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<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L12.1</p>	<p>Paper Number: 1009</p>
	<p>Title: VALIDATION OF COASTAL WAVE AND WIND MEASUREMENTS FROM SARAL/ALTIKA USING BUOYS IN TAIWAN STRAIT, CHINA</p>	
	<p>Topic: Oceans: Ocean Altimetry</p>	
	<p>Session: TH3.L12: Ocean Altimetry</p>	
	<p>Time: Thursday, July 14, 13:30 - 15:10</p>	
	<p>Authors: He Wang, Chaoying Shi, Wanlin Zhai, Jianhua Zhu, Chuntao Chen</p>	

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P13.68</p>	<p>Paper Number: 1011</p>
	<p>Title: RADAR REMOTE SENSING FOR LOW-COST, CONDITION MONITORING OF WIND TURBINES</p>	
	<p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p>	
	<p>Session: TUP.P13: Data Fusion Techniques: Active / Passive Sensor Fusion</p>	

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Time: Tuesday, July 12, 17:20 - 19:00
Authors: TJ Jiang, John Vesecky

View ADD <input type="checkbox"/>	Paper Code: MOP.P3.13	Paper Number: 1013
	Title: SUB-PIXEL MAPPING FOR HYPERSPECTRAL IMAGERY USING SUPER-RESOLUTION THEN SPECTRAL UNMIXING	
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering	
	Session: MOP.P3: Classification of Hyperspectral Image I	
	Time: Monday, July 11, 17:20 - 19:00	
	Authors: Ligu Wang, Peng Wang	

View ADD <input type="checkbox"/>	Paper Code: MOP.P18.103	Paper Number: 1014
	Title: HYPERSPECTRAL FACE RECOGNITION WITH MINIMUM NOISE FRACTION, LOG-POLAR FOURIER FEATURES AND COLLABORATIVE REPRESENTATION-BASED CLASSIFIER	
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition	
	Session: MOP.P18: Land Targets	
	Time: Monday, July 11, 17:20 - 19:00	
	Authors: Guangyi Chen, Wenfang Xie, Shaoping Wang, Haokuo Liu	

View ADD <input type="checkbox"/>	Paper Code: TU1.L7.1	Paper Number: 1017
	Title: TEXTURE RETRIEVAL FROM VERY HIGH RESOLUTION REMOTE SENSING IMAGES USING LOCAL EXTREMA-BASED DESCRIPTORS	
	Topic: Student Paper Competition:	
	Session: TU1.L7: Student Paper Contest Finalists I	
	Time: Tuesday, July 12, 08:20 - 10:00	



Authors: Minh-Tan Pham, Grégoire Mercier, Olivier Regniers, Lionel Bombrun, Julien Michel

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P43.237</p>	<p>Paper Number: 1018</p>
	<p>Title: MICRO-UAV BASED REMOTE SENSING METHOD FOR MONITORING LANDSLIDES IN THREE GORGES RESERVOIR, CHINA</p>	
	<p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p>	
	<p>Session: WEP.P43: Subsidence and Landslip</p>	
	<p>Time: Wednesday, July 13, 17:20 - 19:00</p>	
	<p>Authors: Haiyu Lin, Haifeng Huang, Yiming Lv, Xiaofei Du, Wu Yi</p>	

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P20.105</p>	<p>Paper Number: 1019</p>
	<p>Title: EFFECTS OF CURRENT ON ELECTROMAGNETIC SCATTERING SIGNAL FROM ONE DIMENSIONAL SEA SURFACE</p>	
	<p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling</p>	
	<p>Session: TUP.P20: Electromagnetic Theory: Sea, Soil, and Planets</p>	
	<p>Time: Tuesday, July 12, 17:20 - 19:00</p>	
	<p>Authors: Xie Tao, Li Zhao, Yijun He, He Fang</p>	

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P41.235</p>	<p>Paper Number: 1025</p>
	<p>Title: MODELING IMPACT OF URBANIZATION IN US CITIES USING SIMPLE BIOSPHERE MODEL SIB2</p>	
	<p>Topic: Land Applications: Urban and Built Environment</p>	
	<p>Session: THP.P41: Urban Applications II</p>	

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Ping Zhang, Lahouari Bounoua, Kurtis Thome, Robert Wolfe
View ADD <input type="checkbox"/>	Paper Code: FR4.L7.4 Paper Number: 1028
	Title: BUILDING DAMAGE INFORMATION INVESTIGATION AFTER EARTHQUAKE USING SINGLE POST-EVENT POLSAR IMAGE
	Topic: Land Applications: Urban and Built Environment
	Session: FR4.L7: SAR Urban Remote Sensing
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Wei Zhai, Huanfeng Shen, Chunlin Huang, Wansheng Pei
View ADD <input type="checkbox"/>	Paper Code: TH3.L2.5 Paper Number: 1031
	Title: EXTINCTION PROFILES: A NOVEL APPROACH FOR THE ANALYSIS OF REMOTE SENSING DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH3.L2: Image Analysis and Classification
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Pedram Ghamisi, Roberto Souza, Leticia Rittner, Jón Atli Benediktsson, Roberto Lotufo, Xiao Xiang Zhu
View ADD <input type="checkbox"/>	Paper Code: TU1.L6.1 Paper Number: 1033
	Title: Remote Sensors for and Sensing of Urban Areas: Current State and Next Decade
	Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas
	Session: TU1.L6: Remote Sensors and Sensing of Urban Areas I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Qihao Weng
View ADD <input type="checkbox"/>	Paper Code: MOP.P6.36 Paper Number: 1036
	Title: STATUS OF PHASED ARRAY WEATHER RADAR POLARIMETRY: RESEARCH AND DEVELOPMENT
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P6: Clouds and Precipitation: Ground-based Sensing
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Guifu Zhang
View ADD <input type="checkbox"/>	Paper Code: TUP.P24.127 Paper Number: 1037
	Title: SPARSE REPRESENTATION BASED LOSSY HYPERSPECTRAL DATA COMPRESSION

Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
Session: TUP.P24: Hyperspectral Imagery Band Selection Dimensionality Reduction
Time: Tuesday, July 12, 17:20 - 19:00
Authors: Hairong Wang, Turgay Celik

View ADD <input type="checkbox"/>	Paper Code: THP.P35.195 Paper Number: 1039
	Title: REDICTION OF FAULT GEOMETRIC CONFIGURATION RELATED MYSTERIES THROUGH SEISMIC ATTRIBUTE ANALYSIS OF ZAMZAMA GAS FIELD OF SOUTHERN INDUS BASIN, PAKISTAN
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar
	Session: THP.P35: Subsurface Sensing
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Shabeer Ahmed, Shazia Asim, Fareed Khan, Sarfraz Hussain Solangi, Adeel Nazeer

View ADD <input type="checkbox"/>	Paper Code: TUP.P21.111 Paper Number: 1042
	Title: SEISMIC STRATIGRAPHY OF EOCENE-OLIGOCENE CARBONATE-SILICICLASTICS SEQUENCES IN THE NORTH EASTERN PART OF INDUS OFFSHORE AND NEAR BY ONSHORE, PAKISTAN.
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P21: Feature Extraction and Reduction VI
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Shabeer Ahmed, Mazhar Ali Khaki, Sarfraz Hussain Solangi, Nadeem Ahmad

View ADD <input type="checkbox"/>	Paper Code: MOP.P29.182 Paper Number: 1044
	Title: Analysis of Super-resolution Radar Imaging Based on Sparse Regularization
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P29: SAR Imaging Techniques III
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Xiaoxiang Zhu, Guanghu Jin, Feng He, Zhen Dong, Guozhong Chen, Di Zhao

View	Paper Code: WE1.L9.3 Paper Number: 1045
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ADD <input type="checkbox"/>	Title: AIRBORNE LIDAR ESTIMATES OF PHOTOSYNTHESIS PROFILES
	Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies
	Session: WE1.L9: Advances in Bathymetric and Oceanographic Lidar Studies I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: James Churnside
View ADD <input type="checkbox"/>	Paper Code: THP.P13.64 Paper Number: 1051
	Title: FOLIAGE-PENETRATION HUMAN TRACKING BY MULTISTATIC RADAR
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P13: Ground Based Radar and Optical Systems
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jun Zhang, Tian Jin, Yuan He, Lei Qiu, Zhimin Zhou
View ADD <input type="checkbox"/>	Paper Code: WE4.L11.2 Paper Number: 1054
	Title: THE HAVEMANN-TAYLOR FAST RADIATIVE TRANSFER CODE: A LINE-BY-LINE SENSOR INDEPENDENT RADIATIVE TRANSFER CODE.
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WE4.L11: Atmospheric Sounding Algorithms
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Jean-Claude Thelen, Stephan Havemann
View ADD <input type="checkbox"/>	Paper Code: TUP.P34.182 Paper Number: 1055
	Title: SENSITIVITY ANALYSIS FOR SOIL MOISTURE RETRIEVAL BY USING ZEROth ORDER RADIATIVE MODEL (ZRM) AT 1.4-19GHZ
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P34: Passive Microwave Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Weiguo Zhang, Xiaolong Dong, Hao Liu, Zhenzhan Wang, Di Zhu, Jiancheng Shi
View ADD <input type="checkbox"/>	Paper Code: TUP.P34.181 Paper Number: 1056
	Title: ERROR ESTIMATES AND ANALYSIS FOR SOIL MOISTURE RETRIEVAL BY USING MULTIPLE MICORWAVE SENSORS SIMUTANEOUSLY
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P34: Passive Microwave Soil Moisture II

	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Weiguo Zhang, Xiaolong Dong, Hao Liu, Zhenzhan Wang, Di Zhu, Jiancheng Shi
View ADD <input type="checkbox"/>	Paper Code: TUP.P29.153 Paper Number: 1057
	Title: URBANIZATION OF WEIHAI AREA IN SHANDONG PROVINCE ANALYZED BY ARCHIVED LANDSAT DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P29: Multitemporal Analysis Urban Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Chaonan Ji, Nina Kristine Boesche, Hermann Kaufmann
View ADD <input type="checkbox"/>	Paper Code: WEP.P27.147 Paper Number: 1058
	Title: Characteristics of NRCS on X-band SAR under High Winds together with Rain
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P27: Ocean Surface Winds I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Weizeng Shao, Xiaoming Li
View ADD <input type="checkbox"/>	Paper Code: MOP.P29.183 Paper Number: 1062
	Title: Polarimetric SAR Interferometry for Forest Canopy Analysis by Using the Iterative Method
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P29: SAR Imaging Techniques III
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Ming Guo, Yonghong Zhang, Zhen Li, Hongan Wu, Zhong-Qiong Wang
View ADD <input type="checkbox"/>	Paper Code: THP.P3.11 Paper Number: 1063
	Title: ORGANIZATION AND MANAGEMENT OF SPATIAL BIG DATA BASED ON GLOBAL SUBDIVISION GRID
	Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience
	Session: THP.P3: Big Data in Geoscience
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Li Meng, Chengqi Cheng, Weiming Yang
View	Paper Code: TH1.L9.4 Paper Number: 1064

ADD <input type="checkbox"/>	Title: IDENTIFYING ASIAN DUST WITH DIGITAL IMAGING OF ATMOSPHERIC LASER LIGHT SCATTER
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: TH1.L9: Lidar Technology and Applications
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Nimmi Sharma, John Barnes
View ADD <input type="checkbox"/>	Paper Code: TU2.L5.3 Paper Number: 1065
	Title: TRACING PHOTOSYNTHETIC ELECTRON TRANSPORT RATE BASED ON HYPERSPECTRAL REFLECTANCE
	Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function
	Session: TU2.L5: Remote Sensing of Vegetation Traits and Function II
	Time: Tuesday, July 12, 10:30 - 12:10
Authors: Quan Wang, Rei Sonobe	
View ADD <input type="checkbox"/>	Paper Code: TUP.P36.192 Paper Number: 1066
	Title: OCCLUSION DETECTION FOR URBAN AERIAL TRUE ORTHOIMAGE GENERATION
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P36: Passive Optical Applications & Sensors
	Time: Tuesday, July 12, 17:20 - 19:00
Authors: Guoqing Zhou, Yuefeng Wang	
View ADD <input type="checkbox"/>	Paper Code: TUP.P32.168 Paper Number: 1067
	Title: OPTICAL DESIGN OF HIGH RESOLUTION AND SHARED APERTURE ELECTRO-OPTICAL/INFRARED SENSOR FOR UAV REMOTE SENSING APPLICATIONS
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P32: Optical Sensors and Calibration I
	Time: Tuesday, July 12, 17:20 - 19:00
Authors: Alaaeldin Mahmoud, Xu Dong, Xu Lijun	
View ADD <input type="checkbox"/>	Paper Code: THP.P13.65 Paper Number: 1068
	Title: PERFORMANCE ANALYSIS FOR T-RN MULTISTATIC RADAR SYSTEM
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P13: Ground Based Radar and Optical Systems
	Time: Thursday, July 14, 17:20 - 19:00

	Authors: Jun Zhang, Tian Jin, Lei Qiu, Wenyan Liu, Zhimin Zhou
View ADD <input type="checkbox"/>	Paper Code: WE2.L2.4 Paper Number: 1076
	Title: Superpixel-Level Sparse Representation-based Classification for Hyperspectral Imagery
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: WE2.L2: Pseudo Pixel Based Image Classification
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Sen Jia, Bin Deng, Xiuping Jia
View ADD <input type="checkbox"/>	Paper Code: MOP.P3.14 Paper Number: 1077
	Title: THREE-DIMENSIONAL LOCAL BINARY PATTERNS FOR HYPER SPECTRAL IMAGERY CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P3: Classification of Hyperspectral Image I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Sen Jia, Jie Hu, Lin Deng, Xiuping Jia
View ADD <input type="checkbox"/>	Paper Code: THP.P17.88 Paper Number: 1079
	Title: ROBUST SPARSE UNMIXING OF HYPER SPECTRAL DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P17: Information Extraction
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yong Ma, Chang Li, Jiayi Ma
View ADD <input type="checkbox"/>	Paper Code: TUP.P26.136 Paper Number: 1080
	Title: REGISTRATION OF REMOTE SENSING IMAGES WITH NON-RIGID DISTORTIONS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P26: Image and Feature Match
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jiayi Ma, Jun Chen, Yong Ma
View ADD <input type="checkbox"/>	Paper Code: FR1.L6.1 Paper Number: 1081
	Title: Airborne SAR and optical image fusion based on IHS transform and joint non-negative sparse representation

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR1.L6: Data Fusion Techniques</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Chunhui Liu, Yue Qi, Wenrui Ding</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P37.201Paper Number: 1082</p> <p>Title: TECHDEMOSAT-1 DDM DECONVOLUTION TO RETRIEVE THE NRCS FIELD IN A GRIDDED FORMAT</p> <p>Topic: Mission, Sensors and Calibration: GNSS-R Sensors</p> <p>Session: WEP.P37: Recent Advances in GNSS-R</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Domenico Schiavulli, Frédéric Frappart, Guillaume Ramillien, Jose Darrozes, Ferdinando Nunziata, Maurizio Migliaccio</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L8.1Paper Number: 1085</p> <p>Title: AN INVESTIGATION INTO THE USE OF THE THERMAL WAVELENGTHS OF THE ASTER SATELLITE BORNE SENSOR FOR DRY VEGETATION IDENTIFICATION.</p> <p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TU3.L8: Thermal and Hyperspectral Sensors and Mapping</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Michael Caccetta, Thomas Cudahy, Cindy Ong, Ian Lau</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L6.3Paper Number: 1086</p> <p>Title: EARTH OBSERVATION-BASED SERVICE PLATFORMS - A NEW INSTRUMENT TO PROVIDE GEO-INFORMATION FOR URBAN AND REGIONAL PLANNING</p> <p>Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas</p> <p>Session: TU1.L6: Remote Sensors and Sensing of Urban Areas I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Thomas Esch, Hubert Asamer, Martin Boettcher, Fabrice Brito, Andreas Hirner, Mattia Marconcini, Emmanuel Mathot, Hans Permana, Annkatrin Metz, Tomas Soukup, Filip Stanek, Stepan Kuchar, Julian Zeidler</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L10.4Paper Number: 1087</p> <p>Title: DUAL-POLARIMETRIC AGRICULTURAL CHANGE ANALYSIS OF LONG BASELINE TANDEM-X TIME SERIES DATA</p> <p>Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities</p>

	<p>Session: MO3.L10: TanDEM-X: Mission Status and Science Activities I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Alberto Alonso-Gonzalez, Hannah Joerg, Konstantinos Papathanassiou, Irena Hajsek</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L1.4 Paper Number: 1090</p> <p>Title: PHASE UNWRAPPING STRATEGY AND ASSESSMENT FOR THE HIGH RESOLUTION DEMS OF THE TANDEM-X MISSION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: WE2.L1: SAR Interferometry II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Marie Lachaise, Thomas Fritz</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L6.5 Paper Number: 1091</p> <p>Title: HIERARCHICAL HYBRID DECISION TREE MULTISCALE FUSION FOR URBAN IMAGE CLASSIFICATION</p> <p>Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas</p> <p>Session: TU2.L6: Remote Sensors and Sensing of Urban Areas II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Gianni Cristian Iannelli, Paolo Gamba</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L8.1 Paper Number: 1093</p> <p>Title: METOP-SG SCA WIND SCATTEROMETER DESIGN AND PERFORMANCE</p> <p>Topic: Mission, Sensors and Calibration: Small Satellite Technology</p> <p>Session: FR2.L8: Radar Remote Sensing Missions</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Friedhelm Rostan, Dieter Ulrich, Sebastian Riegger, Allan Østergaard</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L9.1 Paper Number: 1095</p> <p>Title: Snow depth variations estimated from GPS L1C/A Signal to Noise Ratio data</p> <p>Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors</p> <p>Session: TU1.L9: Remote Sensing using GNSS-like Signals and Other Sensors I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Shuanggen Jin, Xiaodong Qian</p>

View ADD <input type="checkbox"/>	Paper Code: TU2.L9.4 Paper Number: 1096
	Title: Pre-seismic ionospheric anomalies from GNSS observations: Statistics analysis and characteristics
	Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors
	Session: TU2.L9: Remote Sensing using GNSS-like Signals and Other Sensors II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Shuanggen Jin
View ADD <input type="checkbox"/>	Paper Code: TU2.L9.2 Paper Number: 1097
	Title: Water discharge in East Africa from GRACE, satellite altimetry and Landsat data
	Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors
	Session: TU2.L9: Remote Sensing using GNSS-like Signals and Other Sensors II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Shuanggen Jin, Ayman Hassan
View ADD <input type="checkbox"/>	Paper Code: THP.P16.87 Paper Number: 1098
	Title: Uncertainty of GRACE-estimated land water and glaciers contributions to sea level change during 2003-2012
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: THP.P16: Ice Sheets and Glaciers II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Shuanggen Jin, Guiping Feng
View ADD <input type="checkbox"/>	Paper Code: THP.P36.199 Paper Number: 1101
	Title: OPTIMAL RADAR WAVEFORM DESIGN FOR MOVING TARGET
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P36: Target Detection from SAR
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Bingqi Zhu, Hui Sheng, Yesheng Gao, Kaizhi Wang, Xingzhao Liu
View ADD <input type="checkbox"/>	Paper Code: TH1.L6.1 Paper Number: 1102
	Title: EVALUATION OF THE TANDEM-X INTERMEDIATE DEM FOR TERRAIN ILLUMINATION CORRECTION IN LANDSAT DATA
	Topic: Land Applications: Topography, Geology and Geomorphology

	<p>Session: TH1.L6: Digital Terrain Models</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Fuqin Li, David L.B. Jupp, Medhavy Thankappan, Lan-Wei Wang, Adam Lewis, Alex Held</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P36.198 Paper Number: 1105</p> <p>Title: Waveform Design Based Multi-Target Hypothesis Testing Under Unknown Clutter Parameters</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P36: Target Detection from SAR</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Bingqi Zhu, Yesheng Gao, Hui Sheng, Kaizhi Wang, Xingzhao Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P41.225 Paper Number: 1106</p> <p>Title: INTERCOMPARISON OF SOIL MOISTURE RETRIEVED FROM GNSS-R AND PASSIVE L-BAND RADIOMETRY AT THE VALENCIA ANCHOR STATION</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P41: Soil Properties II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Cong Yin, Ernesto Lopez-Baeza, Manuel Martín-Neira, Roberto Fernández Morán, Niobe Peinado-Galán, Enrique Navarro, Alejandro Egido, Antonio Mollfulleda, Weiqiang Li, Yunchang Cao, Bin Zhu, Dongkai Yang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P20.109 Paper Number: 1107</p> <p>Title: RADAR ECHOES SIMULATION AND SHARAD DATA VALIDATION FOR DETECTION OF WATER FLOWING ON MARS SURFACE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: TUP.P20: Electromagnetic Theory: Sea, Soil, and Planets</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Chuan Liu, Ya-Qiu Jin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L10.2 Paper Number: 1108</p> <p>Title: A THREE-COMPONENT DECOMPOSITION ALGORITHM FOR POLARIMETRIC SAR WITH THE HELIX ANGLE COMPENSATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR1.L10: PolSAR and PolInSAR Information Extraction I</p>

	Time: Friday, July 15, 08:20 - 10:00
	Authors: Wentao An, Chunhua Xie, Mingsen Lin
View ADD <input type="checkbox"/>	Paper Code: TUP.P12.61 Paper Number: 1109
	Title: RESEARCH ON YIELDS ESTIMATION AND YIELDS INCREASING POTENTIAL BY IRRIGATION OF SPRING MAIZE IN NORTHEAST CHINA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P12: Data Fusion Applications: Vegetation
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Shanning Bao, Chunxiang Cao, Jianxi Huang, Xiliang Ni, Min Xu
View ADD <input type="checkbox"/>	Paper Code: TH4.L9.4 Paper Number: 1110
	Title: GROUND-BASED GNSS-R SOLUTIONS BY MEANS OF SOFTWARE DEFINED RADIO
	Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)
	Session: TH4.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Thomas Hobiger, Rüdiger Haas, Joakim Strandberg
View ADD <input type="checkbox"/>	Paper Code: TU2.L7.3 Paper Number: 1111
	Title: INVERSE MODELLING OF GNSS MULTIPATH FOR SEA LEVEL MEASUREMENTS - INITIAL RESULTS
	Topic: Student Paper Competition:
	Session: TU2.L7: Student Paper Contest Finalists II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Joakim Strandberg, Thomas Hobiger, Rüdiger Haas
View ADD <input type="checkbox"/>	Paper Code: TU3.L9.1 Paper Number: 1113
	Title: THE MIRAS "ALL-LICEF" CALIBRATION MODE
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU3.L9: Aperture Synthesis Radiometry
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Ignasi Corbella, Verónica González-Gambau, Francesc Torres, Núria Duffo, Israel Durán, Manuel Martín-Neira

View ADD <input type="checkbox"/>	Paper Code: FR4.L4.5 Paper Number: 1115
	Title: MASS BALANCE PROCESSES ON GLACIERS IN THE KHUMBU-HIMAL (NEPAL) BASED ON PLÉIADES TRI-STEREO DATA
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: FR4.L4: Ice Sheets and Glaciers II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Lorenzo Rieg, Christoph Klug, Lindsey Nicholson, Rudolf Sailer, Anna Wirbel
View ADD <input type="checkbox"/>	Paper Code: FR3.L10.3 Paper Number: 1116
	Title: HIGHER ORDER LOG-CUMULANTS FOR TEXTURE ANALYSIS OF POLSAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: FR3.L10: SAR Polarimetry I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Xiping Deng, Carlos López-Martínez
View ADD <input type="checkbox"/>	Paper Code: WE4.L11.4 Paper Number: 1119
	Title: A METHOD FOR CALCULATING GLOBAL DOWNWELLING LONGWAVE RADIATION USING GEOSTATIONARY AND POLAR-ORBITING SATELLITE OBSERVATIONS
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WE4.L11: Atmospheric Sounding Algorithms
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Shanshan Yu, Hailong Zhang, Xiaozhou Xin, Qinhuo Liu
View ADD <input type="checkbox"/>	Paper Code: WEP.P17.97 Paper Number: 1123
	Title: Uncertainties in linking solar-induced chlorophyll fluorescence to plant photosynthetic activities
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: WEP.P17: Forests and Vegetation II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Liangyun Liu, Xinjie Liu, Linlin Guan
View ADD <input type="checkbox"/>	Paper Code: THP.P5.22 Paper Number: 1127
	Title: Use of DInSAR techniques for the assessment of Tide Gauge measurements for long term past sea level evolution estimation reliability.
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry

	<p>Session: THP.P5: Differential SAR Interferometry I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Daniel Raucoules, Cyril Poitevin, Gonéri Le Cozannet, Guy Woppelmann, Marcello De Michele Marcello</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P21.114 Paper Number: 1128</p> <p>Title: A NEW METHOD TO LOACTE OIL SPILL ORGIN WITH MODIFIED LAGRANGIAN MODEL - A CASE STUDY OF PL19-3 OIL SPILL ACCIDENT</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P21: Hazards and Disasters</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Siyu Tian, Xiaoxia Huang, Hongga Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P24.136 Paper Number: 1129</p> <p>Title: HYPERSPECTRAL IMAGE CLASSIFICATION VIA REGION-BASED COMPOSITE KERNELS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P24: Region Based Image Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jianjun Liu, Xiaoqian Shi, Zebin Wu, Liang Xiao, Zhiyong Xiao, Yunhao Yuan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P33.174 Paper Number: 1130</p> <p>Title: HIGH-SPEED SENSOR HEAD WITH WIDE FREQUENCY RANGE USING DEFORMED HELIX FERROELECTRIC LIQUID CRYSTAL</p> <p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TUP.P33: Optical Sensors and Calibration II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Qi Guo, Huijie Zhao, Vladimir Chigrinov, Hoi-Sing Kwok, Zourab Brodzeli</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L5.4 Paper Number: 1132</p> <p>Title: LARGE-AREA VIRTUAL FORESTS FROM TERRESTRIAL LASER SCANNING DATA</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: TU4.L5: Forest Monitoring by Lidar and Multispectral Techniques</p>

	<p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Kim Calders, Andrew Burt, Niall Origo, Mathias Disney, Joanne Nightingale, Pasi Raunonen, Philip Lewis</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L10.3 Paper Number: 1136</p> <p>Title: TIME-SERIES ANALYSIS OF SENTINEL-1 INTERFEROMETRIC WIDE SWATH DATA: TECHNIQUES AND CHALLENGES</p> <p>Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results</p> <p>Session: WE4.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Urs Wegmüller, Charles L. Werner, Andreas Wiesmann, Tazio Strozzi, Penelope Kourkouli, Othmar Frey</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P32.176 Paper Number: 1140</p> <p>Title: Spectra Denoising of Hyperspectral Thermal Infrared Emissivity Product Via Sparse Representation Over Learned Dictionaries</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P32: Spectral Processing and Applications</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Chengyi Li, Shufang Tian</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L1.4 Paper Number: 1141</p> <p>Title: A NOVEL ALGORITHM TO ESTIMATE MOVING TARGET VELOCITY FOR A SPACEBORNE HRWS SAR/GMTI SYSTEM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: WE3.L1: SAR Imaging Techniques I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Taoli Yang, Yong Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P16.87 Paper Number: 1148</p> <p>Title: FUSION AND ASSESSMENT OF HIGH-RESOLUTION WORLDVIEW-3 SATELLITE IMAGERY USING NNDIFFUSE AND BROVEY ALGOTIRHMS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P16: Data Fusion Techniques: Pansharpening and Superresolution</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p>

	Authors: Jinling Zhao, Linsheng Huang, Hao Yang, Dongyan Zhang, Zhaoli Wu, Junjie Guo
View ADD <input type="checkbox"/>	Paper Code: TH4.L7.2 Paper Number: 1149
	Title: PROGRAMS FOR ACCESS TO RADARSAT-2 DATA FOR SCIENCE
	Topic: Data Management and Education: Remote Sensing Data and Policy Decisions
	Session: TH4.L7: Remote Sensing Data and Policy Decisions
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Stephane Chalifoux, Steve Iris
View ADD <input type="checkbox"/>	Paper Code: THP.P23.122 Paper Number: 1152
	Title: A SELF-ADAPTED THRESHOLD-BASED REGION MERGING METHOD FOR REMOTE SENSING IMAGE SEGMENTATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation
	Session: THP.P23: Remote Sensing Image Segmentation I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jian Yang, Yuhong He, John Caspersen
View ADD <input type="checkbox"/>	Paper Code: MOP.P28.180 Paper Number: 1153
	Title: SALIENCY TARGET DETECTION IN POLARIMETRIC SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P28: SAR Imaging Techniques II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Haipeng Wang, Feng Xu
View ADD <input type="checkbox"/>	Paper Code: THP.P23.123 Paper Number: 1154
	Title: SUPERPIXEL SEGMENTATION OF POLARIMETRIC SAR IMAGE USING GENERALIZED MEAN SHIFT
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation
	Session: THP.P23: Remote Sensing Image Segmentation I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Fengkai Lang, Jie Yang, Lixin Wu, Jinyan Xu
View ADD <input type="checkbox"/>	Paper Code: TH1.L1.1 Paper Number: 1155
	Title: A MODIFIED NOTCH FILTER FOR SUPPRESSING RADIO-FREQUENCY-INTERFERENCE IN P-BAND SAR DATA

Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
Session: TH1.L1: SAR Imaging Techniques III
Time: Thursday, July 14, 08:20 - 10:00
Authors: Peng Wu, Lin Yang, Yongsheng Zhang, Zhen Dong, Min Wang, Siyao Du

View ADD <input type="checkbox"/>	Paper Code: MOP.P31.194 Paper Number: 1156
	Title: COMPRESSIVE SENSING SAR IMAGE RECONSTRUCTION BASED ON A PSEUDORANDOM 2-D SUBSAMPLING MEASUREMENT MATRIX
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P31: SAR Imaging Techniques IX
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Tengfei Li, Qingjun Zhang

View ADD <input type="checkbox"/>	Paper Code: MO3.L5.3 Paper Number: 1160
	Title: FOREST REMOTE SENSING ON THE INDIVIDUAL TREE LEVEL BY AIRBORNE MILLIMETERWAVE SAR
	Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring
	Session: MO3.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Michael Schmitt, Muhammad Shahzad, Xiao Xiang Zhu

View ADD <input type="checkbox"/>	Paper Code: MOP.P33.206 Paper Number: 1161
	Title: DRYLAND SUMMER CROP CLASSIFICATION USING MULTI-TEMPORAL RADARSAT-2 IMAGES AND OBJECTS INFORMATION FROM OPTICAL IMAGE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P33: SAR Imaging Techniques VI
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shuang Zhu, Jinshui Zhang, Guanyuan Shuai, Hongli Liu

View ADD <input type="checkbox"/>	Paper Code: FR1.L12.4 Paper Number: 1163
	Title: MAPPING SEAGRASS COVERAGE AND SPATIAL PATTERNS WITH HIGH SPATIAL RESOLUTION IKONOS IMAGERY
	Topic: Oceans: Coastal Zones
	Session: FR1.L12: Coastal Zones

	Time: Friday, July 15, 08:20 - 10:00
	Authors: Ruiliang Pu, Susan Bell
View ADD <input type="checkbox"/>	Paper Code: WEP.P10.53 Paper Number: 1165
	Title: IONOSPHERE CHANGE BEFORE JAPAN 2011 M9.0 EARTHQUAKE
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P10: Earthquake
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Guangmeng Guo
View ADD <input type="checkbox"/>	Paper Code: MOP.P27.169 Paper Number: 1170
	Title: A NOVEL APPROACH FOR HIGHLY SQUINTED BEAM STEERING SAR DATA FOCUSING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P27: SAR Imaging Techniques I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shiyang Tang, Ping Guo, Yu Zhou, Nan Liu, Linrang Zhang, Gaogao Liu, Yan Zhang
View ADD <input type="checkbox"/>	Paper Code: TH4.L1.4 Paper Number: 1171
	Title: ACCURATE RANGE MODEL BASED ON EQUIVALENT MIDPOINT FOR GEOSYNCHRONOUS SAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: TH4.L1: SAR Imaging Techniques VI
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Ping Guo, Shiyang Tang, Nan Liu, Yu Zhou, Linrang Zhang, Gaogao Liu, Yan Zhang
View ADD <input type="checkbox"/>	Paper Code: TU1.L11.1 Paper Number: 1172
	Title: THE MIRS GPM PRECIPITATION RETRIEVAL
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU1.L11: Clouds and Precipitation: TRMM/GPM
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Shuyan Liu, Christopher Grassotti, Quanhua Liu
View	Paper Code: THP.P40.226 Paper Number: 1173

ADD <input type="checkbox"/>	<p>Title: Multi-perspective Terrestrial LiDAR Point Cloud Registration using Planar Primitives</p> <p>Topic: Land Applications: Urban and Built Environment</p> <p>Session: THP.P40: Urban Applications I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Hongping Wang, Xiuguo Liu, Xiaohui Yuan, Dong Liang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P22.120Paper Number: 1175</p> <p>Title: SPATIOTEMPORAL VARIATION IN THE TERRESTRIAL VEGETATION PHENOLOGY IN DANJIANGKOU RESERVOIR FROM 2001 TO 2012</p> <p>Topic: Land Applications: Land Cover Dynamics</p> <p>Session: WEP.P22: Land Cover Dynamics</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Huanhua Peng, Ji Liang, Chaokui Li</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P38.242Paper Number: 1177</p> <p>Title: A COMPLEX TARGET RECONSTRUCTION CHARACTERIZED BY CANONICAL SCATTERING OBJECTS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P38: Urban Targets and Roads</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yongchen Li, Feng Xu, Ya-Qiu Jin</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L1.4Paper Number: 1178</p> <p>Title: 3-D INFORMATION OF A SPACE TARGET RETRIEVED FROM A SEQUENCE OF HIGH-RESOLUTION 2-D ISAR IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH1.L1: SAR Imaging Techniques III</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Feng Wang, Feng Xu, Ya-Qiu Jin</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE2.L1.2Paper Number: 1179</p> <p>Title: AN ANALYSIS OF ERROR IN SURFACE CURRENT MAPPING BY AN ALONG-TRACK INTERFEROMETRIC FMCW SAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: WE2.L1: SAR Interferometry II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p>

	Authors: Huazeng Deng, Gordon Farquharson, Jim Thomson, Saeed Moghimi, Tuba Ozkan-Haller
View ADD <input type="checkbox"/>	Paper Code: THP.P28.149 Paper Number: 1180
	Title: A NONLOCAL INTERFEROMETRIC PHASE FILTERING STRATEGY FOR PRACTICAL INSAR SYSTEM
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P28: SAR Interferometry I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xue Lin, Dongsheng Fang, Fang-Fang Li, Ke Wang
View ADD <input type="checkbox"/>	Paper Code: MOP.P27.171 Paper Number: 1181
	Title: SPACEBORNE SAR AZIMUTH AMBIGUITIES REMOVAL BASED ON APODIZATION ALGORITHM
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P27: SAR Imaging Techniques I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Min Liu, Zhou Li, Bo Liu
View ADD <input type="checkbox"/>	Paper Code: MOP.P27.170 Paper Number: 1183
	Title: A NOVEL FAST BACK PROJECTION ALGORITHM BASED ON SUBAPERTURE FREQUENCY SPECTRUM FUSION IN CARTESIAN COORDINATES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P27: SAR Imaging Techniques I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Min Liu, Zhou Li
View ADD <input type="checkbox"/>	Paper Code: WE2.L10.2 Paper Number: 1184
	Title: ENVIRONMENTAL MONITORING BY ALOS-2 QUAD. POL. OBSERVATION
	Topic: Invited Sessions: ALOS-2
	Session: WE2.L10: ALOS-2 II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Yoshio Yamaguchi, Gulab Singh, Yi Cui, Hiroyoshi Yamada, Ryoichi Sato
View	Paper Code: TH1.L10.1 Paper Number: 1185

ADD <input type="checkbox"/>	<p>Title: SCATTERING POWER DECOMPOSITION AND ITS APPLICATIONS</p> <p>Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction</p> <p>Session: TH1.L10: Advanced Methods for Polarimetric SAR Information Extraction I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Yoshio Yamaguchi, Yi Cui, Gulab Singh, Avik Bhattacharya</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR4.L9.1 Paper Number: 1188</p> <p>Title: FULL POLARIMETRIC GPR DATA DECOMPOSITION AND IMAGING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar</p> <p>Session: FR4.L9: Subsurface Sensing</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Xuan Feng, Enhedelilai Nilot, Minghe Zhang, Shuaishuai Liang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE4.L1.2 Paper Number: 1189</p> <p>Title: ISAR MANEUVERING TARGETS IMAGING AND MOTION ESTIMATION FROM PARAMETRIC SPARSE BAYESIAN LEARNING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: WE4.L1: SAR Imaging Techniques II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Gang Xu, Lei Yang, Lifan Zhao, Guoan Bi</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P2.8 Paper Number: 1190</p> <p>Title: The potential of airborne hyperspectral images to detect leaf nitrogen content in potato fields</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P2: Agricultural Parameters</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Feng Li, Victor Alchanatis</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P9.49 Paper Number: 1191</p> <p>Title: DAILY RAINFALL MODEL TO MERGE TRMM AND GROUND BASED OBSERVATIONS FOR RAINFALL ESTIMATIONS</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P9: Clouds and Precipitation: TRMM/GPM</p> <p>Time: Monday, July 11, 17:20 - 19:00</p>

	Authors: Lei Zhou, Yuanhang Chen, Nian Liang, Yong Ni
View ADD <input type="checkbox"/>	Paper Code: MO3.L2.5 Paper Number: 1193
	Title: DIMENSIONALITY REDUCTION OF HYPERSPECTRAL IMAGES WITH LOCAL GEOMETRIC STRUCTURE FISHER ANALYSIS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: MO3.L2: Hyperspectral Band Selection and Dimensionality Reduction
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Fulin Luo, Hong Huang, Yaqiong Yang, Zhiyong Lv
View ADD <input type="checkbox"/>	Paper Code: TUP.P13.67 Paper Number: 1195
	Title: MULTI-SENSOR DATA FUSION FOR IDENTIFYING MALARIA ENVIRONMENTAL FEATURES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P13: Data Fusion Techniques: Active / Passive Sensor Fusion
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zhichao Li, Thibault Catry, Nadine Dessay, Emmanuel Roux, Etienne Mahé, Frédérique Seyler
View ADD <input type="checkbox"/>	Paper Code: FR2.L12.5 Paper Number: 1197
	Title: NUMERICAL SIMULATION OF AMSR2 HIGH FREQUENCY CHANNEL MEASUREMENTS OVER SEA ICE AND SEA WATER SURFACES
	Topic: Cryosphere: Sea Ice
	Session: FR2.L12: Sea Ice
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Elizaveta Zabolotskikh
View ADD <input type="checkbox"/>	Paper Code: MOP.P3.15 Paper Number: 1199
	Title: ACTIVE LEARNING BASED AUTOENCODER FOR HYPERSPECTRAL IMAGERY CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P3: Classification of Hyperspectral Image I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yibao Sun, Jun Li, Wei Wang, Antonio Plaza, Zeqiang Chen

View ADD <input type="checkbox"/>	Paper Code: TUP.P11.58 Paper Number: 1201
	Title: OBSERVATION OF TIDE FROM X-BAND MARINE RADAR IMAGE SEQUENCES
	Topic: Oceans: Coastal Zones
	Session: TUP.P11: Coastal Zones II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zhongbiao Chen, Yijun He, Jiayi Pan, Biao Zhang, Xiaoqing Chu

View ADD <input type="checkbox"/>	Paper Code: WE3.L4.3 Paper Number: 1203
	Title: SOIL MOISTURE AND TEMPERATURE MEASURING NETWORKS IN THE TIBETAN PLATEAU AND THEIR APPLICATIONS IN VALIDATION OF MICROWAVE PRODUCTS
	Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks
	Session: WE3.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Kun Yang, Jun Qin, Yingying Chen, Menglei Han, Long Zhao

View ADD <input type="checkbox"/>	Paper Code: THP.P37.204 Paper Number: 1204
	Title: MULTI-SIGNAL COMPRESSED SENSING FOR TOMOGRAPHIC INVERSION OF BUILDING STRUCTURE WITH PRIOR INFORMATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Tomography and 3D mapping
	Session: THP.P37: Tomography and 3D Mapping I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xiao Wang, Feng Xu, Ya-Qiu Jin

View ADD <input type="checkbox"/>	Paper Code: TH2.L6.2 Paper Number: 1205
	Title: PALSAR-2 remote sensing data for detection of hazards zones of geological origin in Kelantan river basin, Peninsular Malaysia
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: TH2.L6: Surface Hazards and Anomalies
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Amin Beiranvand Pour, Mazlan Hashim

View ADD <input type="checkbox"/>	Paper Code: WE2.L10.3 Paper Number: 1206
	Title: SENSITIVITY ANALYSIS OF L-BAND SAR TO INUNDATED AREA
	Topic: Invited Sessions: ALOS-2
	Session: WE2.L10: ALOS-2 II

	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Motofumi Aarii, Takeshi Nishimura
View ADD <input type="checkbox"/>	Paper Code: TH2.L10.4 Paper Number: 1207
	Title: THEORETICAL CHARACTERIZATION OF MULTI INCIDENCE ANGLE AND FULLY POLARIMETRIC SAR DATA FROM RICE PADDIES
	Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction
	Session: TH2.L10: Advanced Methods for Polarimetric SAR Information Extraction II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Motofumi Aarii, Takeshi Nishimura, Tomomi Komatsu, Hiroyoshi Yamada, Tatsuharu Kobayashi, Shoichiro Kojima, Toshihiko Umehara
View ADD <input type="checkbox"/>	Paper Code: TH4.L1.2 Paper Number: 1208
	Title: ANALYSIS OF EFFECTS OF TIME VARIANT TROPOSPHERE ON GEOSYNCHRONOUS SAR IMAGING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: TH4.L1: SAR Imaging Techniques VI
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Ye Tian, Cheng Hu, Xichao Dong, Tao Zeng
View ADD <input type="checkbox"/>	Paper Code: THP.P36.200 Paper Number: 1209
	Title: MULTI-APERTURE ANOMALY DETECTOR FOR CLUTTER BACKGROUND
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P36: Target Detection from SAR
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Min Li, Xinnan Fan, Xuewu Zhang, Puhuang Li
View ADD <input type="checkbox"/>	Paper Code: THP.P1.1 Paper Number: 1210
	Title: A NOVEL HYPERSPECTRAL ANOMALY DETECTOR BASED ON LOW-RANK REPRESENTATION AND LEARNED DICTIONARY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P1: Hyperspectral Target Detection
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yubin Niu, Bin Wang

View ADD <input type="checkbox"/>	Paper Code: THP.P12.60 Paper Number: 1211
	Title: SNOW DEPTH VARIATIONS ESTIMATED FROM THREE-FREQUENCY GPS INTERFEROMETRIC REFLECTOMETRY
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P12: Ground Based GNSS and Optical Sensing
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xiaodong Qian, Shuanggen Jin, Xuerui Wu
View ADD <input type="checkbox"/>	Paper Code: TU1.L3.5 Paper Number: 1214
	Title: OBJECT DETECTION OF POLARIZED HYPERSPECTRAL IMAGES BASED ON FOURTH-ORDER TENSOR MATCHED FILTERING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU1.L3: Object Detection
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Jian Tan, Junping Zhang, Xiaochen Lu
View ADD <input type="checkbox"/>	Paper Code: THP.P10.55 Paper Number: 1217
	Title: Remote sensing analysis of geological structures in Peninsular Malaysia using PALSAR data
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P10: Geological Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Amin Beiranvand Pour, Mazlan Hashim
View ADD <input type="checkbox"/>	Paper Code: WEP.P26.146 Paper Number: 1218
	Title: WATER FLOWS, NUTRIENT EXCHANGE AND EXCURSIONS OF FRONTS IN THE STRAITS BETWEEN THE BALTIC SUB-BASINS
	Topic: Oceans: Ocean Biology (Color) and Water Quality
	Session: WEP.P26: Ocean Biology and Water Quality
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Ülo Suursaar, Tiit Kullas
View ADD <input type="checkbox"/>	Paper Code: MOP.P36.226 Paper Number: 1219
	Title: A new method for attitude refinement of earth observation satellite with asynchronous images
	Topic: Mission, Sensors and Calibration: Satellite Missions
	Session: MOP.P36: Satellite Missions
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Tao Sun, Li Huang, Hui Long, Bao-Cheng Liu

View ADD <input type="checkbox"/>	Paper Code: THP.P18.98 Paper Number: 1222
	Title: WATER AREA ANNUAL VARIATIONS OF NINE PLATEAU LAKES IN YUNNAN PROVINCE, CHINA: A BRIEF SPATIOTEMPORAL ANALYSIS WITH LANDSAT TIME SERIES
	Topic: Land Applications: Inland Waters
	Session: THP.P18: Inland Waters
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Wu Penghai, Cai Ning, Chen Qi, Jiang Changsheng, Wu Yanlan, Li Junli
View ADD <input type="checkbox"/>	Paper Code: TU2.L3.1 Paper Number: 1223
	Title: High-rise building detection in dense urban area based on high resolution SAR Images
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: TU2.L3: Detection with High Resolution Images
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Kan Tang, Bo Liu, Bo Zou
View ADD <input type="checkbox"/>	Paper Code: TH1.L2.2 Paper Number: 1224
	Title: FULLY CONVOLUTIONAL NEURAL NETWORKS FOR REMOTE SENSING IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH1.L2: Neural Network Based Classification
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Emmanuel Maggiori, Yuliya Tarabalka, Guillaume Charpiat, Pierre Alliez
View ADD <input type="checkbox"/>	Paper Code: WEP.P5.25 Paper Number: 1225
	Title: AN IMPROVED METHOD FOR MERSI WATER VAPOR RETRIEVAL USING GPS CALIBRATION
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WEP.P5: Atmospheric Sounding Algorithms
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zhizhao Liu, Xin Li
View ADD <input type="checkbox"/>	Paper Code: TUP.P32.169 Paper Number: 1228
	Title: EVALUATION OF HIMAWARI-8 AHI GEOSPATIAL CALIBRATION ACCURACY USING SNPP VIIRS SNO DATA

	<p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TUP.P32: Optical Sensors and Calibration I</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Fangfang Yu, Xiangqian Wu, Xi Shao, Vladimir Kondratovich</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L11.3 Paper Number: 1230</p> <p>Title: CHARACTERIZE THE UNCERTAINTIES IN THE USE OF RADIOSONDE DATA FOR SATELLITE ATMOSPHERIC SOUNDING VALIDATION</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WE4.L11: Atmospheric Sounding Algorithms</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Bomin Sun, Anthony Reale, Frank Tilley, Michael Pettey</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P18.93 Paper Number: 1232</p> <p>Title: GAUSSIAN BEAM SUMMATION METHOD VS. GAUSSIAN BEAM LAUNCHING IN HIGH-FREQUENCY RCS OF COMPLEX RADAR TARGETS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: TUP.P18: Electromagnetic Theory III</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Papa Ousmane Leye, Ali Khenchaf, Philippe Pouliguen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P24.137 Paper Number: 1233</p> <p>Title: VIBRATION ESTIMATION OF SYNTHETIC APERTURE LIDAR BASED ON DIVISION OF INNER VIEW FIELD BY TWO DETECTORS ALONG TRACK</p> <p>Topic: Mission, Sensors and Calibration: Lidar Sensors</p> <p>Session: WEP.P24: Lidar Systems and Techniques</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xuan Hu, Daojing Li, Jianbo Du, Meng Ma, Jianwei Zhou</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P32.180 Paper Number: 1235</p> <p>Title: FUSION DETECTION OF SHIP TARGETS IN LOW RESOLUTION MULTI-SPECTRAL IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P32: Spectral Processing and Applications</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p>

	Authors: Yong Liu, Libo Yao, Wei Xiong, Zhimin Zhou
View ADD <input type="checkbox"/>	Paper Code: TUP.P12.63 Paper Number: 1237
	Title: QUANTIFYING UNCERTAINTIES IN EVAPOTRANSPIRATION ASSIMILATION USING GENERALIZED GAUSSIAN DISTRIBUTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P12: Data Fusion Applications: Vegetation
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Shaohui Chen, Shen Zhao, Hongbo Su, Jing Tian
View ADD <input type="checkbox"/>	Paper Code: TH2.L2.5 Paper Number: 1240
	Title: UNSUPERVISED POLSAR IMAGE CLASSIFICATION USING BOUNDARY-PRESERVING REGION DIVISION AND REGION-BASED AFFINITY PROPAGATION CLUSTERING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TH2.L2: Region Based Image Classification
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Biao Hou, Yuheng Jiang, Bo Ren, Zaidao Wen, Shuang Wang, Licheng Jiao
View ADD <input type="checkbox"/>	Paper Code: MOP.P31.195 Paper Number: 1241
	Title: SPACE-BORNE SAR IMAGING DEGRADATION DUE TO THE IONOSPHERIC HIGH ORDER DISPERSIVE DELAY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P31: SAR Imaging Techniques IX
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Cheng Wang, Liang Chen, Lu Liu
View ADD <input type="checkbox"/>	Paper Code: THP.P26.141 Paper Number: 1242
	Title: Monitoring available phosphorus content in soil of cultivated land based on hyperspectral technology
	Topic: Land Applications: Agriculture
	Session: THP.P26: Remote Sensing of Crop Diseases and Nutrients
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xiaohe Gu, Lei Wang, Lizhi Wang, Youbo Fan, Hao Yang, Huiling Long
View	Paper Code: FR1.L3.1 Paper Number: 1246

ADD <input type="checkbox"/>	<p>Title: KERNEL BASED SPARSE NMF ALGORITHM FOR HYPERSPSPECTRAL UNMIXING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR1.L3: Spectral Unimixing Techniques I</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Wenhong Wang, Yuntao Qian</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P28.152Paper Number: 1248</p> <p>Title: SEA SURFACE WIND SPEED INVERSION USING LOW INCIDENT NRCS</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: WEP.P28: Ocean Surface Winds II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Qingliu Bao, Youguang Zhang, Wentao An, Limin Cui, Shuyan Lang, Mingsen Lin, Peng Gong</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P14.73Paper Number: 1249</p> <p>Title: PARALLEL ADAPTIVE SPARSITY-CONSTRAINED NMF ALGORITHM FOR HYPERSPSPECTRAL UNMIXING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P14: Hyperspectral Data Processing and Analysis</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Wenhong Wang, Yuntao Qian</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO4.L4.3Paper Number: 1250</p> <p>Title: SMAP LEVEL 4 SURFACE AND ROOT ZONE SOIL MOISTURE</p> <p>Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission</p> <p>Session: MO4.L4: Observations by the NASA Soil Moisture Active Passive Mission II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Rolf Reichle, Gabrielle De Lannoy, Qing Liu, Joseph Ardizzone, John Kimball, Randal Koster</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE3.L7.3Paper Number: 1252</p> <p>Title: MODELLING MICROWAVE BACKSCATTERING FROM PARABOLIC RICE LEAF</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling</p>

	Session: WE3.L7: Electromagnetic Theory
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Long Liu, Yun Shao, Kun Li, Zhi Yang
View ADD <input type="checkbox"/>	Paper Code: TH4.L6.3 Paper Number: 1254
	Title: MAPPING LARGE-SCALE MICROSEEPAGE SIGNALS FOR SUPPORTING OIL AND GAS EXPLORATION IN NEW VENTURES
	Topic: Invited Sessions: Minerals and Hydrocarbons
	Session: TH4.L6: Minerals and Hydrocarbons II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Marco Gianinetto, Federico Frassy, Andrea Marchesi, Pieralberto Maianti, Riccardo De Paulis, Paolo Biffi, Francesco Rota Nodari
View ADD <input type="checkbox"/>	Paper Code: TUP.P39.215 Paper Number: 1257
	Title: SATELLITE SOIL MOISTURE ASSIMILATION: PRELIMINARY ASSESSMENT OF THE SENTINEL 1 POTENTIALITIES
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P39: SMAP Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Luca Cenci, Luca Pulvirenti, Giorgio Boni, Marco Chini, Patrick Matgen, Simone Gabellani, Lorenzo Campo, Francesco Silvestro, Cosimo Versace, Paolo Campanella, Laura Candela
View ADD <input type="checkbox"/>	Paper Code: MOP.P37.234 Paper Number: 1260
	Title: MOVING SHIP DETECTION BASED ON VISUAL SALIENCY FOR VIDEO SATELLITE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P37: Ship Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Haichao Li, Yiyun Man
View ADD <input type="checkbox"/>	Paper Code: THP.P31.175 Paper Number: 1261
	Title: CIRCULAR-SHIFT TRANSMISSION MIMO GMTI RADAR
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P31: SAR Processing and Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Fuyou Li, Feng He, Zhen Dong, Manqing Wu

View ADD <input type="checkbox"/>	Paper Code: MOP.P39.248 Paper Number: 1262
	Title: WIND FARM EFFECT ON GRASSLAND VEGETATION DUE TO ITS INFLUENCE ON THE RANGE, INTENSITY AND VARIATION OF WIND DIRECTION
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P39: Vegetation Monitoring by MODIS
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Guoqing Li, Chunhua Zhang, Li Zhang, Meng Zhang
View ADD <input type="checkbox"/>	Paper Code: WEP.P35.190 Paper Number: 1263
	Title: REFLECTIVITY CALIBRATION FOR X-BAND SOLID-STATE RADAR WITH METAL SPHERE
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: WEP.P35: Radar Remote Sensing Missions I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zhaoming Li, Hongbin Chen, Shu Duan, Yongheng Bi, Hengchi Lei, Yue Lai, Haijun Wu, Dongyang Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P30.162 Paper Number: 1264
	Title: A GLOBAL DISTRIBUTION OF CROSSING SWELL FROM ENVISAT ASAR WAVE MODE DATA BASED ON SWELL PROPAGATION
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P30: Ocean Waves and Currents
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: He Wang, Alexis Mouche, Romain Husson, Bertrand Chapron, Haoyu Jiang
View ADD <input type="checkbox"/>	Paper Code: FR4.L12.5 Paper Number: 1267
	Title: ACTIVE LEARNING FOR IDENTIFYING MARINE OIL SPILLS USING 10-YEAR RADARSAT DATA
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR4.L12: Oil Spill
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Yongfeng Cao, Linlin Xu, David Clausi
View ADD <input type="checkbox"/>	Paper Code: THP.P43.248 Paper Number: 1270
	Title: DYNAMIC ANALYSIS OF WATER LEVEL AND AREA OF TYPICAL LAKES IN QINGHAI-TIBET PLATEAU

	Topic: Land Applications: Wetlands
	Session: THP.P43: Wetland and Inland Water
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Hui Yue, Ying Liu, Haoren Wang, Wei Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P3.16 Paper Number: 1271
	Title: SPECTRAL-SPATIAL CLASSIFICATION OF HYPERSPECTRAL IMAGES WITH GAUSSIAN PROCESS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P3: Classification of Hyperspectral Image I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shujin Sun, Ping Zhong, Huaitie Xiao, Yuting Chen, Zhiqiang Gong, Runsheng Wang
View ADD <input type="checkbox"/>	Paper Code: FR1.L10.4 Paper Number: 1273
	Title: POLARIMETRIC COHERENCE PATTERN: A VISUALIZATION TOOL FOR POLSAR DATA INVESTIGATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: FR1.L10: PolSAR and PolInSAR Information Extraction I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Si-Wei Chen, Xue-Song Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P39.212 Paper Number: 1274
	Title: VALIDATION OF SMAP SOIL MOISTURE ANALYSIS PRODUCT USING IN-SITU MEASUREMENTS OVER THE LITTLE WASHITA WATERSHED
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P39: SMAP Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Haiyun Bi, Jiangyuan Zeng, Wenjun Zheng, Xiwei Fan
View ADD <input type="checkbox"/>	Paper Code: MOP.P30.189 Paper Number: 1276
	Title: CARTESIAN FACTORIZED BACKPROJECTION ALGORITHM FOR SYNTHETIC APERTURE RADAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P30: SAR Imaging Techniques IV
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Qi Dong, Zemin Yang, Guangcai Sun, Mengdao Xing

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L1.1 Paper Number: 1277</p> <p>Title: SUBPIXEL GEOCODING OF COSMO-SKYMED AND SENTINEL-1 TIME SERIES IMAGED WITH DIFFERENT GEOMETRY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH2.L1: SAR Imaging Techniques IV</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Marco Gianinetto, Vito Monno, Luigi Barazzetti, Luigi Dini, Maria Girolamo Daraio, Francesco Rota Nodari</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P37.198 Paper Number: 1278</p> <p>Title: ESTIMATING SOIL MOISTURE IN THE AGRICULTURAL AREAS USING RADARSAT-2 QUAD-POLARIZATION SAR DATA</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P37: Radar Soil Moisture II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Jianwei Ma, Shifeng Huang, Jiren Li, Xiaotao Li, Xiaoning Song, Pei Leng, Yayong Sun, Tianjie Lei</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P7.35 Paper Number: 1281</p> <p>Title: SPATIAL REGULARIZATION OF PIXEL-BASED CLASSIFICATION MAPS BY A TWO-STEP MRF METHOD</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P7: Classification and Data Mining</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Leiguang Wang, Qinling Dai, Xin Huang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P18.98 Paper Number: 1282</p> <p>Title: DIGITAL TERRAIN MODEL EXTRACTION IN SUAS CLEARANCE SURVEY USING LIDAR DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P18: Land Targets</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Dengchao Feng, Xiaohui Yuan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P27.149 Paper Number: 1284</p> <p>Title: WIND AND WAVE UNDER STRONG TROPICAL CYCLONES</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: WEP.P27: Ocean Surface Winds I</p>

	<p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xiaobin Yin, Ruanyu Zhang, Xingou Xu, Yingzhu Huang, Zhenzhan Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L12.1 Paper Number: 1288</p> <p>Title: PRELIMINARY PERFORMANCE SIMULATION OF MICROWAVE IMAGER COMBINED ACTIVE/PASSIVE – A NEW INSTRUMENT FOR CHINESE SALINITY MISSION</p> <p>Topic: Oceans: Ocean Temperature and Salinity</p> <p>Session: WE2.L12: Ocean Temperature and Salinity</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Xiaobin Yin, Lanjie Zhang, Hao Liu, Risheng Yun, Lin Wu, Xingou Xu, Di Zhu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P3.13 Paper Number: 1291</p> <p>Title: RESEARCH OF OPTIMAL PARAMETERS FOR PARCEL-BASED CHANGE DETECTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P3: Analysis of Multitemporal Optical Images</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Bin Wu, Yuquan Liu, Jun Zhu, Chunling Lu, Huan Yin, Dongxu He, Anzhi Yue</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L4.1 Paper Number: 1292</p> <p>Title: SCATTERING AND EMISSION MODELS FOR MICROWAVE REMOTE SENSING OF SNOW USING NUMERICAL SOLUTIONS OF MAXWELL EQUATIONS</p> <p>Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow</p> <p>Session: FR1.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow I</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Leung Tsang, Shurun Tan, Xiaolan Xu, Kung-Hau Ding</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P36.201 Paper Number: 1295</p> <p>Title: RANGE-ANGLE DEPENDENT DETECTION FOR FDA-MIMO RADAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P36: Target Detection from SAR</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p>

	Authors: Shengyuan Li, Linrang Zhang, Nan Liu, Shiyang Tang, Shanshan Zhao
View ADD <input type="checkbox"/>	Paper Code: MOP.P23.129 Paper Number: 1297
	Title: SIMULATION OF SAR IMAGES OF SUBMARINE WAKES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P23: Object Detection and Recognition with SAR Images
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jie Ren, Junfeng Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P21.110 Paper Number: 1298
	Title: A HYPERSPECTRAL BAND SELECTION METHOD BASED ON MULTIVARIATE MUTUAL INFORMATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P21: Feature Extraction and Reduction VI
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Anthony Amankwah, Chris Aldrich
View ADD <input type="checkbox"/>	Paper Code: WE1.L7.3 Paper Number: 1299
	Title: RAPID2: A 3D SIMULATOR SUPPORTING VIRTUAL REMOTE SENSING EXPERIMENTS
	Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain
	Session: WE1.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Huaguo Huang
View ADD <input type="checkbox"/>	Paper Code: THP.P37.205 Paper Number: 1301
	Title: ORBITAL-ANGULAR-MOMENTUM-BASED ELECTROMAGNETIC VORTEX IMAGING BY LEAST-SQUARES METHOD
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping
	Session: THP.P37: Tomography and 3D Mapping I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Tiezhu Yuan, Hongyan Liu, Yongqiang Cheng, Yuliang Qin, Hongqiang Wang
View	Paper Code: MOP.P22.125 Paper Number: 1303

<p>ADD <input type="checkbox"/></p>	<p>Title: CLASSIFICATION OF GROUNDWATER POTENTIAL IN CHAOYANG AREA BASED ON QUEST ALGORITHM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P22: Multi-source Images Fusion and Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Duan Huajie, Deng Zhengdong, Deng Feifan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L3.1Paper Number: 1304</p> <p>Title: ON THE DETECTION OF LINEAR MIXTURES IN HYPERSPECTRAL IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR2.L3: Spectral Unimixing Techniques II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Andrea Marinoni, Antonio Plaza, Paolo Gamba</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L2.5Paper Number: 1308</p> <p>Title: IMPROVED COMPRESSION RATIO PREDICTION IN DCT-BASED LOSSY COMPRESSION OF REMOTE SENSING IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p> <p>Session: FR4.L2: Image Denoising and Compression</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Alexander N. Zemliachenko, Sergey K. Abramov, Vladimir V. Lukin, Benoit Vozel, Kacem Chehdi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L12.1Paper Number: 1310</p> <p>Title: SAR OCEANOGRAPHY APPLIED TO SOUTHEAST ASIAN WATERS</p> <p>Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications</p> <p>Session: TU1.L12: SAR Remote Sensing for Ocean Applications I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Werner Alpers</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P29.158Paper Number: 1314</p> <p>Title: BASELINE ESTIMATION WITH BLOCK ADJUSTMENT CONSIDERING GROUND CONTROL POINT ERRORS FOR MULTI-PASS DUAL-ANTENNA AIRBORNE INSAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across</p>

	<p>Session: THP.P29: SAR Interferometry II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Xin Xiong, Guowang Jin, Hongmin Zhang, Zechao Bai</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P4.18 Paper Number: 1321</p> <p>Title: EVALUATION OF THE IMPACT OF ENVIRONMENTAL CONTROL MEASURES DURING LARGE EVENT ON ATMOSPHERIC AEROSOL CONTENTS BASED ON DUAL STATIONS REMOTE SENSING MEASUREMENTS</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P4: Air Pollution</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Kaitao Li, Zhengqiang Li, Donghui Li, Hua Xu, Li Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L5.4 Paper Number: 1322</p> <p>Title: CAN WE RETRIEVE VEGETATION PHOTOSYNTHETIC CAPACITY PARAMETER FROM SOLAR-INDUCED FLUORESCENCE?</p> <p>Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function</p> <p>Session: TU1.L5: Remote Sensing of Vegetation Traits and Function I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Yongguang Zhang, Luis Guanter, Joseph Berry, Christiaan van der Tol, Joanna Joiner</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L10.5 Paper Number: 1325</p> <p>Title: Sea ice detection with TanDEM-X SAR data in the Bohai Sea</p> <p>Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities</p> <p>Session: MO4.L10: TanDEM-X: Mission Status and Science Activities II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Xi Zhang, Jie Zhang, Junmin Meng, Zhiyong Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P15.80 Paper Number: 1326</p> <p>Title: AN EFFICIENT APPROACH FOR SPATIOTEMPORAL IMAGE FUSION WITH APPLICATION TO HSHT LAND COVER CHANGE SIMULATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P15: Data Fusion Techniques: Optical Sensors Fusion</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p>

	Authors: Mingtao Ding, Hongyan Wang, Lichun Sui
View ADD <input type="checkbox"/>	Paper Code: MOP.P39.245 Paper Number: 1327
	Title: EXTRACTING THE VEGETATION PHENOLOGY OF INDIA MONSOON FOREST
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P39: Vegetation Monitoring by MODIS
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Rong Shang, Ronggao Liu, Yang Liu, Lu Zuo
View ADD <input type="checkbox"/>	Paper Code: TUP.P29.151 Paper Number: 1328
	Title: Object-oriented information extraction and evaluation of seismic damage of buildings using very high spatial resolution imagery
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P29: Multitemporal Analysis Urban Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yan Zhao, Jingfa Zhang, Leihua Yao
View ADD <input type="checkbox"/>	Paper Code: FR4.L9.3 Paper Number: 1329
	Title: Source Wavelet Independent Time-domain Full Waveform Inversion(FWI) of Cross-hole Radar Data
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar
	Session: FR4.L9: Subsurface Sensing
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Sixin Liu, Xu Meng, Lei Fu
View ADD <input type="checkbox"/>	Paper Code: WE1.L3.3 Paper Number: 1331
	Title: MORPHOLOGICAL INTERPOLATION FOR TEMPORAL CHANGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE1.L3: Change Detection in SAR Images
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Aditya Challa, Sravan Danda, B. S. Daya Sagar
View ADD <input type="checkbox"/>	Paper Code: WE4.L7.1 Paper Number: 1332
	Title: ANGULAR FEATURES OF COHERENT BISCATTERING FROM RANDOMLY CORRUGATED SURFACES WITH IRREGULAR GROOVES

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: WE4.L7: Rough Surface Scattering</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Peng Xu, Kun-Shan Chen, Rui Jiang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P7.41Paper Number: 1333</p> <p>Title: SIMULATION OF THIN CLOUDS IN VISIBLE SPECTRUM USING THE SIMPLIFIED RADIATIVE TRANSFER EQUATION</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P7: Clouds and Precipitation: Satellite Remote Sensing I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Haitao Lv, Yong Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P12.67Paper Number: 1335</p> <p>Title: A vehicle detection method taking shadow areas into account for high resolution aerial imagery</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P12: Detection with High Resolution Images</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jiaying Zhang, Chao Tao, Zhengrong Zou, Hongbo Pan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L10.4Paper Number: 1336</p> <p>Title: RESPONSE OF BISTATIC SCATTERING TO SOIL MOISTURE AND SURFACE ROUGHNESS AT L-BAND</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Bistatic and digital beamforming SAR</p> <p>Session: TU3.L10: Bistatic and Digital Beamforming SAR I</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Jianguyan Zeng, Kun-Shan Chen, Yuan Liu, Haiyun Bi, Quan Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L3.1Paper Number: 1337</p> <p>Title: ROAD EXTRACTION AND INTERSECTION DETECTION BASED ON TENSOR VOTING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: TU3.L3: Road and Building Detection</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Yingying Zhang, Junping Zhang, Tong Li, Ke Sun</p>

View ADD <input type="checkbox"/>	Paper Code: TH1.L2.3 Paper Number: 1338
	Title: CONVOLUTIONAL NEURAL NETWORK BASED CLASSIFICATION FOR HYPERSPSCTRAL DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH1.L2: Neural Network Based Classification
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Peiyuan Jia, Miao Zhang, Wenbo Yu, Fei Shen, Yi Shen
View ADD <input type="checkbox"/>	Paper Code: WEP.P29.160 Paper Number: 1339
	Title: COMPARISON OF DIFFERENT SPATIAL RESOLUTION THERMAL INFRARED DATA IN MONITORING THERMAL PLUME FROM THE HONGYANHE NUCLEAR POWER PLANT
	Topic: Oceans: Ocean Temperature and Salinity
	Session: WEP.P29: Ocean Temperature and Salinity
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xiang Wang, Xin-xin Wang, Jianchao Fan, Shiyong Wen, Jianhua Zhao, Xiu Su
View ADD <input type="checkbox"/>	Paper Code: MOP.P9.54 Paper Number: 1341
	Title: EVALUATION AND DATA FUSION OF THE DAY-1 IMERG PRODUCTS USING THE GROUND RAINFALL MEASUREMENTS OVER THE TIBETAN PLATEAU
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P9: Clouds and Precipitation: TRMM/GPM
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Guoqiang Tang, Yingzhao Ma, Xun Sun, Yang Hong
View ADD <input type="checkbox"/>	Paper Code: TU1.L4.4 Paper Number: 1342
	Title: A PRELIMINARY ASSESSMENT OF THE SMAP RADIOMETER SOIL MOISTURE PRODUCT USING THREE IN-SITU NETWORKS
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU1.L4: SMAP Soil Moisture I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Jiangyuan Zeng, Kun-Shan Chen, Haiyun Bi, Quan Chen, Yuan Liu
View ADD <input type="checkbox"/>	Paper Code: TUP.P6.29 Paper Number: 1343
	Title: AUTOMATIC INVALID LANDSAT IMAGE PIXEL SCREENING ON THE GOOGLE EARTH ENGINE PLATFORM

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P6: Change Detection Applications</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Qingling Zhang, Kai Chen, Jing Qian, Xi Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P37.199Paper Number: 1344</p> <p>Title: MAPPING OF SURFACE SOIL PARAMETERS (ROUGHNESS, MOISTURE AND TEXTURE) USING ONE RADAR X-BAND SAR CONFIGURATION OVER BARE AGRICULTURAL SEMI-ARID REGION</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P37: Radar Soil Moisture II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Azza Gorrab, Mehrez Zribi, Nicolas Baghdadi, Zohra Lili Chabaane</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L6.1Paper Number: 1345</p> <p>Title: TOWARDS A SEAMLESS, SCALABLE WORLD OF 3D MINERALOGY</p> <p>Topic: Invited Sessions: Minerals and Hydrocarbons</p> <p>Session: TH3.L6: Minerals and Hydrocarbons I</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Thomas Cudahy</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P23.125Paper Number: 1347</p> <p>Title: BOUNDARY EXTRACTION AND ANALYSIS OF OASIS AT THE WATERSHED SCALE BASED ON REMOTE SENSING</p> <p>Topic: Land Applications: Land Use Applications</p> <p>Session: WEP.P23: Land Use Applications</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Zhang Xiuxia</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L6.5Paper Number: 1348</p> <p>Title: FUSION OF HYPERSPECTRAL AND LIDAR DATA USING MORPHOLOGICAL COMPONENT ANALYSIS</p> <p>Topic: Invited Sessions: Data Fusion</p> <p>Session: WE1.L6: Data Fusion I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Xiang Xu, Jun Li, Antonio Plaza</p>

View ADD <input type="checkbox"/>	Paper Code: TUP.P8.44 Paper Number: 1349
	Title: CLASSIFICATION OF HYPERSPECTRAL IMAGE VIA SPATIAL-SPECTRAL MANIFOLD RECONSTRUCTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P8: Classification of Hyperspectral Image III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yaqiong Yang, Hong Huang, Fulin Luo
View ADD <input type="checkbox"/>	Paper Code: MOP.P30.187 Paper Number: 1350
	Title: URBAN BUILDING HEIGHT ESTIMATION FROM RADARSAT 2 IMAGERY, A CASE STUDY IN BEIJING, CHINA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P30: SAR Imaging Techniques IV
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Ye Tian, Shixin Wang, Yi Zhou, Wenliang Liu, Chenxi Lin
View ADD <input type="checkbox"/>	Paper Code: WEP.P41.226 Paper Number: 1351
	Title: A METHOD FOR COMPOSITING MODIS IMAGES TO REMOVE CLOUD COVER OVER HIMALAYAS FOR SNOW COVER MAPPING
	Topic: Cryosphere: Snow Cover
	Session: WEP.P41: Snow Cover II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Mohammed Abdul Athick Abdul Subhan, Hasan Raja Naqvi
View ADD <input type="checkbox"/>	Paper Code: TU3.L10.2 Paper Number: 1355
	Title: PRINCIPAL COMPONENTS DYNAMIC BLOCK QUANTIZATION FOR MULTICHANNEL SAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Bistatic and digital beamforming SAR
	Session: TU3.L10: Bistatic and Digital Beamforming SAR I
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Pietro Guccione, Michele Scagliola, Davide Giudici
View ADD <input type="checkbox"/>	Paper Code: MO4.L8.2 Paper Number: 1356
	Title: THE HYPERSPECTRAL SENSOR DESIS ON MUSES: PROCESSING AND APPLICATIONS
	Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News

	<p>Session: MO4.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Grégoire Kerr, Janja Avbelj, Emiliano Carmona, Andreas Eckardt, Birgit Gerasch, Lewis Graham, Burghardt Günther, Uta Heiden, Uwe Knodt, David Krutz, Harald Krawczyk, Aliaksei Makarau, Randy Miller, Rupert Müller, Ray Perkins, Ingo Walter</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P26.167 Paper Number: 1359</p> <p>Title: USING SPATIAL MODELLING TECHNIQUE TO INVESTIGATE THE RELATIONSHIPS BETWEEN SEDIMENT PROPERTIES AND MULTIBEAM BACKSCATTER INTENSITY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P26: SAR and Sonar Image Analysis and Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Wei Xu, Zhi Huang, Heqin Cheng</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P37.206 Paper Number: 1360</p> <p>Title: A NOVEL 3D IMAGING METHOD BASED ON ORTHOGONAL-TRACK SAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping</p> <p>Session: THP.P37: Tomography and 3D Mapping I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Ji Guo, Nan Zhang, Yuhao Wang, Kaizhi Wang, Xingzhao Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P36.228 Paper Number: 1362</p> <p>Title: OBIA SHIP DETECTION WITH MULTISPECTRAL AND SAR IMAGES: A SIMULATION FOR COPERNICUS SECURITY APPLICATIONS</p> <p>Topic: Mission, Sensors and Calibration: Satellite Missions</p> <p>Session: MOP.P36: Satellite Missions</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Marco Gianinetto, Martina Aiello, Andrea Marchesi, Francesco Topputo, Mauro Massari, Riccardo Lombardi, Francesco Banda, Stefano Tebaldini</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P31.170 Paper Number: 1363</p> <p>Title: MULTICHANNEL SAR-GMTI BASED ON THE ASYMMETRY OF THE SPATIAL SPECTRUM</p>

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P31: SAR Processing and Applications</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Hongchao Zheng, Junfeng Wang, Xingzhao Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L10.5 Paper Number: 1365</p> <p>Title: Mapping forest disturbance using long time series of Sentinel-1 data: Case studies over boreal and tropical forests</p> <p>Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results</p> <p>Session: WE4.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Oleg Antropov, Yrjö Rauste, Anne Väänänen, Teemu Mutanen, Tuomas Häme</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P20.107 Paper Number: 1367</p> <p>Title: DIELECTRIC MODEL IN THE FREQUENCY RANGE 0.05 TO 15 GHZ AT TEMPERATURES -30°C TO 25°C FOR THE SAMPLES OF ORGANIC SOILS AND LITTER COLLECTED IN ALASKA, YAMAL, AND SIBERIAN TAIGA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: TUP.P20: Electromagnetic Theory: Sea, Soil, and Planets</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Valery Mironov, Igor Savin, Andrey Karavaysky</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L4.3 Paper Number: 1371</p> <p>Title: SOIL MOISTURE AND RAINFALL RETRIEVAL FROM AMSR2 DATA IN ITALY</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TU2.L4: Passive Microwave Soil Moisture I</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Emanuele Santi, Simonetta Paloscia, Simone Pettinato, Luca Brocca, Luca Ciabatta, Christian Massari</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P37.237 Paper Number: 1372</p> <p>Title: A SHIP TARGET AUTOMATIC DETECTION METHOD FOR HIGH-RESOLUTION REMOTE SENSING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p>

	Session: MOP.P37: Ship Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Tong Shuai, Kang Sun, Xiangnan Wu, Xia Zhang, Benhui Shi
View ADD <input type="checkbox"/>	Paper Code: TUP.P31.163 Paper Number: 1375
	Title: A SCHEME OF FEATURE ANALYSIS IN SAR IMAGING BASED ON COMPRESSED SENSING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P31: Noise Reduction Techniques
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Wentao Lv, Jintai Yang, Weiqiang Xu, Xiaomin Bao, Xiaocheng Yang, Long Wu
View ADD <input type="checkbox"/>	Paper Code: MOP.P16.92 Paper Number: 1377
	Title: SCENE CLASSIFICATION OF HIGH RESOLUTION REMOTE SENSING IMAGES USING CONVOLUTIONAL NEURAL NETWORKS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P16: High Resolution Images Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Gong Cheng, Chengcheng Ma, Peicheng Zhou, Xiwen Yao, Junwei Han
View ADD <input type="checkbox"/>	Paper Code: TH1.L4.5 Paper Number: 1380
	Title: SOIL MOISTURE DATA PRODUCT GENERATED FROM NASA SMAP OBSERVATIONS WITH NOAA ANCILLARY DATA
	Topic: Invited Sessions: Applications of SMAP Data for Science and Society: A showcase of SMAP Early Adopter Research
	Session: TH1.L4: Applications of SMAP Data for Science and Society: A Showcase of SMAP Early Adopter Research I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Xiwu Zhan, Jicheng Liu, Jun Wen, Limin Zhao, Marco Vargas, Fuzhong Weng
View ADD <input type="checkbox"/>	Paper Code: THP.P4.16 Paper Number: 1381
	Title: OBJECT-BASED SEGMENTATION AND CLASSIFICATION FOR QUANTIFICATION OF AZERBAIJAN GROSS AND NET LAND-COVER CHANGES DURING 2014-2015 USING MULTI-TEMPORAL LANDSAT-8 OLI SATELLITE IMAGES
	Topic: Land Applications: Agriculture
	Session: THP.P4: Computational Techniques in Agriculture

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Emil Bayramov, Manfred Buchroithner, Rafael Bayramov
View ADD <input type="checkbox"/>	Paper Code: THP.P41.232 Paper Number: 1382
	Title: ANALYSIS OF SPATIAL-TEMPORAL DYNAMICS PATTERN OF URBANIZATION IN XINJIANG OASIS, USING GLCNMO AND DCW DATA
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P41: Urban Applications II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Alimujiang Kasimu
View ADD <input type="checkbox"/>	Paper Code: THP.P37.207 Paper Number: 1383
	Title: 3D SUPER RESOLUTION SCENE DEPTH RECONSTRUCTION BASED ON SKYSAT VIDEO IMAGE SEQUENCES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping
	Session: THP.P37: Tomography and 3D Mapping I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xue Wan, Jianguo Liu, Hongshi Yan, Gareth L.K. Morgan, Tao Sun
View ADD <input type="checkbox"/>	Paper Code: MOP.P7.37 Paper Number: 1385
	Title: A Geostationary Satellite-derived Fog Climatology
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P7: Clouds and Precipitation: Satellite Remote Sensing I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Peter Ray, Daphne Lefran
View ADD <input type="checkbox"/>	Paper Code: THP.P33.181 Paper Number: 1386
	Title: GEOMETRIC SIMPLEX GROWING ALGORITHM FOR FINDING ENDMEMBERS IN HYPERSPECTRAL IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P33: Spectral Unmixing Techniques I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Hsiao-Chi Li, Chein-I Chang
View ADD <input type="checkbox"/>	Paper Code: TUP.P41.226 Paper Number: 1388
	Title: MAPPING SOIL TYPOLOGIES USING GEOMORPHOLOGIC FEATURES EXTRACTED FROM DEM AND SAR DATA: A

	ENVIRONMENTAL FACTOR AFFECTING MALARIA TRANSMISSION IN THE AMAZON
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P41: Soil Properties II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zhichao Li, Thibault Catry, Nadine Dessay, Emmanuel Roux, Frédérique Seyler

View ADD <input type="checkbox"/>	Paper Code: WEP.P40.224 Paper Number: 1389
	Title: AUTOMATIC CHAMBER MEASUREMENTS OF NET ECOSYSTEM (CO ₂) EXCHANGE AT A SUBARCTIC MIRE IN NORTHERN SWEDEN
	Topic: Cryosphere: Snow Cover
	Session: WEP.P40: Snow Cover and Frozen/Thaw
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Ryan Lawrence, Maeah Walthall, Linda Hayden, Xavier Parker-Smith

View ADD <input type="checkbox"/>	Paper Code: WEP.P41.225 Paper Number: 1390
	Title: VALIDATION OF THE ANTARCTIC SNOW ACCUMULATION AND ICE DISCHARGE BASAL STRESS BOUNDARY OF THE SOUTHEASTERN REGION OF THE ROSS ICE SHELF, ANTARCTICA
	Topic: Cryosphere: Snow Cover
	Session: WEP.P41: Snow Cover II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Kamberlin King, Charlie Nelson, Ayanna Overton, Michael Jefferson, Linda Hayden

View ADD <input type="checkbox"/>	Paper Code: TUP.P34.183 Paper Number: 1392
	Title: Microwave soil moisture retrieval using neural networks
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P34: Passive Microwave Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Bin Fang, Pierre Gentine

View ADD <input type="checkbox"/>	Paper Code: FR3.L11.3 Paper Number: 1394
	Title: USING MULTIBEAM ACOUSTIC REMOTELY SENSED DATA TO INVESTIGATE SEABED SEDIMENT GRAIN SIZE CHARACTERISTICS
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: FR3.L11: Interdisciplinary Topics

	Time: Friday, July 15, 13:30 - 15:10
	Authors: Zhi Huang, Justy Siwabessy, Heqin Cheng, Scott Nichol
View ADD <input type="checkbox"/>	Paper Code: TUP.P15.78 Paper Number: 1395
	Title: EVALUATION OF SPATIO-TEMPORAL DATA FUSION METHODS FOR GENERATING NDVI TIME SERIES IN CROPLAND AREAS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P15: Data Fusion Techniques: Optical Sensors Fusion
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Chunhua Liao, Jinfei Wang
View ADD <input type="checkbox"/>	Paper Code: FR3.L7.1 Paper Number: 1396
	Title: IMPROVING URBAN EXTENT EXTRACTION FROM VHR OPTICAL DATA BY MEANS OF CLOUD DETECTION AND IMAGE RECONSTRUCTION
	Topic: Land Applications: Urban and Built Environment
	Session: FR3.L7: Optical Urban Remote Sensing
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Iannelli Gianni Cristian, Paolo Gamba, Xinghua Li, Huanfeng Shen
View ADD <input type="checkbox"/>	Paper Code: MOP.P19.105 Paper Number: 1397
	Title: RFI MITIGATION OF SMOS IMAGE BASED ON CLEAN ALGORITHM
	Topic: Mission, Sensors and Calibration: Satellite Missions
	Session: MOP.P19: Microwave and Optical Calibration
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Xiaohui Peng, Fei Hu, Feng He, Liang Wu, Jun Li, Dong Zhu, Zhiqiang Liao, Cuifang Qian
View ADD <input type="checkbox"/>	Paper Code: MOP.P17.94 Paper Number: 1398
	Title: A support vector machine-Based Particle Filter for improved land cover classification applied to MODIS Data
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P17: Land Cover Mapping
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Patcharin Insom, Chunxiang Cao, Pisit Boonsrimuang, Shanning Bao, Wei Chen, Xiliang Ni

View ADD <input type="checkbox"/>	Paper Code: THP.P37.208 Paper Number: 1399
	Title: 3D MAPING OF ACTIVE FAULT DETECTION IN MAIN CITY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping
	Session: THP.P37: Tomography and 3D Mapping I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Tian Tian, Shimin Zhang, Jingfa Zhang, Wenliang Jiang
View ADD <input type="checkbox"/>	Paper Code: TH4.L6.1 Paper Number: 1403
	Title: UAV FOR MINING APPLICATIONS: A CASE STUDY AT AN OPEN-CUT MINE AND A LONGWALL MINE IN NEW SOUTH WALES, AUSTRALIA
	Topic: Invited Sessions: Minerals and Hydrocarbons
	Session: TH4.L6: Minerals and Hydrocarbons II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Linlin Ge, Xiaojing Li, Alex Hay-Man Ng
View ADD <input type="checkbox"/>	Paper Code: WEP.P43.238 Paper Number: 1404
	Title: Pixel Tracking on Very High Resolution Imagery for Landslide Deformation Analysis
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P43: Subsidence and Landslip
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Beiqi Shi, Chun Liu
View ADD <input type="checkbox"/>	Paper Code: WEP.P16.92 Paper Number: 1407
	Title: GEO SAR'S POTENTIAL AND WORKING MODES ANALYSIS FOR DISASTER REDUCTION
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P16: Floods
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yueguan Lin, Wei Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P28.150 Paper Number: 1409
	Title: A Novel InSAR Phase Denoising Method via Nonlocal Wavelet Shrinkage
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P28: SAR Interferometry I

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Dongsheng Fang, Xiaolei Lv, Bin Lei
View ADD <input type="checkbox"/>	Paper Code: TUP.P36.193 Paper Number: 1411
	Title: FALSE TOPOGRAPHIC PERCEPTION PHENOMENA CORRECTION BY TOPOGRAPHIC NORMALIZATION MODEL
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P36: Passive Optical Applications & Sensors
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Wanqiu Zhang, Cairong Yue, Hua Yuan
View ADD <input type="checkbox"/>	Paper Code: MOP.P25.144 Paper Number: 1416
	Title: MONITORING SEA SURFACE TEMPERATURE ANOMALY IN THE COASTAL BELT OF BANGLADESH
	Topic: Data Management and Education: Remote Sensing Data and Policy Decisions
	Session: MOP.P25: Remote Sensing Data and Policy Decisions
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Md. Shakil Khan, Jewel Das, Tawhidur Rahaman
View ADD <input type="checkbox"/>	Paper Code: WE3.L12.1 Paper Number: 1420
	Title: DERIVATION OF SEA SURFACE CURRENT FIELDS USING TANDEM-X PURSUIT MONOSTATIC MODE DATA
	Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations
	Session: WE3.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Yongzheng Ren, Xiaoming Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P8.44 Paper Number: 1423
	Title: ESTIMATE THE HIGH-RESOLUTION DISTRIBUTION OF GROUND-LEVEL PARTICULATE MATTER BASED ON SPACE OBSERVATIONS AND A PHYSICAL-BASED MODEL
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P8: Disaster Assessment
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jie Guang, Yong Xue, Cheng Fan, Ying Li, Lu She, Yahui Che

View ADD <input type="checkbox"/>	Paper Code: THP.P33.182 Paper Number: 1427
	Title: UNSUPERVISED NONLINEAR HYPERSPECTRAL UNMIXING BASED ON THE GENERALIZED BILINEAR MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P33: Spectral Unmixing Techniques I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jing Li, Xiaorun Li, Liaoying Zhao
View ADD <input type="checkbox"/>	Paper Code: TUP.P14.69 Paper Number: 1428
	Title: ARTIFACT-FREE IMAGE RECONSTRUCTION FOR SATELLITE IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P14: Data Fusion Techniques: Denoising, Compression and Registration
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Masato Ishii, Takashi Shibata, Atsushi Sato
View ADD <input type="checkbox"/>	Paper Code: TUP.P18.94 Paper Number: 1430
	Title: THE ANALYSIS AND VERIFICATION ABOUT THE UPDATE RATE CONSTRAINT FOR THE INTERFEROMETRIC RADAR OF DISPLACEMENT MEASUREMENT
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P18: Electromagnetic Theory III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Heng Dong, Jian Wang, Qian Song
View ADD <input type="checkbox"/>	Paper Code: FR4.L9.2 Paper Number: 1433
	Title: MCA BASED CLUTTER REDUCTION FROM MIGRATED GPR DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar
	Session: FR4.L9: Subsurface Sensing
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Yanhui Zhou, Wenchao Chen
View ADD <input type="checkbox"/>	Paper Code: TU4.L2.5 Paper Number: 1437
	Title: Proposal of wet snow mapping with focus on incident angle influential to depolarization of surface scattering

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TU4.L2: SAR Image Classification</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Naoto Usami, Arnab Muhuri, Avik Bhattacharya, Akira Hirose</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P34.184Paper Number: 1441</p> <p>Title: VALIDATION OF SMOS SOIL MOISTURE PRODUCTION IN THE HEIHE RIVER BASIN OF CHINA</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P34: Passive Microwave Soil Moisture II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Zheng Lu, Linna Chai, Tao Zhang, Huizhen Cui, Jian Wang, Wanjing Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P1.5Paper Number: 1442</p> <p>Title: MICROWAVE RADIATION IMAGING APPROACH BASED ON SPARSE REPRESENTATION</p> <p>Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration</p> <p>Session: MOP.P1: Aperture Synthesis Radiometry</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xiaocheng Yang, Lurong Ding, Long Wu, Jingye Yan, Ji Wu, Lin Wu, Wentao Lv</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P8.40Paper Number: 1444</p> <p>Title: MULTIPLE KERNEL LEARNING BASED ON IDEAL KERNEL OPTIMIZATION FOR HYPERSPECTRAL IMAGERY CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P8: Classification of Hyperspectral Image III</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Wei Gao, Yu Peng</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L12.4Paper Number: 1446</p> <p>Title: MULTI-RESOLUTION SEA SURFACE TEMPERATURE MODELING BASED ON RADIAL BASIS FUNCTION NETWORKS</p> <p>Topic: Oceans: Ocean Temperature and Salinity</p> <p>Session: WE2.L12: Ocean Temperature and Salinity</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p>

	Authors: Zhihong Liao, Qing Dong, Cunjin Xue, Jingwu Bi, Shuchao Wu, Wanjiao Song
View ADD <input type="checkbox"/>	Paper Code: WEP.P35.192 Paper Number: 1450
	Title: PRELIMINARY RESULTS OF THE RETRIEVAL OF THE MEAN SQUARE SLOPES OF THE LARGE-SCALE SEA WAVES BY THE DUAL-FREQUENCY PRECIPITATION RADAR
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: WEP.P35: Radar Remote Sensing Missions I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Vladimir Karaev, Mariya Panfilova, Yury Titchenko, Eugeny Meshkov, Galina Balandina
View ADD <input type="checkbox"/>	Paper Code: WE3.L1.2 Paper Number: 1452
	Title: GRIDLESS SPARSE RECOVERY METHODS FOR DLSLA 3-D SAR CROSS-TRACK RECONSTRUCTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: WE3.L1: SAR Imaging Techniques I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Qian Bao, Wen Hong, Yun Lin, Jianfeng Wang, Bingchen Zhang, Yanping Wang, Weixian Tan
View ADD <input type="checkbox"/>	Paper Code: WEP.P19.105 Paper Number: 1454
	Title: AUTOMATED ORTHO-RECTIFIED SAR IMAGE OF GF-3 SATELLITE USING REVERSE-RANGE-DOPPLER METHOD
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science
	Session: WEP.P19: Geographic Information Science I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jiayin Liu, Xiaolan Qiu, Wen Hong
View ADD <input type="checkbox"/>	Paper Code: WE1.L2.1 Paper Number: 1458
	Title: GRAPH-BASED DEEP CONVOLUTIONAL NETWORKS FOR HYPERSPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: WE1.L2: Classification of Hyperspectral Image I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Jiayan Cao, Zhao Chen, Bin Wang

View ADD <input type="checkbox"/>	Paper Code: TH1.L6.5 Paper Number: 1460
	Title: ASSESSING STORM-RELATED GEOMORPHIC SHORELINE CHANGES BASED ON GPS SURVEYS, OLD MAPS AND AERIAL PHOTOGRAPHS
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: TH1.L6: Digital Terrain Models
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Ülo Suursaar, Hannes Tõnisson, Are Kont
View ADD <input type="checkbox"/>	Paper Code: WEP.P17.96 Paper Number: 1462
	Title: ESTIMATING CROP NET PRIMARY PRODUCTION USING HIGH SPATIAL RESOLUTION REMOTE SENSING DATA
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: WEP.P17: Forests and Vegetation II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Lu Wang, Wenjie Fan, Xiru Xu
View ADD <input type="checkbox"/>	Paper Code: TUP.P8.41 Paper Number: 1463
	Title: Active Selection for Hyperspectral Data Classification with Submodular Method
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P8: Classification of Hyperspectral Image III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jiming Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P6.31 Paper Number: 1465
	Title: TEMPERATURE AND HUMIDITY PROFILES RETRIEVING OVER LAND USING CLEAR SKY MEASUREMENTS OF MICROWAVE HUMIDITY-TEMPERATURE SOUNDER ON CHINESE FY-3C SATELLITE
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WEP.P6: Atmospheric Sounding Sensors
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Qiurui He, Zhenzhan Wang, Jieying He
View ADD <input type="checkbox"/>	Paper Code: MOP.P36.227 Paper Number: 1466
	Title: AN OPERATIONAL PRODUCTION OF 300M AND 1KM TOC-R AND SURFACE ALBEDO PRODUCTS FROM PROBA-V SENSOR DATA FOR COPERNICUS AND IMAGINES PROGRAMMES

	Topic: Mission, Sensors and Calibration: Satellite Missions
	Session: MOP.P36: Satellite Missions
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jean-Louis Roujean, Roselyne Lacaze, Bruno Smets, Laurent Wandrebeck, Patrick Claes, Fernando Camacho, Jorge Sanchez

View ADD <input type="checkbox"/>	Paper Code: MO3.L2.3 Paper Number: 1467
	Title: Band Selection of Hyperspectral Data with Low-Rank Doubly Stochastic Matrix Decomposition
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: MO3.L2: Hyperspectral Band Selection and Dimensionality Reduction
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Jiming Li

View ADD <input type="checkbox"/>	Paper Code: TU3.L10.5 Paper Number: 1469
	Title: RECONSTRUCTION OF AZIMUTH SIGNAL FOR MULTICHANNEL HRWS SAR IMAGING BASED ON PERIODIC EXTENSION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Bistatic and digital beamforming SAR
	Session: TU3.L10: Bistatic and Digital Beamforming SAR I
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Linjian Zhang, Nan Zhang, Yesheng Gao, Kaizhi Wang, Xingzhao Liu

View ADD <input type="checkbox"/>	Paper Code: FR2.L5.1 Paper Number: 1470
	Title: COMBINING CROP PROPORTION PHENOLOGY INDEX MODELS WITH MACHINE LEARNING ALGORITHMS FOR ESTIMATING WINTER WHEAT AREAS
	Topic: Land Applications: Agriculture
	Session: FR2.L5: Computational Techniques for Crop Monitoring and Classification
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Le Li, Yaozhong Pan, Qinchuan Xin

View ADD <input type="checkbox"/>	Paper Code: TH2.L11.3 Paper Number: 1472
	Title: A NEW ALGORITHM FOR AEROSOL RETRIEVAL USING HJ-1 CCD AND MODIS NDVI DATA OVER URBAN AREAS
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: TH2.L11: Aerosols and Atmospheric Chemistry II

	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Weihong Han, Ling Tong, Yunping Chen
View ADD <input type="checkbox"/>	Paper Code: MOP.P15.85 Paper Number: 1473
	Title: A CLASSIFICATION METHOD OF UNMANNED-AERIAL-SYSTEMS-DERIVED POINT CLOUD FOR GENERATING A CANOPY HEIGHT MODEL OF FARM FOREST
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P15: Forest Monitoring by Radar and Lidar
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Chinsu Lin, Ka-Lok Lo, Puo-Lin Huang
View ADD <input type="checkbox"/>	Paper Code: WE3.L11.4 Paper Number: 1475
	Title: IONOSPHERIC ACOUSITC AND RAYLEIGH WAVES DETECTED BY GPS FOLLOWING THE 2005 MW=7.2 NORTHERN CALIFORNIA EARTHQUAKE
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WE3.L11: Atmospheric Sounding Sensors
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Rui Jin, Shuanggen Jin
View ADD <input type="checkbox"/>	Paper Code: WEP.P37.206 Paper Number: 1476
	Title: AN INTEGRATED GNSS REMOTE SENSING INSTRUMENT AND ITS FIRST GNSS-R AIRBORNE EXPERIMENT
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: WEP.P37: Recent Advances in GNSS-R
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xianyi Wang, Yueqiang Sun, Qifei Du, Dongwei Wang, Di Wu, Yuerong Cai, Chunjun Wu, Weihua Bai, Junming Xia, Wei Li
View ADD <input type="checkbox"/>	Paper Code: THP.P1.3 Paper Number: 1479
	Title: FAST REAL-TIME TARGET DETECTION VIA TARGET-ORIENTED BAND SELECTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P1: Hyperspectral Target Detection
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Bo Peng, Lifu Zhang, Taixia Wu, Hongming Zhang
View	Paper Code: FR1.L5.4 Paper Number: 1480

ADD <input type="checkbox"/>	<p>Title: HYPERSPECTRAL CHLOROPHYLL INDICES SENSITIVITY ANALYSIS TO SOIL BACKGROUNDS IN AGRICULTURAL APPLICATIONS USING FIELD, PROBE-1 AND HYPERION DATA</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: FR1.L5: Radar and Hyperspectral Remote Sensing for Crop Parameters</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Abderrazak Bannari, Kark Staenz</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P33.183 Paper Number: 1482</p> <p>Title: BILATERAL FILTERING ABUNDANCE FEATURES FOR MULTILAYER UNMIXING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P33: Spectral Unmixing Techniques I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Genping Zhao, Chunhui Zhao</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P13.75 Paper Number: 1484</p> <p>Title: ESTIMATION OF SURFACE SOIL MOISTURE USING FENGYUN-2E (FY-2E) DATA: A CASE STUDY OVER THE SOURCE AREA OF THE YELLOW RIVER</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P13: Estimation and Regression Applications: Soil</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yawei Wang, Xiaoning Song, Pei Leng, Chuan Sun, Xin Liu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L10.4 Paper Number: 1485</p> <p>Title: BLIND SOURCE SEPARATION IN POLARIMETRIC SAR INTERFEROMETRY</p> <p>Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction</p> <p>Session: TH1.L10: Advanced Methods for Polarimetric SAR Information Extraction I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Gabriel Vasile, Leandro Pralon</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P2.7 Paper Number: 1486</p> <p>Title: ESTIMATING SURFACE AIR TEMPERATURE AT A REGIONAL SCALE FOR NORTH CHINA BY REMOTE SENSING</p>

	<p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P2: Agricultural Parameters</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Suhua Liu, Hongbo Su, Renhua Zhang, Jing Tian, Shaohui Chen, Weimin Wang, Lijun Yang, Hong Liang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P19.103 Paper Number: 1489</p> <p>Title: NEW RESULTS ABOUT QUANTUM SCATTERING CHARACTERISTICS OF TYPICAL TARGETS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: TUP.P19: Electromagnetic theory: Radar and Optical</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Kang Liu, Yanwen Jiang, Xiang Li, Yongqiang Cheng, Yuliang Qin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L9.1 Paper Number: 1491</p> <p>Title: APPLICATION OF ENTROPY CLASSIFICATION METHOD TO THE DETECTION OF SUBSURFACE LINEAR TARGETS IN POLARIMETRIC GPR DATA</p> <p>Topic: Invited Sessions: Advanced Ground Penetrating Radar</p> <p>Session: FR2.L9: Advanced Ground Penetrating Radar II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Yue Yu, Chi-Chih Chen, Xuan Feng, Cai Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L6.1 Paper Number: 1493</p> <p>Title: EASY TO USE TIME-SERIES DATA ACCESS AND ANALYSIS TOOLS USING STANDARD-BASED GEOPROCESSING SERVICES</p> <p>Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems</p> <p>Session: WE4.L6: Advancing Interoperability for Geoscience Information Systems II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Jonas Eberle, Trevor Taylor, Christiane Schullius</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P14.73 Paper Number: 1494</p> <p>Title: An MPI-CUDA Implementation for the Compression of DEM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P14: Data Fusion Techniques: Denoising, Compression and Registration</p>

	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Fei Zeng, Fahong Liang, Fan Yang, Cheng Kou
View ADD <input type="checkbox"/>	Paper Code: FR1.L1.5 Paper Number: 1496
	Title: Implementation method of Mosaic mode based on satellite attitude maneuver
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: FR1.L1: SAR Imaging Techniques VII
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Xiaolei Han, Qingjun Zhang, Jie Liu, Bingji Zhao, Tengfei Li, Running Zhang
View ADD <input type="checkbox"/>	Paper Code: MO4.L2.2 Paper Number: 1498
	Title: MODEL SELECTION FOR HIGH RESOLUTION INSAR COHERENCE STATISTICS OVER URBAN AREAS AND ITS APPLICATION IN BUILDING DETECTION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: MO4.L2: SAR Image Feature Extraction and Filtering
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Yue Zhang, Xian Sun, Wenhui Diao, Chenyuan Wang, Guangluan Xu, Hongqi Wang
View ADD <input type="checkbox"/>	Paper Code: THP.P27.147 Paper Number: 1500
	Title: GROUND MOVING TARGET INDICATION AND PARAMETER ESTIMATION WITH SINGLE CHANNEL FOR SAR SYSTEM
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P27: SAR Data Processing and Target Detection
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yan Huang, Guisheng Liao, Jie Li, Jingwei Xu
View ADD <input type="checkbox"/>	Paper Code: TU2.L5.2 Paper Number: 1504
	Title: REMOTE SENSING OF CROP LIGHT USE EFFICIENCY USING PHOTOCHEMICAL REFLECTANCE INDEX
	Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function
	Session: TU2.L5: Remote Sensing of Vegetation Traits and Function II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Chaoyang Wu, Zhengjia Liu, Shiguang Xu

View	Paper Code: TH3.L10.5 Paper Number: 1506
ADD <input type="checkbox"/>	Title: INTERNATIONAL DEVELOPMENT OF MULTI-BAND POL-INSAR SATELLITE SENSORS FOR PROTECTING THE FLORA AND FAUNA AS WELL AS NATURAL LAND AND COASTAL ENVIRONMENT WITHIN THE EQUATORIAL BELT OF +/- 23.77°, +/- 18°, +/- 12° AND +/- 8° LATITUDE
	Topic: Invited Sessions: SAR Polarimetry: Theory and Applications
	Session: TH3.L10: SAR Polarimetry: Theory and Applications I
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Wolfgang-Martin Boerner, Danilo Erricolo, Tadahiro Negishi, Rui Yang, Gerhard Krieger, Andreas Reigber, Alberto Moreira
View	Paper Code: TU1.L12.3 Paper Number: 1507
ADD <input type="checkbox"/>	Title: FETCH-LIMITED SURFACE WAVE GROWTH INSIDE TROPICAL CYCLONES AND HURRICANE WIND SPEED RETRIEVAL
	Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications
	Session: TU1.L12: SAR Remote Sensing for Ocean Applications I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Paul Hwang, Xiaofeng Li, Biao Zhang, Edward Walsh
View	Paper Code: TH4.L4.1 Paper Number: 1510
ADD <input type="checkbox"/>	Title: MODELING SNOW ANISOTROPY AND BACKSCATTERING CO-POLARIZATION PHASE DIFFERENCE USING BICONTINUOUS MEDIA AND NUMERICAL SOLUTIONS OF MAXWELL EQUATIONS
	Topic: Cryosphere: Snow Cover
	Session: TH4.L4: Snow Cover
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Shurun Tan, Chuan Xiong, Leung Tsang
View	Paper Code: TU1.L4.2 Paper Number: 1511
ADD <input type="checkbox"/>	Title: SPATIAL DOWNSCALING OF SMAP PASSIVE MICROWAVE RADIOMETER SOIL MOISTURE USING VEGETATION INDEX AND SURFACE TEMPERATURE
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU1.L4: SMAP Soil Moisture I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Venkat Lakshmi, Huixuan Li
View	Paper Code: MOP.P40.251 Paper Number: 1513
ADD <input type="checkbox"/>	Title: ESTIMATING THE CLUMPING INDEX AT TWO CONTRASTING POINTS IN THE GROWING SEASON USING A VARIETY OF

	<p>FIELD-BASED METHODS</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P40: Vegetation Monitoring I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Kairi Raabe, Jan Pisek, Mait Lang, Lauri Korhonen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L2.5 Paper Number: 1515</p> <p>Title: AN ITERATIVE LOW-RANK REPRESENTATION FOR SAR IMAGE DESPECKLING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: MO4.L2: SAR Image Feature Extraction and Filtering</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Jie Geng, Jianchao Fan, Xiaorui Ma, Hongyu Wang, Ke Cao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P6.34 Paper Number: 1517</p> <p>Title: AUTOMATIC CHANGE DETECTION BASED ON CONDITIONAL RANDOM FIELD IN HIGH RESOLUTION REMOTE SENSING IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P6: Change Detection Applications</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Guo Cao, Xuesong Li, Yanfeng Shang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P19.107 Paper Number: 1518</p> <p>Title: 3D MODELING FOR MINE ROADWAY FROM LASER SCANNING POINT CLOUD</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Geographic Information Science</p> <p>Session: WEP.P19: Geographic Information Science I</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Jiateng Guo, Jizhou Jiang, Lixin Wu, Wenhui Zhou, Lianhuan Wei</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L2.1 Paper Number: 1519</p> <p>Title: WAVELET-BASED PROSPECT INVERSION FOR RETRIEVING LEAF MASS PER AREA (LMA) AND EQUIVALENT WATER THICKNESS (EWT) FROM LEAF REFLECTANCE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p>

Session: FR2.L2: Estimation and Regression Techniques
Time: Friday, July 15, 10:30 - 12:10
Authors: Dong Li, Tao Cheng, Xia Yao, Zhaoying Zhang, Yongchao Tian, Yan Zhu, Weixing Cao

View ADD <input type="checkbox"/>	Paper Code: WE4.L6.3 Paper Number: 1521
	Title: EARTH OBSERVATION DATA ACCESS INTEROPERABILITY IMPLEMENTATION AMONG SPACE AGENCIES
	Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems
	Session: WE4.L6: Advancing Interoperability for Geoscience Information Systems II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Satoko Miura

View ADD <input type="checkbox"/>	Paper Code: WE4.L4.4 Paper Number: 1523
	Title: Validation of the remote sensing products at a watershed scale in China
	Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks
	Session: WE4.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Mingguo Ma, Rui Jin, Yonghua Qu, Xihan Mu, Wenping Yu, Liying Geng, Xufeng Wang, Xiaodan Wu

View ADD <input type="checkbox"/>	Paper Code: WEP.P30.165 Paper Number: 1525
	Title: TEMPORAL AND SPATIAL VARIATIONS OF MESOSCALE EDDIES IN THE SOUTH CHINA SEA DERIVED FROM ALTIMETER DATA
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P30: Ocean Waves and Currents
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yongjun Jia, Mingsen Lin

View ADD <input type="checkbox"/>	Paper Code: TH3.L3.1 Paper Number: 1526
	Title: A Comparative Study of Coastline Changes at Tampa Bay and Xiangshan Harbor during the Last 30 Years
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH3.L3: Change Detection Applications
	Time: Thursday, July 14, 13:30 - 15:10

Authors: Qiandong Guo, Ruiliang Pu, Bing Zhang, Lianru Gao	
View ADD <input type="checkbox"/>	Paper Code: THP.P26.138 Paper Number: 1527
	Title: INTEGRATING REMOTE SENSING AND METEOROLOGICAL DATA TO ASSESS HABITAT SUITABILITY OF POWDERY MILDEW IN WINTER
	Topic: Land Applications: Agriculture
	Session: THP.P26: Remote Sensing of Crop Diseases and Nutrients
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jingcheng Zhang, Lin Yuan, Chenwei Nie, Lihua Li, Kaihua Wu
View ADD <input type="checkbox"/>	Paper Code: TH4.L5.2 Paper Number: 1529
	Title: RESPONSE OF SEASONAL CYCLE OF CARBON DIOXIDE CONCENTRATION TO VEGETATION ACTIVITY FROM SATELLITE OBSERVATION
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: TH4.L5: Forest and Vegetation I
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Zhonghua He, Liping Lei, Zhaocheng Zeng
View ADD <input type="checkbox"/>	Paper Code: TU4.L2.2 Paper Number: 1530
	Title: MULTIPLE RANK REGRESSION BASE METHOD FOR THE CLASSIFICATION OF SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TU4.L2: SAR Image Classification
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Conghui Ma, Gongjian Wen, Xiaohong Huang, Xiaoliang Yang, Baiyuan Ding
View ADD <input type="checkbox"/>	Paper Code: MO4.L11.1 Paper Number: 1533
	Title: Dust Aerosol Impact On The Retrieval Of Cloud Top Height From Passive And Active Satellite Observations
	Topic: Invited Sessions: Atmosphere Remote Sensing and their Application in Air Pollution
	Session: MO4.L11: Atmosphere Remote Sensing and its Application in Air Pollution II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Wencai Wang

View ADD <input type="checkbox"/>	Paper Code: MOP.P23.133 Paper Number: 1535
	Title: THE SHADOW ENHANCEMENT FOR TARGETS WITH FLAT STRUCTURES IN SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P23: Object Detection and Recognition with SAR Images
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yueting Zhang, Xiaolan Qiu, Bin Lei, Kun Fu, Fangfang Li, Chibiao Ding
View ADD <input type="checkbox"/>	Paper Code: WEP.P8.42 Paper Number: 1538
	Title: COUPLING EFFECTS OF NUTRIENTS AND TEMPERATURE FOR THE HAZARD DEGREE DYNAMIC ASSESSMENT OF KARENIA MIKIMOTOI RED TIDE DISASTERS IN THE WENZHOU COASTAL WATERS
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P8: Disaster Assessment
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Shiyong Wen, Yongjian Liu, Zizhu Wang, Xinxin Wang, Xiang Wang, Jianhua Zhao
View ADD <input type="checkbox"/>	Paper Code: THP.P1.2 Paper Number: 1540
	Title: ANOMALY DETECTION BASED ON QUADRATIC MODELING OF HYPERSPECTRAL IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P1: Hyperspectral Target Detection
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Shengwei Zhong, Ye Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P36.203 Paper Number: 1542
	Title: AN IMPROVED NONPARAMETRIC CFAR METHOD FOR SHIP DETECTION IN SINGLE POLARIZATION SYNTHETIC APERETUER RADAR IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P36: Target Detection from SAR
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Sirui Tian, Chao Wang, Hong Zhang

View ADD <input type="checkbox"/>	Paper Code: FR1.L11.4 Paper Number: 1545
	Title: INTEGRATING LIDAR AND FLOOD SIMULATION MODELS IN DETERMINING EXPOSURE AND VULNERABILITY OF BUILDINGS TO EXTREME RAINFALL-INDUCED FLOOD HAZARDS
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR1.L11: Floods
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Jojene Santillan, Meriam Makinano-Santillan, Linbert Cutamora
View ADD <input type="checkbox"/>	Paper Code: THP.P19.99 Paper Number: 1546
	Title: IDENTIFICATION OF ARTIFICIAL PALEO-IRRIGATION CANALS USING REMOTE SENSING IMAGES IN ANCIENT JUYAN
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: THP.P19: Interdisciplinary Topics I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Ningke Hu
View ADD <input type="checkbox"/>	Paper Code: TUP.P24.126 Paper Number: 1547
	Title: THE MANIFOLD LEARNING FOR DIMENSIONALITY REDUCTION WITH HYPERSPECTRAL IMAGE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P24: Hyperspectral Imagery Band Selection Dimensionality Reduction
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zezhong Zheng, Pengxu Chen, Mingcang Zhu, Zhiqin Huang, Yong He, Yicong Feng, Yufeng Lu, Zhenlu Yu, Shijie Yu, Shengli Wang, Jiang Li
View ADD <input type="checkbox"/>	Paper Code: MOP.P35.221 Paper Number: 1548
	Title: OCEAN INTERNAL WAVES FEATURES EXTRACTION BY ANALYSIS OF AERIAL OBLIQUE PHOTOGRAPHY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P35: SAR Imaging Techniques VIII
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shengke Wang, Long Chen, Jianping Yang, Caixia Wang, Muwei Jian, Lifang Lin, Junyu Dong

View ADD <input type="checkbox"/>	Paper Code: WEP.P24.136 Paper Number: 1552
	Title: A GROUND-BASED DIFFERENTIAL ABSORPTION LIDAR FOR atmospheric CO2 detection
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: WEP.P24: Lidar Systems and Techniques
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Ge Han, Miao Zhang, Xiaohui Cui, Ailin Liang, Gong Wei
View ADD <input type="checkbox"/>	Paper Code: WE2.L9.2 Paper Number: 1554
	Title: FUSION OF BATHYMETRIC LIDAR AND HYPERSPECTRAL IMAGERY FOR SHALLOW WATER BATHYMETRY
	Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies
	Session: WE2.L9: Advances in Bathymetric and Oceanographic Lidar Studies II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Zhigang Pan, Craig Glennie, Juan Carlos Fernandez-Diaz, Ramesh Shrestha, Bill Carter, Darren Hauser, Abhinav Singhanian, Michael Sartori
View ADD <input type="checkbox"/>	Paper Code: WEP.P22.117 Paper Number: 1555
	Title: THE MONITORING OF LAND USE AND LAND COVER CHANGE OF SICHUAN PROVINCE AND CHENGDU DISTRICT, CHINA
	Topic: Land Applications: Land Cover Dynamics
	Session: WEP.P22: Land Cover Dynamics
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Shijie Yu, Zezhong Zheng, Wunian Yang, Mingcang Zhu, Yong He, Zhenlu Yu, Shengli Wang, Fu Wang, Jiang Li
View ADD <input type="checkbox"/>	Paper Code: THP.P11.56 Paper Number: 1556
	Title: EFFECT OF CLIMATE CHANGE ON CALIFORNIA FISH SPECIES
	Topic: Advancing the Understanding of Our Living Planet: Global Change Study
	Session: THP.P11: Global Change Study
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Allison Scavo, Ramesh P. Singh
View ADD <input type="checkbox"/>	Paper Code: WE4.L12.3 Paper Number: 1557
	Title: MESO- AND SUBMESO-SCALE OCEAN FRONT DETECTION USING SAR AND OPTICAL DATA

	<p>Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations</p> <p>Session: WE4.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Osamu Isoguchi, Naoto Ebuchi, Masanobu Shimada</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P43.238 Paper Number: 1558</p> <p>Title: DEVELOPMENT OF ACCURACY ASSESSMENT TOOL OF INDIVIDUAL TREE CROWN DELINEATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P43: Vegetation and Tree Remote Sensing</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Zhen Zhen, Yinghui Zhao, Yuanshuo Hao, Qingbin Wei</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P5.30 Paper Number: 1559</p> <p>Title: A NEW APPROACH IN HAIL DETECTION AND PREVENTION</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P5: Clouds and Precipitation</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Artashes Arakelyan, Astghik Hambaryan, Arsen Arakelyan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P23.121 Paper Number: 1560</p> <p>Title: THE TRADEOFF OF ACCURACY WITH DIFFERENT LANDMARKS WITH MANIFOLD LEARNING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P23: Feature Extraction and Reduction VIII</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Zezhong Zheng, Chengjun Pu, Mingcang Zhu, Zhiqin Huang, Yong He, Yicong Feng, Yufeng Lu, Zhenlu Yu, Shengli Wang, Shijie Yu, Jiang Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P35.186 Paper Number: 1561</p> <p>Title: ASSESSMENT OF SOIL MOISTURE USING HJ-1B REMOTELY SENSED DATA AND SYNCHRONOUS EXPERIMENT DATA</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P35: Passive Microwave Soil Moisture III</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Yuxia Li, Lei He, Chunhua Li, Tianren Luo, Li Tang</p>

View ADD <input type="checkbox"/>	Paper Code: THP.P39.217 Paper Number: 1563
	Title: GEOMETRIC CORRECTION ALGORITHM OF UAV REMOTE SENSING IMAGE FOR THE EMERGENCY DISASTER
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: THP.P39: UAV Systems and Sensors
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yuxia Li, Lei He, Xuehui Ye, Dong Guo
View ADD <input type="checkbox"/>	Paper Code: WE3.L5.1 Paper Number: 1564
	Title: LAND COVER MAPPING AND ABOVE GROUND BIOMASS ESTIMATION IN CHINA
	Topic: Invited Sessions: Remote Sensing for Ecology
	Session: WE3.L5: Remote Sensing for Ecology I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Bingfang Wu, Yuan Zeng, Dan Zhao
View ADD <input type="checkbox"/>	Paper Code: WE2.L4.5 Paper Number: 1567
	Title: POLARIMETRIC MICROWAVE IMAGER (PMI) FOR GLOBAL WATER CYCLE OBSERVATION MISSION (WCOM)
	Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress
	Session: WE2.L4: Water Cycle Observation Mission (WCOM): Development and Progress II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Zhenzhan Wang, Bin Li, Jingyi Liu, Hao Lu, Xin Zhao, Yu Zhang, Shengwei Zhang, Xiaobin Yin, Yun Li, Xiaolong Dong, Xinbiao Wang
View ADD <input type="checkbox"/>	Paper Code: MOP.P1.3 Paper Number: 1568
	Title: MICROWAVE INTERFEROMETRIC RADIOMETER WITH UNIFORM CIRCULAR ANTENNA ARRAY
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P1: Aperture Synthesis Radiometry
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Ji Wu, Cheng Zhang, Hao Liu, Jingye Yan
View ADD <input type="checkbox"/>	Paper Code: TH3.L11.3 Paper Number: 1571
	Title: SPATIAL AND TEMPORAL DISTRIBUTION OF AEROSOL PROPERTIES IN BRAZIL, CHINA, AUSTRALIA AND CANADA DURING 2000-2012

	<p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: TH3.L11: Air Pollution</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Ying Li, Xue Yong, Guang Jie, Linlu Mei</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L4.5 Paper Number: 1572</p> <p>Title: SOIL MOISTURE RETRIEVAL IN WELL COVERED FARMLAND BY RADARSAT-2 SAR DATA</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TU4.L4: Radar Soil Moisture I</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Jibo Yue, Guijun Yang, Xiudong Qi, Yanjie Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L11.4 Paper Number: 1573</p> <p>Title: MAPPING PM2.5 DISTRIBUTION IN CHINA BY FUSING STATION MEASUREMENTS AND SATELLITE OBSERVATION</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: TH3.L11: Air Pollution</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Tongwen Li, Huanfeng Shen, Liangpei Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P33.210 Paper Number: 1575</p> <p>Title: MODELLING OF LUNAR CRATER EJECTA EXTENT FOR HIGHLAND AND MARE USING MINI-RF DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P33: SAR Imaging Techniques VI</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Ami Desai, Shiv Mohan, S.V.S Murty</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P40.216 Paper Number: 1578</p> <p>Title: AN EXPERIMENTAL INVESTIGATION ON THE RELATIONSHIP OF NET RADIATION AND SOIL HEAT FLUX ON BARE LAND</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P40: Soil Properties I</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Sujuan Mi, Hongbo Su, Renhua Zhang, Jing Tian, Shaohui Chen, Lijun Yang, Hong Liang, Weimin Wang</p>

View ADD <input type="checkbox"/>	Paper Code: WE1.L5.3 Paper Number: 1581
	Title: A METHOD FOR KERNEL-DRIVEN MODEL TO CORRECT THE BLENDED HEMISPHERICAL DIFFUSE IRRADIANCE IN MULTI-ANGLE MEASUREMENTS
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: WE1.L5: Vegetation Monitoring by Optical Instruments I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Yadong Dong, Ziti Jiao, Dandan He, Yang Li, Xiaoning Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P2.12 Paper Number: 1583
	Title: JOINT FEATURE AND KNOWLEDGE RULE-BASED AUTOMATIC RECOGNITION OF BRIDGE OVER WATER
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P2: Building Features Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Lin Sang, Ye Zhang, Yiming Yan
View ADD <input type="checkbox"/>	Paper Code: MOP.P9.52 Paper Number: 1584
	Title: Evaluation and comparison of newest GPM and TRMM products over Mekong River basin at daily scale
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P9: Clouds and Precipitation: TRMM/GPM
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Wei Wang, Hui Lu
View ADD <input type="checkbox"/>	Paper Code: TH1.L12.3 Paper Number: 1586
	Title: THE SWIM INSTRUMENT, A WAVE SCATTEROMETER ON CFOSAT MISSION
	Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations
	Session: TH1.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Thomas Grelier, Thierry Amiot, Céline Tison, Lauriane Delaye, Danièle Hauser, Patrick Castillan
View ADD <input type="checkbox"/>	Paper Code: FR3.L11.1 Paper Number: 1588
	Title: AUTOMATIC CLOUD AND CLOUD SHADOW DETECTION IN GF-1 WFV IMAGERY USING MULTIPLE FEATURES

	<p>Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics</p> <p>Session: FR3.L11: Interdisciplinary Topics</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Zhiwei Li, Huanfeng Shen, Huifang Li, Liangpei Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L9.5 Paper Number: 1590</p> <p>Title: MAPPING SUBMERGED AQUATIC VEGETATION IN ALBEMARLE SOUND, NORTH CAROLINA, USA USING LANDSAT-8 AND SONAR DATA</p> <p>Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies</p> <p>Session: WE2.L9: Advances in Bathymetric and Oceanographic Lidar Studies II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Xuelian Luo, Yong Wang, Joseph Luczhovich</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L6.1 Paper Number: 1592</p> <p>Title: AN AUTOMATED METHOD FOR TIME-SERIES HUMAN SETTLEMENT MAPPING USING LANDSAT DATA AND EXISTING LAND COVER MAPS</p> <p>Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas</p> <p>Session: TU2.L6: Remote Sensors and Sensing of Urban Areas II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Hiroyuki Miyazaki, Masahiko Nagai, Ryosuke Shibasaki</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P29.161 Paper Number: 1593</p> <p>Title: EFFECT OF EMISSIVITY ON SHIPBOARD SEA SURFACE SKIN TEMPERATURE MEASUREMENTS</p> <p>Topic: Oceans: Ocean Temperature and Salinity</p> <p>Session: WEP.P29: Ocean Temperature and Salinity</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Minglun Yang, Lei Guan, Kailin Zhang, Liqin Qu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L6.2 Paper Number: 1594</p> <p>Title: AN OVERVIEW TO REMOTELY SENSED DISPLACEMENT MEASUREMENTS FUSION: CURRENT STATUS AND CHALLENGES</p> <p>Topic: Invited Sessions: Data Fusion</p> <p>Session: WE2.L6: Data Fusion II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p>

	Authors: Yajing Yan, Amaury Dehecq, Emmanuel Trouvé, Gilles Mauris, Noel Gourmelen, Flavien Vernier
View ADD <input type="checkbox"/>	Paper Code: WEP.P1.1 Paper Number: 1595
	Title: TWO-WAVELENGTH DEPOLARIZATION MIE LIDAR FOR TROPOSPHERIC AEROSOL MEASUREMENTS
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P1: Aerosols and Atmospheric Chemistry III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Miao Zhang, Ge Han, Jia Sun, Wei Gong
View ADD <input type="checkbox"/>	Paper Code: WEP.P4.23 Paper Number: 1596
	Title: A NEW AIR POLLUTION SOURCES IDENTIFICATION METHOD BASED ON REMOTELY SENSED AEROSOL AND SWARM INTELLIGENCE
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P4: Air Pollution
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yunping Chen, Weihong Han, Wenhuan Wang, Yajv Xiong, Tong Ling
View ADD <input type="checkbox"/>	Paper Code: THP.P13.70 Paper Number: 1600
	Title: IMPACT OF AMBIENT IRRADIANCE ON DETERMINATION OF SOIL EMISSIVITY FOR FIELD MEASUREMENTS
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P13: Ground Based Radar and Optical Systems
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Chunlei Wang, Bo-Hui Tang, Hua Wu, Rong-Lin Tang, Zhao-Liang Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P16.94 Paper Number: 1603
	Title: IMPROVING UNSUPERVISED FLOOD DETECTION WITH SPATIO-TEMPORAL CONTEXT ON HJ-1B CCD DATA
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P16: Floods
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xiaoyi Liu, Jiancheng Li, Hichem Sahli, Yu Meng, Qingqing Huang

View ADD <input type="checkbox"/>	Paper Code: THP.P8.38 Paper Number: 1607
	Title: JOINT APPLICATION OF DINSAR AND GROUND MEASUREMENTS: A CASE STUDY ON DUMP STABILITY ANALYSIS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P8: Differential SAR Interferometry IV
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Lianhuan Wei, Shanjun Liu, Yachun Mao, Ru Wang, Lixin Wu, Jinyan Xu

View ADD <input type="checkbox"/>	Paper Code: MOP.P30.190 Paper Number: 1608
	Title: DEMONSTRATION OF BACKPROJECTION ALGORITHM FOR ISAR IMAGE FORMATION WITH FMCW RADAR
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P30: SAR Imaging Techniques IV
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Ashish Kumar Roy, Shashikala Achyut Gangal, Chinmoy Bhattacharya

View ADD <input type="checkbox"/>	Paper Code: TU3.L5.1 Paper Number: 1609
	Title: THE POLARIZED DIFFERENTIAL EXTINCTION COEFFICIENT WITH FREQUENCY DETERMINED BY MORPHOLOGICAL CHARACTERISTICS OF FOREST VEGETATION
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: TU3.L5: Radar Forestry
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Chufeng Hu, Nanjing Li, Weijun Chen

View ADD <input type="checkbox"/>	Paper Code: WEP.P15.84 Paper Number: 1612
	Title: ACCURATE PARAMETER ESTIMATION USING ROTATIONAL INVARIANCE TECHNIQUES FOR SYNTHETIC APERTURE RADARS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P15: Estimation and Regression Techniques
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Tao Chen, Yongfei Ding, Ruifan Pang, Cheng Gong, Dinghai Xu, Hengyang Zhang

View	Paper Code: TUP.P41.221 Paper Number: 1613
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ADD <input type="checkbox"/>	Title: TEMPERATURE DEPENDENT MULTI-RELAXATION SPECTROSCOPIC DIELECTRIC MODEL FOR AN ARCTIC SILT CLAY LOAM SOIL THAWED AND FROZEN AT 0.1-15 GHZ
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P41: Soil Properties II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Valery Mironov, Ilya Molostov, Andrey Karavaysky

View ADD <input type="checkbox"/>	Paper Code: TU1.L2.1 Paper Number: 1616
	Title: STREETLAMP EXTRACTION AND IDENTIFICATION FROM MOBILE LIDAR POINT CLOUD SCENES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TU1.L2: LIDAR Feature Extraction and Analysis
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Xitong Zhang, Huiyun Liu, Yongqiang Li, Zhenzhen Wu, Jie Mao, Yangyang Liu

View ADD <input type="checkbox"/>	Paper Code: MOP.P25.142 Paper Number: 1617
	Title: ANALYZING GLACIER SURFACE VELOCITIES WITH COSMO_SKYMED DATA INSAR, PARLUNGZANGBO RIVER BASIN, SOUTHEAST TIBET
	Topic: Data Management and Education: Remote Sensing Data and Policy Decisions
	Session: MOP.P25: Remote Sensing Data and Policy Decisions
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Lanyu Li, Changqing Ke

View ADD <input type="checkbox"/>	Paper Code: MOP.P17.96 Paper Number: 1618
	Title: ROBUST KERNEL BASED FUZZY CLASSIFICATION APPROACH FOR PADDY RICE FIELD MAPPING USING TEMPORAL LANDSAT 8 DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P17: Land Cover Mapping
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Ridhika Aggarwal, Anil Kumar, G. Byju, K. R. Manjunath, P. L. N. Raju, A. Senthil Kumar

View ADD <input type="checkbox"/>	Paper Code: FR2.L6.1 Paper Number: 1620
	Title: SUPERRESOLUTION OF HYPERSPECTRAL IMAGES USING SPECTRAL UNMIXING AND SPARSE REGULARIZATION

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR2.L6: Hyperspectral Pansharpening</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Zahra Hashemi Nezhad, Azam Karami, Rob Heylen, Paul Scheunders</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P35.190Paper Number: 1625</p> <p>Title: Geostatistical scaling of land surface parameters with spatial heterogeneities in the validation of remote sensing products</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P35: Passive Microwave Soil Moisture III</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Yong Ge, Jianghao Wang, Xin Li, Shaoming Liu, Yan Jin, Mengxiao Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P32.173Paper Number: 1627</p> <p>Title: TREE HEIGHT ESTIMATION AT PLATEAU MOUNTAINS, NORTHWESTERN SICHUAN, CHINA USING DUAL POL-INSAR DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: WEP.P32: POL and POLInSAR III</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Huimin Li, Yong Wang, Xuelian Luo</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P12.62Paper Number: 1629</p> <p>Title: FUSION OF SCIAMACHY AND GOME-2 SATELLITE SUN-INDUCED FLUORESCENCE DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P12: Data Fusion Applications: Vegetation</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Lian Song, Yongguang Zhang, Xin Qian</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P8.45Paper Number: 1630</p> <p>Title: TOWARD A GENERAL METHOD FOR DETECTING CLOUDS AND SHADOWS IN OPTICAL REMOTE SENSING IMAGERY</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P8: Clouds and Precipitation: Satellite Remote Sensing II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p>

	Authors: Tianxing Wang, Jiancheng Shi, Guangjian Yan, Bo Gao, Ling Chen, Dabin Ji, Chuan Xiong, Tianjie Zhao
View ADD <input type="checkbox"/>	Paper Code: FR1.L8.2 Paper Number: 1631
	Title: EVALUATION OF A UAV-BASED HYPERSPECTRAL FRAME CAMERA FOR MONITORING THE LEAF NITROGEN CONCENTRATION IN RICE
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: FR1.L8: UAV Systems and Sensors
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Hengbiao Zheng, Xiang Zhou, Tao Cheng, Xia Yao, Yongchao Tian, Weixing Cao, Yan Zhu
View ADD <input type="checkbox"/>	Paper Code: THP.P33.184 Paper Number: 1633
	Title: SPECTRAL LIBRARY PRUNING METHOD IN HYPERSPECTRAL SPARSE UNMIXING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P33: Spectral Unmixing Techniques I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Honglei Lin, Xia Zhang, Weichao Sun
View ADD <input type="checkbox"/>	Paper Code: TUP.P26.139 Paper Number: 1634
	Title: MATCHING PURIFIED BASED ON SINGULAR VALUE DECOMPOSITION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P26: Image and Feature Match
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yang Dong, Dazhao Fan, Song Ji
View ADD <input type="checkbox"/>	Paper Code: WEP.P33.179 Paper Number: 1637
	Title: STUDY ON THE IMPACT OF POLARIMETRIC CALIBRATION ERRORS ON TERRAIN CLASSIFICATION WITH POLINSAR
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P33: POL and POLInSAR IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Liying Xu, Wei Li, Lei Cui, Qingwei Tong, Junli Chen
View	Paper Code: THP.P5.23 Paper Number: 1640

ADD <input type="checkbox"/>	<p>Title: RESEARCH ON IONOSPHERIC EFFECTS AND ERROR CALIBRATION FOR L-BAND SPACEBORNE D-INSAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: THP.P5: Differential SAR Interferometry I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Siyao Du, Anxi Yu, Yongsheng Zhang, Qilei Zhang, Peng Wu, Qingsong Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR1.L12.3Paper Number: 1641</p> <p>Title: MONITORING OF THERMAL PLUME DISCHARGED FROM THERMAL AND NUCLEAR POWER PLANTS IN EASTERN CHINA USING SATELLITE IMAGES</p> <p>Topic: Oceans: Coastal Zones</p> <p>Session: FR1.L12: Coastal Zones</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Xiaoyan Dai, Zhongyang Guo, Yihui Chen, Pin Ma, Chen Chen</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH4.L1.3Paper Number: 1642</p> <p>Title: SPECTRUM ANALYSIS OF SAR IMAGE IN POLAR GRID SYSTEM FOR BACK PROJECTION ALGORITHM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH4.L1: SAR Imaging Techniques VI</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Song Zhou, Lei Yang, Lifan Zhao, Guoan Bi</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR3.L9.3Paper Number: 1643</p> <p>Title: COMPARISON OF THE MULTI-PATH EFFECT BETWEEN TRIMBLE R7 AND TOPCON NET-G3A</p> <p>Topic: Mission, Sensors and Calibration: Ground based Systems</p> <p>Session: FR3.L9: Ground Based Sensing</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Zhige Jia, Zhengsong Chen, Pengfei Yu, Mu Lin, Xiaoli Liu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P39.221Paper Number: 1645</p> <p>Title: UAV IMAGE REGISTRATION ALGORITHM BASED ON OVERLAPPING REGION DETRCTION</p> <p>Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms</p> <p>Session: THP.P39: UAV Systems and Sensors</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p>

	Authors: Li Tang, Yuxia Li, Ling Tong, Lei He, Tianren Luo, Dong Guo
View ADD <input type="checkbox"/>	Paper Code: MOP.P15.87 Paper Number: 1646
	Title: ESTIMATION OF CLUMPING INDEX AND LAI FROM TERRESTRIAL LIDAR DATA
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P15: Forest Monitoring by Radar and Lidar
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yunfei Bao
View ADD <input type="checkbox"/>	Paper Code: TH3.L4.1 Paper Number: 1649
	Title: IMAGING SUBSURFACE SOIL MOISTURE DYNAMICS USING TOMOGRAPHIC PROFILING: OBSERVATIONS AND MODELLING
	Topic: Land Applications: Soils and Soil Moisture
	Session: TH3.L4: New Approaches to Soil Moisture
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Simon Zwieback, Irena Hajsek, Alexander Edwards-Smith, Keith Morrison
View ADD <input type="checkbox"/>	Paper Code: WEP.P11.64 Paper Number: 1650
	Title: DIRECTION-OF-ARRIVAL ESTIMATION FOR COHERENT SOURCES VIA SPARSE BAYESIAN LEARNING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P11: Estimation and Regression Applications: Denoising
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zhongguo Lu, Jing Yu, Shunsheng Zhang, Xianyang Hu, Wen-Qin Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P9.48 Paper Number: 1651
	Title: GABOR-BASED ACTIVE LEARNING FOR HYPERSPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P9: Classification of Hyperspectral Image IV
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jie Hu, Chenying Liu, Lin He, Jun Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P14.79 Paper Number: 1653
	Title: RETRIEVAL OF CANOPY WATER CONTENT USING OBJECTIVE BASED METHOD

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P14: Estimation and Regression Applications: Vegetation</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Dasong Xu, Binbin He, Xingwen Quan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L10.1Paper Number: 1654</p> <p>Title: MONITORING PERMAFROST AND THERMOKARST PROCESSES WITH TANDEM-X DEM TIME SERIES: OPPORTUNITIES AND LIMITATIONS</p> <p>Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities</p> <p>Session: MO4.L10: TanDEM-X: Mission Status and Science Activities II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Simon Zwieback, Annett Bartsch, Julia Boike, Guido Grosse, Frank Guenther, Birgit Heim, Anne Morgenstern, Irena Hajnsek</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P42.228Paper Number: 1659</p> <p>Title: A COGNITIVE FEATURE EXTRACTING METHOD FOR SPACE TARGET</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P42: Spectral Analysis and Feature Extraction</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Yijun Chen, Qun Zhang, Hua Jiang, Ying Luo, Yong-an Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P17.88Paper Number: 1660</p> <p>Title: USING CNN-BASED HIGH-LEVEL FEATURES FOR REMOTE SENSING SCENE CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P17: Deep, Semi-supervised, and Ensemble Learning for Image Classification</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Zhengzheng Fang, Wei Li, Jinyi Zou, Qian Du</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L12.1Paper Number: 1661</p> <p>Title: Multi-Frequency and Multi-Polarization Analysis of Oil slicks using TerraSAR-X and RADARSAT-2 data</p> <p>Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations</p>

	<p>Session: WE4.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Suman Singha, Rudolf Ressel, Susanne Lehner</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L6.5 Paper Number: 1663</p> <p>Title: A NEW METHOD OF MINERAL ABSORPTION FEATURE EXTRACTION FROM VEGETATION COVERED AREA</p> <p>Topic: Invited Sessions: Minerals and Hydrocarbons</p> <p>Session: TH4.L6: Minerals and Hydrocarbons II</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Hengqian Zhao, Lifu Zhang, Xuesheng Zhao, Hang Yang, Keming Yang, Xia Zhang, Shudong Wang, Hao Sun</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P8.43 Paper Number: 1664</p> <p>Title: PARALLEL COLLABORATIVE REPRESENTATION FOR HYPERSPECTRAL IMAGE CLASSIFICATION ON GPUS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P8: Classification of Hyperspectral Image III</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Lucheng Wu, Xiaoming Xie, Wei Li, Qian Du</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P28.175 Paper Number: 1667</p> <p>Title: RECEIVER DISPOSITION OPTIMIZATION IN DISTRIBUTED PASSIVE RADAR IMAGING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P28: SAR Imaging Techniques II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xianyang Hu, Shunsheng Zhang, Zhongguo Lu, Wen-Qin Wang, Jinyu Xiong</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L10.3 Paper Number: 1670</p> <p>Title: Subaperture Analysis of Polarimetric SAR Data for Iceberg Detection</p> <p>Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction</p> <p>Session: TH2.L10: Advanced Methods for Polarimetric SAR Information Extraction II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p>

	Authors: Vahid Akbari, Anthony Paul Doulgeris, Camilla Brekke
View ADD <input type="checkbox"/>	Paper Code: FR1.L5.5 Paper Number: 1671
	Title: ANALYSIS OF THE INTERACTION BETWEEN ELECTROMAGNETIC WAVE AND CEREAL PARAMETERS AT ROW AND COLUMN DIRECTIONS
	Topic: Land Applications: Agriculture
	Session: FR1.L5: Radar and Hyperspectral Remote Sensing for Crop Parameters
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Lei He, Ling Tong, Yuxia Li, Yan Chen
View ADD <input type="checkbox"/>	Paper Code: WEP.P11.65 Paper Number: 1672
	Title: TWO-DIMENSIONAL DIRECTION-OF-ARRIVAL ESTIMATION OF NON-CIRCULAR SIGNALS USING ONE SNAPSHOT
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P11: Estimation and Regression Applications: Denoising
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Qingqing Lin, Liangwei Huang, Ping Shuai
View ADD <input type="checkbox"/>	Paper Code: THP.P17.90 Paper Number: 1674
	Title: COAST DOCK EXTRACTION METHOD BASED ON WATERLINE AND PERCEPTUAL ORGANIZATION
	Topic: Oceans: Coastal Zones
	Session: THP.P17: Information Extraction
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jintao Yu, Haitao Guo, Chuanguang Li, Jun Lu
View ADD <input type="checkbox"/>	Paper Code: MOP.P27.172 Paper Number: 1676
	Title: A NOVEL MONOSTATIC SAR HRWS IMAGING SCHEME FOR MARITIME SURVEILLANCE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P27: SAR Imaging Techniques I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jia Cheng Ni, Qun Zhang, Kai Wang, Fu-fei Gu, Ying Luo
View ADD <input type="checkbox"/>	Paper Code: MOP.P19.109 Paper Number: 1677
	Title: OCO-2 XCO2 VALIDATION USING TCCON DATA
	Topic: Mission, Sensors and Calibration: Satellite Missions

	Session: MOP.P19: Microwave and Optical Calibration Time: Monday, July 11, 17:20 - 19:00 Authors: Ailin Liang, Wei Gong, Ge Han
View ADD <input type="checkbox"/>	Paper Code: THP.P40.227 Paper Number: 1678 Title: RESEARCH ON THE INCOMPLETE POINT CLOUD DATA REPAIRING OF THE LARGE-SCALE SCENE BUILDINGS Topic: Land Applications: Urban and Built Environment Session: THP.P40: Urban Applications I Time: Thursday, July 14, 17:20 - 19:00 Authors: Yongqiang Li, Lixue Li, Lubiao Niu, Tengda Huang, Youpeng Li
View ADD <input type="checkbox"/>	Paper Code: TUP.P32.170 Paper Number: 1681 Title: VALIDATING SUOMI NPP VIIRS IMAGERY BAND REPROCESSING USING CLOUD CLIMATOLOGY OVER BEIJING METROPOLITAN AREA Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration Session: TUP.P32: Optical Sensors and Calibration I Time: Tuesday, July 12, 17:20 - 19:00 Authors: Wenhui Wang, Changyong Cao
View ADD <input type="checkbox"/>	Paper Code: THP.P28.155 Paper Number: 1685 Title: UNWRAPPED PHASE ESTIMATION VIA MAXIMUM LIKELIHOOD PRINCIPLE FOR MULTI-BASELINE SAR INTERFEROMETRY Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across Session: THP.P28: SAR Interferometry I Time: Thursday, July 14, 17:20 - 19:00 Authors: Yanan You, Huaping Xu, Chunsheng Li
View ADD <input type="checkbox"/>	Paper Code: MOP.P8.46 Paper Number: 1688 Title: Product algorithm testbed of China new generation geostationary meteorological satellite (FengYun-4) imager Topic: Atmosphere Applications: Precipitation and Clouds Session: MOP.P8: Clouds and Precipitation: Satellite Remote Sensing II Time: Monday, July 11, 17:20 - 19:00 Authors: Min Min, Na Xu, Fu Wang
View	Paper Code: MOP.P29.186 Paper Number: 1691

ADD <input type="checkbox"/>	<p>Title: GROUND MOVING TARGET DETECTION IN MIMO-SAR SYSTEM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P29: SAR Imaging Techniques III</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Dong Yang, Xi Yang, Xiaomin Tan, Hongxing Dang, Kai Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P25.141Paper Number: 1695</p> <p>Title: ICE, ICE, BABY INQUIRY-BASED, HANDS-ON ACTIVITIES AND LESSONS FOR UNDERSTANDING THE DYNAMICS OF POLAR ICE SHEETS IN SEA LEVEL RISE</p> <p>Topic: Data Management and Education: Remote Sensing Data and Policy Decisions</p> <p>Session: MOP.P25: Remote Sensing Data and Policy Decisions</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jennah Seaver, Krystle Barnett, Cheri Hamilton, Darryl Monteau</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P29.159Paper Number: 1696</p> <p>Title: INTERFACE PROPAGATION METHOD IN PHASE UNWRAPPING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: THP.P29: SAR Interferometry II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Jian Gao, Jun Li, Lei Shi</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR4.L6.1Paper Number: 1697</p> <p>Title: Satellite Remote Sensing Image Super Resolution based on Markov Random Fields</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR4.L6: Super-resolution</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Zhi-Zhong Wang, Qing-Jun Zhang, Xiaolei Han</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU4.L5.5Paper Number: 1699</p> <p>Title: WALKING WITH GREEN SCENERY: EXPLORING STREET-LEVEL GREENERY IN TERMS OF VISUAL PERCEPTION</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p>

	<p>Session: TU4.L5: Forest Monitoring by Lidar and Multispectral Techniques</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Jiahui Zhang, Qingyan Meng, Ying Zhang, Yunxiao Sun, Linlin Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P38.211 Paper Number: 1701</p> <p>Title: Volcanic Eruptive-Column (Plume) Elevation Model and its Velocity Derived From Landsat 8</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping</p> <p>Session: THP.P38: Tomography and 3D Mapping II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Marcello de Michele, Daniel Raucoules, Þórður Arason</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L1.5 Paper Number: 1703</p> <p>Title: NEAR-FIELD CROSS SECTION IMAGING BASED ON 2-D NUFFT FOR MILLIMETER WAVE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH4.L1: SAR Imaging Techniques VI</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Yingzhi Kan, Yongfeng Zhu, Liang Tang, Hongzhong Zhao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P14.78 Paper Number: 1704</p> <p>Title: SYNERGISTIC USE OF AIRBORNE LIDAR AND SPOT DATA FOR ESTIMATING CANOPY LEAF AREA INDEX OF CONIFEROUS FOREST</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P14: Estimation and Regression Applications: Vegetation</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Wang Li, Zheng Niu, Cheng Wang, Shuai Gao, Dong Li, Mingquan Wu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L6.5 Paper Number: 1705</p> <p>Title: A GUIDED FILTERING AND HCT INTEGRATED PANSHARPENING METHOD FOR WORLDVIEW-2 SATELLITE IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR4.L6: Super-resolution</p> <p>Time: Friday, July 15, 15:40 - 17:20</p>

	Authors: Weifeng Qi, Xu Li, Shigang Yue
View ADD <input type="checkbox"/>	Paper Code: TUP.P3.14 Paper Number: 1706
	Title: MONITORING AND PREDICTING THE CHANGES OF VEGETATION COVERAGE IN SHIJIAZHUANG FROM 1995 TO 2015
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P3: Analysis of Multitemporal Optical Images
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ying-kun Du, Qin Yan, Cheng-feng Luo
View ADD <input type="checkbox"/>	Paper Code: WEP.P7.35 Paper Number: 1708
	Title: Equivalent validation of beam footprint detection for non-cooperative bistatic SAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Bistatic and digital beamforming SAR
	Session: WEP.P7: Bistatic and Digital Beamforming SAR II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Feifei Yan, Wenge Chang, Xiangyang Li
View ADD <input type="checkbox"/>	Paper Code: TU1.L11.2 Paper Number: 1709
	Title: UNCERTAINTIES ASSOCIATED WITH THE IMERG MULTI-SATELLITE PRECIPITATION PRODUCT
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU1.L11: Clouds and Precipitation: TRMM/GPM
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Sana Khan, Viviana Maggioni, Leonardo Porcaccia
View ADD <input type="checkbox"/>	Paper Code: TH3.L1.3 Paper Number: 1710
	Title: A COMPRESSIVE SENSING APPROACH FOR SKEW-VIEW SAR IMAGING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: TH3.L1: SAR Imaging Techniques V
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Xiao-Chun Xie, Lingjuan Yu
View ADD <input type="checkbox"/>	Paper Code: TU4.L6.1 Paper Number: 1712
	Title: THE DATA FUSION CONTEST 2016: VERY HIGH TEMPORAL RESOLUTION FROM SPACE
	Topic: Invited Sessions: IEEE GRSS Data Fusion Contest

	Session: TU4.L6: IEEE GRSS Data Fusion Contest
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Devis Tuia, Gabriele Moser, Bertrand Le Saux
View ADD <input type="checkbox"/>	Paper Code: TH4.L3.5 Paper Number: 1714
	Title: MAPPING SNOW-ALGAE IN ANTARCTIC PENINSULA WITH MULTI-TEMPORAL SATELLITE REMOTE SENSING DATA
	Topic: Advancing the Understanding of Our Living Planet: Global Change Study
	Session: TH4.L3: Global Change Study
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Mazlan Hashim, Syarifuddin Misbari, Nadzri Mohd Reba, Mohd Firdaus Abdul-Wahab, Amin Beirvand Pour, Mohd Farid Muhamad Said, Abdul Hafidz Omar, Kamaruzaman Soeed
View ADD <input type="checkbox"/>	Paper Code: TU4.L6.2 Paper Number: 1715
	Title: SPATIOTEMPORAL SCENE INTERPRETATION OF SPACE VIDEOS VIA DEEP NEURAL NETWORK AND TRACKLET ANALYSIS
	Topic: Invited Sessions: IEEE GRSS Data Fusion Contest
	Session: TU4.L6: IEEE GRSS Data Fusion Contest
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Lichao Mou, Xiao Xiang Zhu
View ADD <input type="checkbox"/>	Paper Code: THP.P39.218 Paper Number: 1716
	Title: REMOTE SENSING ARCHEOLOGICAL SITES THROUGH UNMANNED AERIAL VEHICLE (UAV) IMAGING
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: THP.P39: UAV Systems and Sensors
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Cornelius Holness, Tatyana Matthews, Khaliq Satchell, Edward Clay Swindell
View ADD <input type="checkbox"/>	Paper Code: TU4.L6.3 Paper Number: 1718
	Title: Simultaneous Registration, Segmentation and Change Detection from Multisensor, Multitemporal Satellite Image Pairs
	Topic: Invited Sessions: IEEE GRSS Data Fusion Contest
	Session: TU4.L6: IEEE GRSS Data Fusion Contest
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Maria Vakalopoulou, Christos Platias, Maria Papadomanolaki, Nikos Paragios, Konstantinos Karantzalos

View ADD <input type="checkbox"/>	Paper Code: FR3.L12.5 Paper Number: 1719
	Title: DETECTION AND STUDY OF THE POLAR LOWS OVER THE ARCTIC SEA ICE EDGE
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR3.L12: Marine Pollution and Disasters
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Elizaveta Zabolotskikh, Irina Gurchich, Alexander Myasoedov, Bertrand Chapron
View ADD <input type="checkbox"/>	Paper Code: TU4.L6.4 Paper Number: 1720
	Title: Sensor-agnostic photogrammetric image registration with applications to population modeling
	Topic: Invited Sessions: IEEE GRSS Data Fusion Contest
	Session: TU4.L6: IEEE GRSS Data Fusion Contest
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Dave Kelbe, Devin White, Andrew Hardin, Jessica Moehl, Melanie Phillips
View ADD <input type="checkbox"/>	Paper Code: TU4.L6.5 Paper Number: 1721
	Title: BUILDING EXTRACTION FROM MULTI-SOURCE REMOTE SENSING IMAGES VIA DEEP DECONVOLUTION NEURAL NETWORKS
	Topic: Invited Sessions: IEEE GRSS Data Fusion Contest
	Session: TU4.L6: IEEE GRSS Data Fusion Contest
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Zuming Huang, Guangliang Cheng, Hongzhen Wang, Haichang Li, Limin Shi, Chunhong Pan
View ADD <input type="checkbox"/>	Paper Code: TU3.L12.2 Paper Number: 1723
	Title: NON-BRAGG SCATTERING CONTRIBUTIONS TO THE DUAL-POLARIZED SAR IMAGING OF HURRICANE EARL
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: TU3.L12: Remote Sensing of High Winds
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Guosheng Zhang, Xiaofeng Li, Biao Zhang, William Perrie
View ADD <input type="checkbox"/>	Paper Code: TUP.P32.171 Paper Number: 1724
	Title: INTERCALIBRATION OF IRAS/FY-3B INFRARED CHANNELS WITH IASI/METOP-A 1C DATA

	<p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TUP.P32: Optical Sensors and Calibration I</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Geng-Ming Jiang, Zhongyi Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L10.2 Paper Number: 1728</p> <p>Title: MITIGATION OF REFLECTION SYMMETRY ASSUMPTION AND NEGATIVE POWER PROBLEMS FOR THE MODEL BASED DECOMPOSITION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR3.L10: SAR Polarimetry I</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Hongzhong Li, Qingquan Li, Guofeng Wu, Jinsong Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L5.1 Paper Number: 1731</p> <p>Title: USE OF A DIGITAL CAMERA ONBOARD A UAV TO MONITOR SPRING PHENOLOGY AT INDIVIDUAL TREE LEVEL</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: WE1.L5: Vegetation Monitoring by Optical Instruments I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Elias Berra, Rachel Gaulton, Stuart Barr</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L6.4 Paper Number: 1733</p> <p>Title: A NOVEL APPROACH FOR DETECTING INTERSECTIONS FROM GPS TRACES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science</p> <p>Session: TU3.L6: Geographic Information Science</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Xingzhe Xie, Wenzhi Liao, Hamid Aghajan, Peter Veelaert, Wilfried Philips</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P19.108 Paper Number: 1735</p> <p>Title: UPDATE ON GLOBAL LAND HYPERSPECTRAL IR EMISSIVITY DATABASE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science</p> <p>Session: WEP.P19: Geographic Information Science I</p>

	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Daniel Zhou, Allen Larar, Xu Liu
View ADD <input type="checkbox"/>	Paper Code: TUP.P5.22 Paper Number: 1737
	Title: ENHANCED DISPARITY MAPS FROM MULTI-VIEW SATELLITE IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P5: Analysis of Multi-view Data
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Alaeldin Suliman, Yun Zhang, Raid Al-Tahir
View ADD <input type="checkbox"/>	Paper Code: TU4.L8.1 Paper Number: 1739
	Title: EVALUATION OF VIIRS DAILY BRDF, ALBEDO, AND NBAR PRODUCT USING THE MODIS COLLECTION V006 PRODUCT AND IN SITU MEASUREMENTS
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TU4.L8: Passive Optical: validation and calibration
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Yan Liu, Qingsong Sun, Zhuosen Wang, Crystal Schaaf, Angela Erb
View ADD <input type="checkbox"/>	Paper Code: TU3.L10.3 Paper Number: 1743
	Title: SIMPLIFIED BISTATIC SAR IMAGING WITH A FIXED RECEIVER AND TERRASAR-X AS TRANSMITTER OF OPPORTUNITY - FIRST RESULTS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Bistatic and digital beamforming SAR
	Session: TU3.L10: Bistatic and Digital Beamforming SAR I
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Andrei Anghel, Remus Cacoveanu, Adrian-Septimiu Moldovan, Anca-Andreea Popescu, Mihai Datcu, Florin Serban
View ADD <input type="checkbox"/>	Paper Code: TU4.L12.1 Paper Number: 1746
	Title: COMBINED ACTIVE / PASSIVE RETRIEVALS OF OCEAN VECTOR WINDS AND SALINITIES FROM SMAP
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: TU4.L12: Ocean Surface Winds
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Alexander Fore, Simon Yueh, Wenqing Tang, Bryan Stiles, Akiko Hayashi

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P42.236 Paper Number: 1747</p> <p>Title: COMPARATIVE ASSESSMENT OF TWO SOURCE OF LANDSAT TM VEGETATIVE FRACTION COVERAGE FOR MODELING URBAN LATENT HEAT FLUXES</p> <p>Topic: Land Applications: Urban and Built Environment</p> <p>Session: THP.P42: Urban Applications III</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Kai Liu, Hongbo Su, Weimin Wang, Lijun Yang, Hong Liang, Xueke Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L12.1 Paper Number: 1748</p> <p>Title: MECHANISMS FOR RAIN EFFECTS ON SYNTHETIC APERTURE RADAR</p> <p>Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications</p> <p>Session: TU2.L12: SAR Remote Sensing for Ocean Applications II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: William Perrie, Guosheng Zhang, Biao Zhang, Xiaofeng Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L1.2 Paper Number: 1749</p> <p>Title: ROBUST AND EFFICIENT INSAR DEFORMATION TIME SERIES PROCESSING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: WE1.L1: SAR Interferometry I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Howard Zebker, Yujie Zheng</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L6.3 Paper Number: 1750</p> <p>Title: COUPLING OF EARTH SCIENCE MODELS AND EARTH OBSERVATIONS THROUGH OGC INTEROPERABILITY SPECIFICATIONS</p> <p>Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems</p> <p>Session: WE3.L6: Advancing Interoperability for Geoscience Information Systems I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Liping Di, Ziheng Sun, Eugene Yu, Jia Song, Daniel Tong, Haosheng Huang, Xiaoqing Wu, Ben Domenico</p>
<p>View</p>	<p>Paper Code: WE3.L4.1 Paper Number: 1751</p>

ADD <input type="checkbox"/>	<p>Title: SATELLITE-BASED SOIL MOISTURE VALIDATION AND FIELD EXPERIMENTS; SKYLAB TO SMAP</p> <p>Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks</p> <p>Session: WE3.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Thomas Jackson, Jean-Pierre Wigneron, Yann Kerr, Michael Cosh, Andreas Colliander, Jeffrey Walker, Rajat Bindlish</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L8.3 Paper Number: 1752</p> <p>Title: COMMUNITY SATELLITE PROCESSING PACKAGE FROM DIRECT BROADCAST: PROVIDING REAL-TIME SATELLITE DATA TO EVERY CORNER OF THE WORLD</p> <p>Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet</p> <p>Session: TH2.L8: International Operational Satellite Missions to Monitor the Planet II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Allen Huang, Liam Gumley, Kathy Strabala, Scott Mindock, Ray Garcia, Graeme Martin, Geoff Cureton, James Davies, Nick Bearson, Jessica Braum, Rebecca Cintineo, Marek Rogal, Mitch Goldberg</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO3.L4.1 Paper Number: 1754</p> <p>Title: NASA SOIL MOISTURE ACTIVE PASSIVE MISSION STATUS AND SCIENCE PERFORMANCE</p> <p>Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission</p> <p>Session: MO3.L4: Observations by the NASA Soil Moisture Active Passive Mission I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Simon Yueh, Dara Entekhabi, Peggy O'Neill, Eni G. Njoku, Jared Entin</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE3.L4.4 Paper Number: 1755</p> <p>Title: TOWARDS VALIDATION OF SMAP: SMAPEX-4 & -5</p> <p>Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks</p> <p>Session: WE3.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p>

	Authors: Nan Ye, Jeffrey Walker, Xiaoling Wu, Thomas Jackson, Luigi Renzullo, Olivier Merlin, Christoph Rüdiger, Dara Entekhabi, Richard de Jeu, Edward Kim
View ADD <input type="checkbox"/>	Paper Code: MOP.P38.243 Paper Number: 1757 Title: USING MATHEMATICAL MORPHOLOGY ON LIDAR DATA TO EXTRACT INFORMATION FROM URBAN VEGETATION Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering Session: MOP.P38: Urban Targets and Roads Time: Monday, July 11, 17:20 - 19:00 Authors: Jiahui Zhang, Sébastien Mavromatis, Qingyan Meng, Jean Sequeira, Yunxiao Sun, Ying Zhang
View ADD <input type="checkbox"/>	Paper Code: TH3.L4.4 Paper Number: 1758 Title: Assessment of Retrieval Errors of AirMOSS Root-Zone Soil Moisture Products Topic: Land Applications: Soils and Soil Moisture Session: TH3.L4: New Approaches to Soil Moisture Time: Thursday, July 14, 13:30 - 15:10 Authors: Alireza Tabatabaenejad, Richard H. Chen, Mahta Moghaddam
View ADD <input type="checkbox"/>	Paper Code: TU3.L7.4 Paper Number: 1759 Title: JOINT-PHYSICS EMISSION-SCATTERING MODEL FOR IMPROVED ACTIVE-PASSIVE SOIL MOISTURE ESTIMATION Topic: Invited Sessions: Physical Models in Microwave Remote Sensing Session: TU3.L7: Physical Models in Microwave Remote Sensing I Time: Tuesday, July 12, 13:30 - 15:10 Authors: Ruzbeh Akbar, Mahta Moghaddam
View ADD <input type="checkbox"/>	Paper Code: MO4.L7.2 Paper Number: 1760 Title: Role of sublimation and evapotranspiration in the continental-scale Lena River basin, eastern Siberia Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration Session: MO4.L7: Remote Sensing of Land Surface Evapotranspiration II Time: Monday, July 11, 15:40 - 17:20 Authors: Kazuyoshi Suzuki
View	Paper Code: MO3.L2.1 Paper Number: 1761 Title: CLODD BASED BAND GROUP SELECTION

ADD <input type="checkbox"/>	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: MO3.L2: Hyperspectral Band Selection and Dimensionality Reduction
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Muhammad Aminul Islam, Derek Anderson, John Ball, Nicolas Younan
View ADD <input type="checkbox"/>	Paper Code: TUP.P1.1 Paper Number: 1762
	Title: DETERMINING THE EFFECT OF SPATIAL RESOLUTION IN LAND USE CLASSIFICATION USING OPTICAL AERIAL IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P1: Aerial Images Analysis and Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Han Jiang, Alex Smith, Zilong Zhong, Jonathan Li
View ADD <input type="checkbox"/>	Paper Code: TU3.L3.2 Paper Number: 1763
	Title: FULLY CONVOLUTIONAL NETWORKS FOR BUILDING AND ROAD EXTRACTION: PRELIMINARY RESULTS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU3.L3: Road and Building Detection
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Zilong Zhong, Jonathan Li, Weihong Cui, Han Jiang
View ADD <input type="checkbox"/>	Paper Code: WEP.P38.212 Paper Number: 1764
	Title: BACKSCATTERING CHARACTERISTICS OF ICE ON LAKE SAROMA OBSERVED BY PALSAR-2 AND PI-SAR-2L
	Topic: Cryosphere: Sea Ice
	Session: WEP.P38: Sea Ice I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Hiroyuki Wakabayashi
View ADD <input type="checkbox"/>	Paper Code: THP.P4.20 Paper Number: 1766
	Title: POST STRATIFICATION ASSESSMENT OF THE NASS AUTOMATED STRATIFICATION METHOD BASED ON THE CROPLAND DATA LAYER
	Topic: Land Applications: Agriculture
	Session: THP.P4: Computational Techniques in Agriculture
	Time: Thursday, July 14, 17:20 - 19:00

	Authors: Claire Boryan, Zhengwei Yang, Robert Seffrin
View ADD <input type="checkbox"/>	Paper Code: TH3.L7.1 Paper Number: 1767
	Title: FENGYUN-3 SERIES METEOROLOGICAL SATELLITE DATA ARCHIVING AND SERVICE SYSTEM
	Topic: Data Management and Education: Data Management and Systems
	Session: TH3.L7: Data Management and Systems
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Zhe Xu, Jianmei Qian, Di Xian, Yonggang Qi
View ADD <input type="checkbox"/>	Paper Code: FR3.L6.2 Paper Number: 1769
	Title: Cloud Filtering for Landsat TM Satellite Images Using Multiple Temporal Mosaicing
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: FR3.L6: Registration of Multisensor Images and Reconstruction
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Yi Guo, Feng Li, Peter Caccetta, Drew Devereux, Mark Berman
View ADD <input type="checkbox"/>	Paper Code: TH2.L12.2 Paper Number: 1770
	Title: SIMULATION AND RETRIEVAL OF CFOSAT AT WHITECAP SEA
	Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations
	Session: TH2.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Xiuzhong Li, Yijun He, Biao Zhang
View ADD <input type="checkbox"/>	Paper Code: TH4.L10.2 Paper Number: 1772
	Title: Riemannian Sparse Coding for Classification of PoSAR Images
	Topic: Invited Sessions: SAR Polarimetry: Theory and Applications
	Session: TH4.L10: SAR Polarimetry: Theory and Applications II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Wen Yang, Neng Zhong, Xiangli Yang, Anoop Cherian
View ADD <input type="checkbox"/>	Paper Code: TUP.P29.155 Paper Number: 1773
	Title: EXAMINING URBAN EXPANSION USING MULTI-TEMPORAL LANDSAT IMAGERY: A CASE STUDY OF MONTREAL CENSUS METROPOLITAN AREA

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P29: Multitemporal Analysis Urban Applications</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: He Zhao, Lingfei Ma, Lanying Wang, Jonathan Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P10.54Paper Number: 1774</p> <p>Title: DAMAGED ROAD EXTRACTION FROM POST-SEISMIC REMOTE SENSING IMAGES BASED ON GIS AND OBJECT-ORIENTED METHOD</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P10: Earthquake</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Qiang Li, Jingfa Zhang, Na Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P31.174Paper Number: 1776</p> <p>Title: A DISPLAY METHOD ALLOCATING SAR IMAGE AND ATI PHASE MAP TO VALUE AND SATURATION, RESPECTIVELY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: THP.P31: SAR Processing and Applications</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Tomoya Yamaoka, Teruyuki Hara</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P12.63Paper Number: 1779</p> <p>Title: A CASCADE STRUCTURE OF AIRCRAFT DETECTION IN HIGH RESOLUTION REMOTE SENSING IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P12: Detection with High Resolution Images</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Bangyu Li, Xiaoguang Cui, Jun Bai</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P32.205Paper Number: 1781</p> <p>Title: Ananalysis and Compensation of Vibration Error of High Frequency Synthetic Aperture Radar</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P32: SAR Imaging Techniques V</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Zhiwei Huang, Zhihua He, Zaoyu Sun, Zhen Dong</p>

View ADD <input type="checkbox"/>	Paper Code: TH2.L7.5 Paper Number: 1783
	Title: URBANIZATION ANALYSIS IN WUHAN AREA FROM 1991 TO 2013 BASED ON MESMA
	Topic: Land Applications: Land Cover Dynamics
	Session: TH2.L7: Land Cover Dynamics
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Anchang Sun, Tao Chen, Ruiqing Niu
View ADD <input type="checkbox"/>	Paper Code: WEP.P11.59 Paper Number: 1784
	Title: DENOISING OF HYPERSPECTRAL IMAGERY USING AN INTRINSIC SPECTRAL REPRESENTATION MODEL WITH SPATIAL SMOOTHNESS CONSTRAINT
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P11: Estimation and Regression Applications: Denoising
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Longshan Yang, Linlin Xu, Xiao Sun, Yuan Fang, Yujia Chen, Junhuan Peng
View ADD <input type="checkbox"/>	Paper Code: WEP.P32.175 Paper Number: 1785
	Title: THE CLASSIFICATION RESULTS INTERPRETATION FOR COMPACT SAR DATA BASED ON PARTIAL POLARIZATION DECOMPOSITION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P32: POL and POLInSAR III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Wangfei Zhang, Yongjie Ji, Leiguang Wang, Wenmei Li, Longhua Yu
View ADD <input type="checkbox"/>	Paper Code: TU4.L3.1 Paper Number: 1786
	Title: SUPER-RESOLUTION RECONSTRUCTION OF HYPERSPECTRAL IMAGERY USING AN SPECTRAL UNMIXING BASED REPRESENTATIONAL MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU4.L3: Hyperspectral Image Analysis and Object Detection
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Xiao Sun, Linlin Xu, Longshan Yang, Yujia Chen, Yuan Fang, Junhuan Peng

View	Paper Code: TH2.L3.1 Paper Number: 1789
ADD <input type="checkbox"/>	Title: COMPARING SUPERVISED ALGORITHMS IN LAND USE AND LAND COVER CLASSIFICATION OF A LANDSAT TIME-SERIES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH2.L3: Analysis of Image Time Series: Optical Sensors II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Thayse Nery, Rohan Sadler, Maria Solis-Aulestia, Ben White, Maksym Polyakov, Morteza Chalak
View	Paper Code: THP.P31.171 Paper Number: 1791
ADD <input type="checkbox"/>	Title: RADAR VIDEO GENERATED FROM SYNTHETIC APERTURE RADAR IMAGE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: THP.P31: SAR Processing and Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Tomoya Yamaoka, Kei Suwa, Teruyuki Hara, Yosuke Nakano
View	Paper Code: TUP.P19.99 Paper Number: 1795
ADD <input type="checkbox"/>	Title: TO RECONSTRUCT HOTSPOT EFFECT FOR MODIS BRDF ARCHETYPES USING A HOTSPOT-CORRECTED KERNEL-DRIVEN BRDF MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P19: Electromagnetic theory: Radar and Optical
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ziti Jiao, Yadong Dong, Hu Zhang
View	Paper Code: WEP.P2.9 Paper Number: 1799
ADD <input type="checkbox"/>	Title: INFLUENCE OF EARTHQUAKE ON THE ATMOSPHERIC AEROSOLS STUDY USING AERONET RETRIEVED AEROSOL OPTICAL DEPTH
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P2: Aerosols and Atmospheric Chemistry IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xiwei Fan, Gaozhong Nie, Yan Deng, Jiwen An, Ping Song, Huayue Li, Yunhe Gu
View	Paper Code: WEP.P12.67 Paper Number: 1800

ADD <input type="checkbox"/>	<p>Title: AN ALGORITHM FOR RETRIEVING INSTANTANEOUS MICROWAVE LAND SURFACE EMISSIVITY FROM PASSIVE MICROWAVE BRIGHTNESS TEMPERATURE AND PRECIPITABLE WATER VAPOR DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P12: Estimation and Regression Applications: Land</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Fang-Cheng Zhou, Zhao-Liang Li, Hua Wu, Bo-Hui Tang, Rong-Lin Tang, Xiaoning Song, Guangjian Yan</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P1.3Paper Number: 1801</p> <p>Title: A NEW AEROSOL RETRIEVAL ALGORITHM BASED ON STATISTICAL SEGMENTATION USING LANDSAT-8 OLI DATA</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: WEP.P1: Aerosols and Atmospheric Chemistry III</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yajv Xiong, Yunping Chen, Weihong Han, Ling Tong</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P26.141Paper Number: 1803</p> <p>Title: REMOTE SENSING OBSERVATIONS OF PHYTOPLANKTON BLOOM INDUCED BY AN ANTI-CYCLONIC EDDY</p> <p>Topic: Oceans: Ocean Biology (Color) and Water Quality</p> <p>Session: WEP.P26: Ocean Biology and Water Quality</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Dawei Li</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P16.86Paper Number: 1804</p> <p>Title: FRACTIONAL ORDER VARIATIONAL PAN-SHARPENING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P16: Data Fusion Techniques: Pansharpening and Superresolution</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Pengfei Liu, Liang Xiao, Songze Tang, Le Sun</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L3.1Paper Number: 1807</p> <p>Title: Simultaneous Change Region And Pattern Identification for VHR Images</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p>

	<p>Session: TH1.L3: Multitemporal VHR Images Analysis</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Leigang Huo, Chunlei Huo</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L2.2 Paper Number: 1808</p> <p>Title: IDEAL REGULARIZED KERNEL FOR HYPERSPECTRAL IMAGE CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: WE1.L2: Classification of Hyperspectral Image I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Jiangtao Peng, Yicong Zhou</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P27.150 Paper Number: 1811</p> <p>Title: THE EFFECTS OF WAVE BREAKING ON SCATTEROMETER WIND RETRIEVAL</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: WEP.P27: Ocean Surface Winds I</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Dawei Li, Hui Shen, Chongguang Pang, Baoshu Yin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P15.83 Paper Number: 1812</p> <p>Title: THE IMPORTANCE OF FOREST SPATIAL HETEROGENEITY: EXPLORING THE EFFECT OF MIX SCENES USING COHERENCE THREE-DIMENSION RADAR BACKSCATTERING MODEL</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P15: Forest Monitoring by Radar and Lidar</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Le Yang, Qinhuo Liu, Mahta Moghaddam</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L3.1 Paper Number: 1815</p> <p>Title: A QUANTUM-BEHAVED PARTICLE SWARM OPTIMIZATION FOR HYPERSPECTRAL ENDMEMBER EXTRACTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR4.L3: Spectral Unimixing Techniques III</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Mingming Xu, Liangpei Zhang, Bo Du, Lefei Zhang, Yuxiang Zhang</p>

View ADD <input type="checkbox"/>	Paper Code: THP.P10.53 Paper Number: 1819
	Title: EVALUATION OF GEO-ECOLOGICAL ENVIRONMENT BEARING CAPACITY ALONG DUJIANGYAN-WENCHUAN HIGHWAY
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P10: Geological Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Lei Wang, Guiyang Yu, Yunhua Hu, Liang Li
View ADD <input type="checkbox"/>	Paper Code: MOP.P5.28 Paper Number: 1820
	Title: THE RESULTS OF MULTI-FREQUENCY MEASUREMENTS OF CLEAR SKY AND CLOUDS APPARENT TEMPERATURES
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P5: Clouds and Precipitation
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Astghik Hambaryan, Artashes Arakelyan, Arsen Arakelyan
View ADD <input type="checkbox"/>	Paper Code: TU1.L7.2 Paper Number: 1821
	Title: SEMI-SUPERVISED MULTI-METRIC ACTIVE LEARNING FOR CLASSIFICATION OF HYPERSPECTRAL IMAGES
	Topic: Student Paper Competition:
	Session: TU1.L7: Student Paper Contest Finalists I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Zhou Zhang, Melba Crawford
View ADD <input type="checkbox"/>	Paper Code: WE1.L3.5 Paper Number: 1822
	Title: FLOOD DYNAMIC MONITORING BASED ON SPARSE REPRESENTATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE1.L3: Change Detection in SAR Images
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Yueguan Lin, Qi Wen
View ADD <input type="checkbox"/>	Paper Code: TUP.P9.47 Paper Number: 1823
	Title: RANDOM SUBSPACE BASED SPARSE REPRESENTATION FOR HYPERSPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P9: Classification of Hyperspectral Image IV
	Time: Tuesday, July 12, 17:20 - 19:00

	Authors: Lin He, Yizhou Rao
View ADD <input type="checkbox"/>	Paper Code: FR4.L10.5 Paper Number: 1824
	Title: POLARIMETRIC ORIENTATION ANGLE SHIFTS INDUCED BY BUILDING ORIENTATION FOR MULTI-LOOK POLARIMETRIC SAR DATA AND ITS IMPACTS ON MODEL-BASED DECOMPOSITIONS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: FR4.L10: SAR Polarimetry II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Hongzhong Li, Qingquan Li, Guofeng Wu, Jinsong Chen
View ADD <input type="checkbox"/>	Paper Code: THP.P39.222 Paper Number: 1827
	Title: EFFICIENT SKY SEGMENTATION APPROACH FOR SMALL UAV AUTONOMOUS OBSTACLES AVOIDANCE IN CLUTTERED ENVIRONMENT
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: THP.P39: UAV Systems and Sensors
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Ahmed Mashaly, Yunhong Wang, Qingjie Liu
View ADD <input type="checkbox"/>	Paper Code: WE1.L9.4 Paper Number: 1828
	Title: Detection of Red Tide Using Aqua-Terra MODIS Satellite Data for Aransas Bay, Texas
	Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies
	Session: WE1.L9: Advances in Bathymetric and Oceanographic Lidar Studies I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Hongbo Su, Oladeji O. Olasimoju, Yan Yong, Lijun Yang, Hong Liang, Weimin Wang
View ADD <input type="checkbox"/>	Paper Code: MOP.P28.176 Paper Number: 1829
	Title: AN AUTOMATIC RCMC TECHNIQUE BASED ON BFGS METHOD
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P28: SAR Imaging Techniques II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Qianrong Lu, Kaizhi Wang, Xingzhao Liu, Xiaojiang Guo
View	Paper Code: WE1.L3.2 Paper Number: 1830

ADD <input type="checkbox"/>	<p>Title: SAR IMAGE CHANGE DETECTION BASED ON SPARK-FLICM ALGORITHM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: WE1.L3: Change Detection in SAR Images</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Huming Zhu, Yuqi Guo, Mingwei Niu, Linyan Qiu, Licheng Jiao, Maoguo Gong</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH3.L8.4Paper Number: 1831</p> <p>Title: NEW CAPABILITIES FOR EARTH SCIENCE MEASUREMENTS WITH 6U CUBESAT TECHNOLOGIES</p> <p>Topic: Invited Sessions: Earth Remote Sensing with Small Satellites</p> <p>Session: TH3.L8: Earth Remote Sensing with Small Satellites I</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Charles Norton, Pamela Millar, Robert Bauer, George Komar</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P28.147Paper Number: 1833</p> <p>Title: SAND DAM DYNAMIC MONITORING IN COASTAL AREAS BASED ON TIME-SERIES REMOTE SENSING IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P28: Multitemporal Analysis Applications</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Heshan Lin, Jinyan Xu, Degang Jiang, Yikang Gao, Lianhuan Wei, Jianhui Liu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P15.81Paper Number: 1836</p> <p>Title: REGISTRATION FOR SAR AND OPTICAL IMAGES BASED ON STRAIGHT LINE FEATURES AND MUTUAL INFORMATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P15: Data Fusion Techniques: Optical Sensors Fusion</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Boli Xiong, Wenchao Li, Lingjun Zhao, Jun Lu, Xiaoqiang Zhang, Gangyao Kuang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P38.207Paper Number: 1837</p> <p>Title: JOINT COLLABORATIVE REPRESENTATION FOR POLARIMETRIC SAR IMAGE CLASSIFICATION</p>

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P38: Remote Sensing Images Classification</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Jie Geng, Jianchao Fan, Hongyu Wang, Anyan Fu, Yuanyuan Hu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L10.1Paper Number: 1839</p> <p>Title: Polarimetric SAR Speckle Filtering Based on Stochastic Sampling</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR3.L10: SAR Polarimetry I</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Tianheng Yan, Xueke Yin, Wen Yang, Carlos López-Martínez</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P4.18Paper Number: 1840</p> <p>Title: PARALLEL IMPLEMENTATION OF THE FLICM ALGORITHM FOR SAR IMAGE CHANGE DETECTION ON INTEL MIC</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P4: Analysis of Multitemporal SAR Images</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Huming Zhu, Le Lu, Yucong Fan, Pei Li, Qingyu Zhang, Licheng Jiao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P30.188Paper Number: 1843</p> <p>Title: CONVERSE BEAM CROSS SLIDING SPOTLIGHT SAR IMAGING PROCESSING WITH DATA-BLOCKING BASED FAST BACK PROJECTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P30: SAR Imaging Techniques IV</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Can-Bin Yin, Da Ran</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P16.93Paper Number: 1844</p> <p>Title: Coastal flood monitoring based on AMSR-E data</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P16: Floods</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p>

Authors: Wei Zheng, Donglian Sun, Sanmei Li	
View ADD <input type="checkbox"/>	Paper Code: WEP.P13.72 Paper Number: 1845
	Title: PREDINTING SALT CONTANT USING THERMAL INFRARED (TIR) EMISSIVITY SPECTRA : A CASE STUDY OF UGAN-KUQA RIVER DELTA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P13: Estimation and Regression Applications: Soil
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Mamat Sawu, Ruzimaimaiti Mijiti, Maieryemu Yasen
View ADD <input type="checkbox"/>	Paper Code: MOP.P28.177 Paper Number: 1848
	Title: FREQUENCY HOPPING INVERSE SYNTHETIC APERTURE RADAR IMAGING SIMULATION AIDED WITH REAL RADAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P28: SAR Imaging Techniques II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Can-Bin Yin, Da Ran
View ADD <input type="checkbox"/>	Paper Code: WE4.L1.4 Paper Number: 1849
	Title: Intra-pulse Velocity Compensation For HRWS-SAR with High Squint Looking
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: WE4.L1: SAR Imaging Techniques II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Guanghu Jin, Zhen Dong, Feng He, Xiaoxiang Zhu, Zhihua He, Guozhong Chen, Di Zhao
View ADD <input type="checkbox"/>	Paper Code: MO4.L12.1 Paper Number: 1852
	Title: ESTIMATING THE SEA STATE BIAS OF HY-2A RADAR ALTIMETER BY USING A THREE-DIMENTIONAL NONPARAMETRIC MODEL
	Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites
	Session: MO4.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Maofei Jiang, Ke Xu, Yalong Liu, Lei Wang

View ADD <input type="checkbox"/>	Paper Code: TU2.L3.2 Paper Number: 1853
	Title: A VECTORIZATION METHOD OF BUILDING EDGE BASED ON HIGH RESOLUTION DSM DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU2.L3: Detection with High Resolution Images
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Yajuan Yin, Hong Zhao, Fan Yang, Dashuai Shang, Jiange Liu
View ADD <input type="checkbox"/>	Paper Code: THP.P8.39 Paper Number: 1854
	Title: AN IMPROVED DINSAR METHOD FOR MONITORING THE INCLINATION DISPLACEMENT OF THE POWER TRANSMISSION TOWERS USING RADARSAT-2 SPOTLIGHT MODE IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P8: Differential SAR Interferometry IV
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Baolong Wu, Ling Tong, Yan Chen, Lei He
View ADD <input type="checkbox"/>	Paper Code: TU1.L3.4 Paper Number: 1859
	Title: SALIENT OBJECT DETECTION IN HYPERSPECTRAL IMAGERY USING SPECTRAL GRADIENT CONTRAST
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU1.L3: Object Detection
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Hangqi Yan, Yanning Zhang, Wei Wei, Lei Zhang, Yong Li
View ADD <input type="checkbox"/>	Paper Code: THP.P16.86 Paper Number: 1860
	Title: ESTIMATIONS OF GLACIER MELTING IN GREENLAND FROM COMBINED SATELLITE GRAVIMETRY AND ICESAT
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: THP.P16: Ice Sheets and Glaciers II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Fang Zou, Shuanggen Jin
View ADD <input type="checkbox"/>	Paper Code: THP.P8.40 Paper Number: 1862
	Title: STABILITY ASSESSMENT OF HIGH-SPEED RAILWAY USING ADVANCED INSAR TECHNIQUE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry

	<p>Session: THP.P8: Differential SAR Interferometry IV</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Xiaoqiong Qin, Mingsheng Liao, Xuguo Shi, Mengshi Yang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P8.44 Paper Number: 1863</p> <p>Title: RESEARCH ON CIRRUS CLOUDS IN TIBETAN PLATEAU USING MWHS ONBOARD CHINESE FY-3B/C METEOROLOGICAL SATELLITE</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P8: Clouds and Precipitation: Satellite Remote Sensing II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jieying He, Shengwei Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P22.116 Paper Number: 1865</p> <p>Title: CLIMATE IMPACTS ON WHEAT PHENOLOGY AND PRODUCTION USING MUTI-SOURCE DATA IN NSW, AUSTRALIA</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P22: Remote Sensing for Crop Yield and Classification</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Jianxiu Shen, Nguyen Ngoc Tran, Rakhesh Devadas, Alfredo Huete, Hanzhi Zhang, Qiang Yu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L6.4 Paper Number: 1866</p> <p>Title: WEB SERVICE-BASED SMAP SOIL MOISTURE DATA VISUALIZATION, DISSEMINATION AND ANALITICS BASED ON VEGSCAPE FRAMWORK</p> <p>Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems</p> <p>Session: WE4.L6: Advancing Interoperability for Geoscience Information Systems II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Zhengwei Yang, Lei Hu, Genong Yu, Ranjay Shrestha, Liping Di, Claire Boryan, Rick Mueller</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P30.162 Paper Number: 1867</p> <p>Title: A LARGE WIDTH SAR IMAGE REGISTRATION METHOD BASED ON THE COMPELEX CORRELATION FUNCTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: THP.P30: SAR Interferometry III</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p>

	Authors: Zhichun Zhang, Hui Liu, Lei Zhang, Su Wang, Zhizhe Li, Jianjiang Wu
View ADD <input type="checkbox"/>	Paper Code: THP.P18.95 Paper Number: 1868 Title: A hierarchical processing method for subpixel surface water mapping from highly heterogeneous urban environments using Landsat OLI data Topic: Land Applications: Inland Waters Session: THP.P18: Inland Waters Time: Thursday, July 14, 17:20 - 19:00 Authors: Xin Luo, Huan Xie, Xiong Xu, Haiyan Pan, Xiaohua Tong
View ADD <input type="checkbox"/>	Paper Code: MOP.P34.212 Paper Number: 1869 Title: TIME SERIES INTERFEROMETRY INTEGRATED WITH GROUNDWATER DEPLETION MEASUREMENT FROM GRACE Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques Session: MOP.P34: SAR Imaging Techniques VII Time: Monday, July 11, 17:20 - 19:00 Authors: Zheyuan Du, Linlin Ge, Alex Hay-Man Ng, Xiaojing Li
View ADD <input type="checkbox"/>	Paper Code: FR1.L9.1 Paper Number: 1872 Title: THE STATE OF THE ART IN GROUND PENETRATING RADAR AND THE REGULATION OF ELECTROMAGNETIC WAVE Topic: Invited Sessions: Advanced Ground Penetrating Radar Session: FR1.L9: Advanced Ground Penetrating Radar I Time: Friday, July 15, 08:20 - 10:00 Authors: Motoyuki Sato
View ADD <input type="checkbox"/>	Paper Code: WEP.P13.73 Paper Number: 1874 Title: INVERSION OF FEO AND TIO2 CONTENT USING MICROWAVE RADIANCE SIMULATION BASED ON CHANG-E2 PASSIVE MICROWAVE RADIOMETER DATA Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression Session: WEP.P13: Estimation and Regression Applications: Soil Time: Wednesday, July 13, 17:20 - 19:00 Authors: Yi Lian, Pengfei Liu, Hongyuan Huo, Hu Zhang, Tiejun Cui, Peng Du
View	Paper Code: MOP.P32.202 Paper Number: 1876

ADD <input type="checkbox"/>	<p>Title: A OPTRONIC SAR PROCESSOR WITH HIGH-SPEED AND HIGH-PRECISION PHASE MODULATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P32: SAR Imaging Techniques V</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Lei Liu, Yesheng Gao, Kaizhi Wang, Xingzhao Liu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU1.L7.4Paper Number: 1879</p> <p>Title: BRAD: BACKGROUND REGRESSION BASED HYPERSPECTRAL ANOMALY DETECTION, A K-NN SCORE ESTIMATION ASPECT</p> <p>Topic: Student Paper Competition:</p> <p>Session: TU1.L7: Student Paper Contest Finalists I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Rui Zhao, Bo Du, Liangpei Zhang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P30.160Paper Number: 1880</p> <p>Title: LARGE COVERAGE SURFACE DEFORMATION MONITORING WITH MULTIPLE INSAR TECHNIQUES AND MULTIPLE SENSOR SAR DATASETS: A CASE STUDY IN LINFEN-YUNCHENG BASIN, CHINA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P30: Multitemporal InSAR Analysis</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Chuanjin Liu, Chaoying Zhao, Qin Zhang, Chengsheng Yang, Feifei Qu, Lingyun Ji</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P28.157Paper Number: 1881</p> <p>Title: Exploring for the wind speed retrieval from Interferometric Imaging Radar Altimeter</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: WEP.P28: Ocean Surface Winds II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Lin Ren, Jingsong Yang, Yunhua Zhang, Wenshuai Zhai, Gang Zheng, Juan Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU4.L9.1Paper Number: 1882</p> <p>Title: INTER-CALIBRATION OF SATELLITE PASSIVE MICROWAVE LAND OBSERVATIONS FROM MWRI AND AMSR-E OVER THE BARE SOIL AND GRASSLAND</p>

	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU4.L9: Radiometer Cross-Calibration
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Xiaoran Lv, Adu Gong, Xiaotian Yin, Jing Li, Jingmei Wang, Yanling Chen

View ADD <input type="checkbox"/>	Paper Code: TUP.P29.154 Paper Number: 1883
	Title: THERMAL INFRARED VARIATION ASSOCIATED WITH STRONG EARTHQUAKES IN XINJIANG USING SATELLITE DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P29: Multitemporal Analysis Urban Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Feng Jing, Hui Wang, Shunying Hong, Yanfang Dong

View ADD <input type="checkbox"/>	Paper Code: WEP.P43.239 Paper Number: 1884
	Title: A METHOD FOR LANDSLIDE SUSCEPTIBILITY ASSESSMENT INTEGRATING ROUGH SET AND DECISION TREE: A CASE STUDY IN BEICHUAN, CHINA
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P43: Subsidence and Landslip
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zhi Wen, Binbin He, Dasong Xu, Qian Feng

View ADD <input type="checkbox"/>	Paper Code: THP.P12.61 Paper Number: 1887
	Title: AN ENHANCED TECHNIQUE FOR GROUND-BASED OPTICAL SPACE DEBRIS EXTRACTION VIA RGA-BASED NEURAL NETWORKS ALGORITHM
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P12: Ground Based GNSS and Optical Sensing
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Peerapong Torteeka, Peng-Qi Gao, Ming Shen, Xiao-Zhang Guo, Da-Tao Yang, Huan-Huan Yu, Wei-Ping Zhou, Ming-Guo Sun, You Zhao

View ADD <input type="checkbox"/>	Paper Code: TH4.L1.1 Paper Number: 1890
	Title: TRANSMITTER LEAKAGE CANCELING FOR LFM CW SAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: TH4.L1: SAR Imaging Techniques VI

	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Xiaojiang Guo, Yesheng Gao, Kaizhi Wang, Xingzhao Liu, Qianrong Lu
View ADD <input type="checkbox"/>	Paper Code: TH4.L7.3 Paper Number: 1891
	Title: TEMPORAL DYNAMICS OF TIME SERIES LEAF AREA INDEX AND THE CORRELATIONS WITH METEOROLOGICAL FACTORS OVER CHINA
	Topic: Data Management and Education: Remote Sensing Data and Policy Decisions
	Session: TH4.L7: Remote Sensing Data and Policy Decisions
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Xinlu Li, Hui Lu
View ADD <input type="checkbox"/>	Paper Code: WE1.L2.4 Paper Number: 1892
	Title: HYPERSPECTRAL IMAGE CLASSIFICATION WITH SMALL TRAINING SET BY DEEP NETWORK AND RELATIVE DISTANCE PRIOR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: WE1.L2: Classification of Hyperspectral Image I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Xiaorui Ma, Hongyu Wang, Jie Geng, Jie Wang
View ADD <input type="checkbox"/>	Paper Code: TH1.L3.4 Paper Number: 1893
	Title: LEARNING A TRANSFERABLE CHANGE DETECTION METHOD BY RECURRENT NEURAL NETWORK
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH1.L3: Multitemporal VHR Images Analysis
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Haobo Lyu, Hui Lu
View ADD <input type="checkbox"/>	Paper Code: WE4.L8.5 Paper Number: 1894
	Title: A COMPARATIVE ANALYSIS ON GF-2 REMOTE SENSING IMAGE FUSION EFFECTS
	Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications
	Session: WE4.L8: Status and Development of China High-Resolution Earth Observation System and Applications II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Jialan Chu, Jianchao Fan, Yanlong Chen, Fengshou Zhang

View ADD <input type="checkbox"/>	Paper Code: WEP.P33.181 Paper Number: 1895
	Title: A NOVEL INTERPRETATION OF THE POLSAR COHERENCY MATRIX DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P33: POL and POLInSAR IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Feiya Zhu, Yunhua Zhang, Dong Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P31.169 Paper Number: 1898
	Title: POLARIMETRIC FEATURES ANALYSIS OF OIL SPILLS IN C-BAND AND L-BAND SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P31: Physical Information Extraction in SAR Polarimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Honglei Zheng, Yanmin Zhang, Yunhua Wang
View ADD <input type="checkbox"/>	Paper Code: WEP.P26.145 Paper Number: 1899
	Title: OPTICAL PROPERTIES OF JIAOZHOU BAY AND QINGDAO COAST
	Topic: Oceans: Ocean Biology (Color) and Water Quality
	Session: WEP.P26: Ocean Biology and Water Quality
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Liu Xiaoyan, Yang Qian, Zong Fangyi, Chen Shuguo, Hu Lianbo
View ADD <input type="checkbox"/>	Paper Code: WEP.P32.176 Paper Number: 1900
	Title: LAND COVER CLASSIFICATION USING RADIOMETRIC-TERRAIN-CALIBRATED POLARIMETRIC SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P32: POL and POLInSAR III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jinyan Xu, Mingsheng Liao, Lu Zhang, Xinwei Yang
View ADD <input type="checkbox"/>	Paper Code: WEP.P33.180 Paper Number: 1901
	Title: ADAPTIVE MODEL-BASED POLARIMETRIC DECOMPOSITION USING CORRELATION COEFFICIENT
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR

	Session: WEP.P33: POL and POLInSAR IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Houda Latrache, Mounira Ouarzeddine, Boularbah Souissi
View ADD <input type="checkbox"/>	Paper Code: THP.P10.50 Paper Number: 1905
	Title: The Application of Landslide 3D Measurement Based on High Resolution Satellite Stereo Pairs
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P10: Geological Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xia Li, Xiaoxia Huang, Hongga Li, Jinliang Han
View ADD <input type="checkbox"/>	Paper Code: TU4.L3.2 Paper Number: 1906
	Title: SENSITIVITY ANALYSIS FOR CHL-A RETRIEVAL OF WATER BODY USING HYPERSPECTRAL REMOTE SENSING DATA WITH DIFFERENT SPECTRAL INDICATORS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU4.L3: Hyperspectral Image Analysis and Object Detection
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Shudong Wang, Lifu Zhang, Jingguo Tian, Xiaoyuan Zhang
View ADD <input type="checkbox"/>	Paper Code: WEP.P33.182 Paper Number: 1907
	Title: STATISTICAL ANALYSIS OF SEA CLUTTER ACQUIRED BY QUAD-POL COHERENT X-BAND RADAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P33: POL and POLInSAR IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yunhua Wang, Qun Li, Yanmin Zhang
View ADD <input type="checkbox"/>	Paper Code: TUP.P23.122 Paper Number: 1909
	Title: A VHR SCENE CLASSIFICATION METHOD INTEGRATING SPARSE PCA AND SALIENCY COMPUTING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P23: Feature Extraction and Reduction VIII
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Souleyman Chaib, Yanfeng Gu, Hongxun Yao, Sicheng Zhao
View	Paper Code: THP.P9.44 Paper Number: 1911

ADD <input type="checkbox"/>	<p>Title: TIDAL LAND DIGITAL ELEVATION MODEL GENERATING BASED ON BEIJING-1 SMALL SATELLITE IMAGE AND HIGH-RESOLUTION TIDAL LEVEL GRID</p> <p>Topic: Land Applications: Topography, Geology and Geomorphology</p> <p>Session: THP.P9: Digital Terrain Models</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Di Wu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P18.102Paper Number: 1913</p> <p>Title: SPECTRAL UNMIXING FOR FIRE SMOKE DETECTION AND REMOVAL</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P18: Land Targets</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Meng Xu, Xiuping Jia, Mark Pickering, Dar Roberts</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P33.183Paper Number: 1914</p> <p>Title: AN AUTOMATIC K-WISHART DISTRIBUTION SHIP DETECTOR FOR POLSAR DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: WEP.P33: POL and POLInSAR IV</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Weiwei Fan, Feng Zhou, Mingliang Tao, Xueru Bai</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L5.3Paper Number: 1915</p> <p>Title: MEDITERRANEAN SHRUBLANDS BIOMASS ESTIMATION USING SENTINEL-1 AND SENTINEL-2</p> <p>Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass</p> <p>Session: TH1.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Jisung Chang, Maxim Shoshany</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE1.L11.3Paper Number: 1916</p> <p>Title: PRECIPITATION RATES ESTIMATED WITH GPM'S DUAL-FREQUENCY RADAR</p> <p>Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms</p>

	<p>Session: WE1.L11: Global Precipitation Measurement Instruments and Algorithms I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Toshio Iguchi, Shinta Seto, Jun Awaka, Robert Meneghini, Takuji Kubota, V. Chandrasekar, Naofumi Yoshida, Nozomi Kawamoto, Riko Oki</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P5.24 Paper Number: 1917</p> <p>Title: ESTIMATION OF GROUND DEFORMATION IN MOUNTAIN AREAS WITH IMPROVED SAR INTERFEROMETRY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: THP.P5: Differential SAR Interferometry I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Shengwei Wang, Yan Chen, Hao Chen, Shiyu Luo, Lei He, Ling Tong</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P33.176 Paper Number: 1922</p> <p>Title: Group Sparse Regularization Based Iterative Incremental Image Deblurring</p> <p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TUP.P33: Optical Sensors and Calibration II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Zhongmei Wang, Xiaomei Yang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L5.4 Paper Number: 1924</p> <p>Title: TOWARDS DECOMPOSING THE EFFECTS OF FOLIAR NITROGEN CONTENT AND CANOPY STRUCTURE ON RICE CANOPY SPECTRAL VARIABILITY THROUGH MULTI-SCALE SPECTRAL ANALYSIS</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: WE1.L5: Vegetation Monitoring by Optical Instruments I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Tao Cheng, Dong Li, Hengbiao Zheng, Xia Yao, Yongchao Tian, Yan Zhu, Weixing Cao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P44.245 Paper Number: 1925</p> <p>Title: POLARIMETRIC SAR IMAGES CLASSIFICATION BASED ON L DISTRIBUTION AND SPATIAL CONTEXT</p>

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: WEP.P44: Theoretical Aspects of SAR Polarimetry</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Qiao Xu, Qihao Chen, Xiaoli Xing, Shuai Yang, Xiuguo Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L2.1Paper Number: 1926</p> <p>Title: DEEP CONVOLUTIONAL NETWORKS WITH SUPERPIXEL SEGMENTATION FOR HYPERSPECTRAL IMAGE CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: WE3.L2: Classification of Hyperspectral Image II</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Jiayan Cao, Zhao Chen, Bin Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P44.246Paper Number: 1927</p> <p>Title: EVALUATION OF ENTROPY/ALPHA/ANISOTROPY BASED ON ADAPTIVE COHERENCY MATRIX ESTIMATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: WEP.P44: Theoretical Aspects of SAR Polarimetry</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Shuai Yang, Qihao Chen, Xiaohui Yuan, Qiao Xu, Xiuguo Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L2.3Paper Number: 1929</p> <p>Title: APPLIED ANALYSIS FOR CANOPY NITROGEN RETRIEVAL OF WINTER WHEAT USING HYPERSPECTRAL VEGETATION INDEX</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p> <p>Session: FR3.L2: Estimation and Regression Applications</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Xiaoyuan Zhang, Shudong Wang, Lifu Zhang, Jingguo Tian, Xia Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L12.5Paper Number: 1931</p> <p>Title: SAR OBSERVATION AND WRF MODEL SIMULATION OF LAND BREEZE IN HAINAN ISLAND, CHINA</p> <p>Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications</p> <p>Session: TU2.L12: SAR Remote Sensing for Ocean Applications II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Xiaofeng Yang, Xiaofeng Li, Weizhong Zheng, Ziwei Li</p>

View ADD <input type="checkbox"/>	Paper Code: THP.P8.42 Paper Number: 1933
	Title: HIGHWAY DEFORMATION MONITORING BASED ON CRINSAR TECHNIQUE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P8: Differential SAR Interferometry IV
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xing Xue Min, Wen De Bao, Yuan Zhihui, Chen Li Fu
View ADD <input type="checkbox"/>	Paper Code: TUP.P15.77 Paper Number: 1934
	Title: Remote Sensing Image Reconstruction Based on Shearlet Transform and Total Generalized Variation Regularization
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P15: Data Fusion Techniques: Optical Sensors Fusion
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zhongmei Wang, Xingfa Gu
View ADD <input type="checkbox"/>	Paper Code: TUP.P42.229 Paper Number: 1935
	Title: A GEOMETRIC PARAMETER EXTRACTION METHOD OF SHIP TARGET BASED ON AN IMPROVED SNAKE MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P42: Spectral Analysis and Feature Extraction
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xiaoqiang Zhang, Boli Xiong, Gangyao Kuang, Wei Xu
View ADD <input type="checkbox"/>	Paper Code: FR1.L12.5 Paper Number: 1936
	Title: CORRECTION OF SMOS DATA IN COASTAL AREA OF SOUTH CHINA SEA BASED ON LAND CONTAMINATION ANALYSIS
	Topic: Oceans: Coastal Zones
	Session: FR1.L12: Coastal Zones
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Li Yan, Li Qingxia, Lang Liang, Jin Rong, Zhiwei Chen
View ADD <input type="checkbox"/>	Paper Code: THP.P22.119 Paper Number: 1940
	Title: MONITORING OF VARIABILITY IN CROP GROWTH ON RECONSTRUCTED AGRICULUTURAL LAND AFTER THE 2011 GREAT EAST JAPAN EARTHQUAKE
	Topic: Land Applications: Agriculture
	Session: THP.P22: Remote Sensing for Crop Yield and Classification

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Chinatsu Yonezawa, Manabu Watanabe
View	Paper Code: WE1.L11.4 Paper Number: 1941
ADD <input type="checkbox"/>	Title: Near Real Time Product of the Gauge Adjusted GSMaP (GSMaP_Gauge_NRT)
	Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms
	Session: WE1.L11: Global Precipitation Measurement Instruments and Algorithms I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Tomoo Ushio, Tomoaki Mega, Takuji Kubota, Misako Kachi
View	Paper Code: MOP.P10.55 Paper Number: 1943
ADD <input type="checkbox"/>	Title: RESEARCH ON MULTI-SOURCE HETEROGENEOUS DATA COLLECTION FOR THE SMART CITY PUBLIC INFORMATION PLATFORM
	Topic: Data Management and Education: Data Management and Systems
	Session: MOP.P10: Data Management and Systems I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shufu Liu, Ling Peng, Tianhe Chi, Xiaomeng Wang
View	Paper Code: TU3.L2.5 Paper Number: 1945
ADD <input type="checkbox"/>	Title: DECISION FUSION OF PIXEL-LEVEL AND SUPERPIXEL-LEVEL HYPERSPECTRAL IMAGE CLASSIFIERS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TU3.L2: Learning Based Image Classification
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Ting Lu, Shutao Li, Leyuan Fang
View	Paper Code: WE1.L10.5 Paper Number: 1946
ADD <input type="checkbox"/>	Title: OBSERVATION OF GROUND DEFORMATION IN THE OSAKA AND KANTO PLAINS WITH ALOS-2/PALSAR-2
	Topic: Invited Sessions: ALOS-2
	Session: WE1.L10: ALOS-2 I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Manabu Hashimoto
View	Paper Code: WEP.P4.19 Paper Number: 1947

ADD <input type="checkbox"/>	<p>Title: A STUDY OF AEROSOL CHANGING RULE IN BEIJING DURING A DECADE</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P4: Air Pollution</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Jian Xun, Yang Hang, Zhang Lifu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P14.70 Paper Number: 1948</p> <p>Title: FEATURE ENHANCEMENT FOR MULTICHANNEL SAR IMAGE: A NON-LOCAL VECTORIAL TOTAL VARIATION APPROACH</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P14: Data Fusion Techniques: Denoising, Compression and Registration</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Xintong Tan, Qi Yu, Jubo Zhu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO3.L3.1 Paper Number: 1950</p> <p>Title: OPTIMIZATION OF IMAGE PROCESSING TECHNIQUES TO DETECT AND RECONSTRUCT THE IMAGE OF CONCEALED BLADE FOR MMW IMAGING SYSTEM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MO3.L3: Image Processing Techniques of Detecting</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Bambam Kumar, Prabhat Sharma, Rohit Upadhyay, Dharmendra Singh, K P Singh</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L11.4 Paper Number: 1954</p> <p>Title: LONG TEMPORAL ANALYSIS OF AEROSOL OPTICAL DEPTH FROM 3 KM MODIS AEROSOL PRODUCTS OVER XUZHOU AREA IN CHINA</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: TH2.L11: Aerosols and Atmospheric Chemistry II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Yanjun Li, Chao Liu, Qingmiao Ma, Yingjie Li, Chao Ji, Qingju Song, Kangchen Liu</p>
View	<p>Paper Code: MOP.P26.165 Paper Number: 1955</p>

ADD <input type="checkbox"/>	<p>Title: UNSUPERVISED CLASSIFICATION BASED ON THE LOGARITHMIC CIRCULAR POLARIZATION RATIO PARAMETER FOR HYBRID POLARIMETRIC SAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P26: SAR and Sonar Image Analysis and Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Shiqiang Chen, Shenglong Guo, Yang Li, Qiang Yin, Wen Hong</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P5.23Paper Number: 1956</p> <p>Title: PROBABILITY MODEL OF THE MULTIPATH DELAYS IN RADAR ECHOES OF SCATTERS ABOVE 3-D SURFACES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P5: Analysis of Multi-view Data</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Chongwen Duan, Zhiguang Leng, Kaijian Zhu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P31.196Paper Number: 1958</p> <p>Title: THE PARAMETER DESIGN RESULTS OF NEAR SPACE AIRSHIP SAR SYSTEM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P31: SAR Imaging Techniques IX</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xihong Liu, Peng Zhou, Xi Zhang, Weifeng Sun, Yongshou Dai</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU3.L6.1Paper Number: 1959</p> <p>Title: SPATIAL DISTRIBUTION OF RODENT PESTS IN DESERT FOREST BASED ON UAV REMOTE SENSING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science</p> <p>Session: TU3.L6: Geographic Information Science</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Amin Wen, Jianghua Zheng, Meng Chen, Chen Mu, Tao Ma</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P15.81Paper Number: 1960</p> <p>Title: MASS CHANGE OF GANGOTRI GLACIER BASED ON TANDEM-X MEASUREMENTS</p> <p>Topic: Cryosphere: Ice Sheets and Glaciers</p> <p>Session: THP.P15: Ice Sheets and Glaciers I</p>

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Pratima Pandey, Surendar Manickam, Avik Bhattacharya, Gulab Singh, Gopalan Venkataraman, P. K. Champati Ray
View ADD <input type="checkbox"/>	Paper Code: FR3.L6.4 Paper Number: 1961
	Title: Blind deconvolution of remote sensing image based on priors of reference image and sparse representation
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: FR3.L6: Registration of Multisensor Images and Reconstruction
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Peng Liu, Jabin Zhang, Jingbo Wei, Jining Yan, Lizhe Wang
View ADD <input type="checkbox"/>	Paper Code: FR4.L1.5 Paper Number: 1963
	Title: ATMOSPHERIC WATER VAPOR MAPPING BY COMBINING INTERFEROMETRIC SYNTHETIC APERTURE RADAR AND GPS OBSERVATIONS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR4.L1: Differential SAR Interferometry II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Wei Tang, Mingsheng Liao, Lu Zhang, Li Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P22.128 Paper Number: 1965
	Title: LAND COVER CLASSIFICATION AND MONITORING THROUGH MULTISENSOR IMAGE AND DATA COMBINATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P22: Multi-source Images Fusion and Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Pia Addabbo, Mariano Focareta, Salvo Marcuccio, Claudio Votto, Silvia Liberata Ullo
View ADD <input type="checkbox"/>	Paper Code: TU4.L11.3 Paper Number: 1966
	Title: PERORMANCE EVALUATION OF RADIATIVE TRANSFER MODELS OF SATELLITE ATMOSPHERIC MICROWAVE SOUNDING FOR DATA ASSIMILATION
	Topic: Atmosphere Applications: Numerical Weather Prediction and Data Assimilation
	Session: TU4.L11: Numerical Weather Prediction and Data Assimilation
	Time: Tuesday, July 12, 15:40 - 17:20

	Authors: Gongwei Li, Ke Chen, Albin J. Gasiewski, Kun Zhang, Qingxia Li, Li Zhang, Ye He, Anjie Cao
View ADD <input type="checkbox"/>	Paper Code: TUP.P1.3 Paper Number: 1968
	Title: THE AIRBORNE HYPERSPECTRAL IMAGE CLASSIFICATION BASED ON THE RANDOM FOREST ALGORITHM
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P1: Aerial Images Analysis and Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Shumin Wang, Aixia Dou, Xiaoxiang Yuan, Xuehua Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P43.246 Paper Number: 1969
	Title: ESTIMATE THE FLUCTUATION OF POYANG LAKE WATER LEVEL USING CRYOSAT-2 DATA
	Topic: Land Applications: Wetlands
	Session: THP.P43: Wetland and Inland Water
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Guozhuang Shen, Jingjuan Liao, Yun Zhao
View ADD <input type="checkbox"/>	Paper Code: MOP.P30.192 Paper Number: 1971
	Title: Absolute geo-positioning accuracy of TerraSAR-X – Experimental validation in Wuhan
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P30: SAR Imaging Techniques IV
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Timo Balz, Jinghui Wang, Mingsheng Liao
View ADD <input type="checkbox"/>	Paper Code: MOP.P30.191 Paper Number: 1972
	Title: INVERSE SYNTHETIC APERTURE RADAR IMAGING OF MANEUVERING TARGETS BASED ON JOINT TIME-FREQUENCY ANALYSIS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P30: SAR Imaging Techniques IV
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Tiantian Feng, Lixin Guo, Yi Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P4.25 Paper Number: 1974
	Title: NON-LOCAL SPECTRAL-SPATIAL CENTRALIZED SPARSE REPRESENTATION FOR HYPERSPECTRAL IMAGE CLASSIFICATION

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P4: Classification of Hyperspectral Image II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Bushra Naz Soomro, Liang Xiao, Shahzad Hyder Soomro</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L1.4Paper Number: 1975</p> <p>Title: GROUND DEFORMATION ANALYSIS IN ISTANBUL CITY BY USING MULTI-BAND INSAR TIME-SERIES ANALYSIS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: FR2.L1: Deformation Application</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Hatice Kubra Caglayan, Fumitaka Ogushi, Masashi Matsuoka</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P42.231Paper Number: 1978</p> <p>Title: DETECTION OF TERRESTRIAL SNOWMELT OF CHINA BASED ON QUIKSCAT</p> <p>Topic: Cryosphere: Snow Cover</p> <p>Session: WEP.P42: Snow Cover III</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yurong Cui, Chuan Xiong, Jiancheng Shi, Lingmei Jiang, Bing Peng, Tongxi Hu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L2.3Paper Number: 1981</p> <p>Title: SUBPIXEL MAPPING OF HYPERSPECTRAL IMAGES BASED ON COLLABORATIVE REPRESENTATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: WE2.L2: Pseudo Pixel Based Image Classification</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Xiaoqin Xue, Yifan Zhang, Tuo Zhao, Mingyi He</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P23.124Paper Number: 1982</p> <p>Title: MIMICK CAPACITY OF GENERALIZED GAMMA DISTRIBUTION FOR HIGH RESOLUTION SAR IMAGE STATISTICAL MODELING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation</p> <p>Session: THP.P23: Remote Sensing Image Segmentation I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Helene Sportouche, Jean-Marie Nicolas, Florence Tupin</p>

View ADD <input type="checkbox"/>	Paper Code: FR4.L4.3 Paper Number: 1983
	Title: UPDATED GROUNDING LINE OF THWAITES GLACIER USING HIGH RESOLUTION TANDEM-X DIGITAL ELEVATION MODEL
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: FR4.L4: Ice Sheets and Glaciers II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Seung Hee Kim, Duk-Jin Kim
View ADD <input type="checkbox"/>	Paper Code: WEP.P32.174 Paper Number: 1984
	Title: TEMPORAL ANALYSIS OF POLINSAR BASED FOREST HEIGHT INVERSION FOR TECTONA GRANDIS AND EUCALYPTUS PLANTATIONS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P32: POL and POLInSAR III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Unmesh Khati, Gulab Singh
View ADD <input type="checkbox"/>	Paper Code: FR4.L12.1 Paper Number: 1985
	Title: STUDY ON OIL SPILLS IN THE NORTH SEA FORTIES FIELD OBSERVED IN TERRASAR-X AND TANDEM-X IMAGERY
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR4.L12: Oil Spill
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Tong Jia, Xiaoming Li, Domenico Velotto
View ADD <input type="checkbox"/>	Paper Code: TUP.P22.115 Paper Number: 1986
	Title: INTERFEROMETRIC ANALYSIS OF TYPICAL URBAN BUILDING STRUCTURES USING TERRASAR-X STARING SPOTLIGHT DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P22: Feature Extraction and Reduction VII
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ziyun Wang, Timo Balz, Lu Zhang, Mingsheng Liao
View ADD <input type="checkbox"/>	Paper Code: WEP.P14.81 Paper Number: 1988
	Title: COMPARISON OF FRACTIONAL VEGETATION COVER ESTIMATING METHODS USING IN-SITU MEASUREMENTS AND THE PROSAIL MODEL

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P14: Estimation and Regression Applications: Vegetation</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yanling Ding, Xingming Zheng, Tao Jiang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L1.4Paper Number: 1991</p> <p>Title: SAR Moving Target Imaging and Velocity Estimation Method Using Genetic Algorithm</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH3.L1: SAR Imaging Techniques V</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Zhongyu Li, Junjie Wu, Zhichao Sun, Yulin Huang, Haiguang Yang, Jianyu Yang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P14.72Paper Number: 1992</p> <p>Title: MULTI-SOURCE REMOTE SENSING IMAGE REGISTRATION BASED ON SIFT AND OPTIMIZATION OF LOCAL SELF-SIMILARITY MUTUAL INFORMATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P14: Data Fusion Techniques: Denoising, Compression and Registration</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Shuhan Chen, Xiaorun Li, Liaoying Zhao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L11.3Paper Number: 1993</p> <p>Title: CHARACTERISTICS AND TRENDS OF METEOROLOGICAL DROUGHT OVER CHINA FROM REMOTE SENSING PRECIPITATION DATASETS</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: FR1.L11: Floods</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Jing Lu, Li Jia, Chaolei Zheng, Jie Zhou, Mattijn van Hoek, Kun Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L3.2Paper Number: 1994</p> <p>Title: A MORPHOLOGY-BASED APPROACH FOR CLOUD DETECTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p>

	Session: MO3.L3: Image Processing Techniques of Detecting
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Sravan Danda, Aditya Challa, B. S. Daya Sagar
View ADD <input type="checkbox"/>	Paper Code: WEP.P31.168 Paper Number: 1996
	Title: UNIFIED PHENOMENOLOGICAL DECOMPOSITION OF RADAR TARGETS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P31: Physical Information Extraction in SAR Polarimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Dong Li, Yunhua Zhang
View ADD <input type="checkbox"/>	Paper Code: FR2.L11.5 Paper Number: 1997
	Title: GPU-BASED NONLOCAL FILTERING FOR LARGE SCALE SAR PROCESSING
	Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience
	Session: FR2.L11: Big Data in Geoscience
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Gerald Baier, Xiao Xiang Zhu
View ADD <input type="checkbox"/>	Paper Code: THP.P33.185 Paper Number: 1998
	Title: BILINEAR MATRIX FACTORIZATION USING A GRADIENT METHOD FOR HYPERSPECTRAL ENDMEMBER SPECTRA EXTRACTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P33: Spectral Unmixing Techniques I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Fatima Zohra Benhalouche, Yannick Deville, Moussa Sofiane Karoui, Abdelaziz Ouamri
View ADD <input type="checkbox"/>	Paper Code: THP.P24.128 Paper Number: 1999
	Title: CLASSIFICATION OF MULTI-LOOK POLARIMETRIC SAR IMAGERY BASED ON THE AUTOMATED EM GAUSSIAN CLUSTERING ALGORITHM USING THE COMPLEX WISHART DISTRIBUTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation
	Session: THP.P24: Remote Sensing Image Segmentation II
	Time: Thursday, July 14, 17:20 - 19:00

	Authors: Boularbah Souissi, Mounira Ouazzeddine
View ADD <input type="checkbox"/>	Paper Code: WEP.P19.109 Paper Number: 2002
	Title: DROUGHT ASSESSMENT IN BEIJING-TIANJIN-HEBEI REGION IN CHINA IN RECENT TEN YEARS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science
	Session: WEP.P19: Geographic Information Science I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Siyao Yang, Dan Meng, Xiaojuan Li
View ADD <input type="checkbox"/>	Paper Code: TUP.P30.157 Paper Number: 2005
	Title: MAPPING OVERALL TAIYUAN GRABEN BASIN DEFORMATION WITH SBAS-INSAR TECHNIQUE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P30: Multitemporal InSAR Analysis
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yuanyuan Liu, Chaoying Zhao, Qin Zhang, Chengsheng Yang, Jing Zhang
View ADD <input type="checkbox"/>	Paper Code: MO4.L1.1 Paper Number: 2006
	Title: A TIME SERIES OF TOMOGRAPHIC PROFILES OF A SNOW PACK MEASURED WITH SNOWSCAT AT X-/KU-BAND
	Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications
	Session: MO4.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Othmar Frey, Charles L. Werner, Rafael Caduff, Andreas Wiesmann
View ADD <input type="checkbox"/>	Paper Code: THP.P10.54 Paper Number: 2008
	Title: IMPLICATION OF ACTIVE STRUCTURE IN EBINUR LAKE BASIN BY STREAM LENGTH-GRADIENT INDEX AND HACK PROFILE
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P10: Geological Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xiaoli Liu, Xue Li, Zhumei Liu, Xiaolin Chen, Shengle Li
View	Paper Code: THP.P40.231 Paper Number: 2010

ADD <input type="checkbox"/>	<p>Title: RELATIONSHIP BETWEEN SURFACE NET RADIATION AND LANDCOVER PATTERN IN AN URBAN AREA</p> <p>Topic: Land Applications: Urban and Built Environment</p> <p>Session: THP.P40: Urban Applications I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Xiaofeng Zhao, Jiahui Liu, Lele Liu, Xiuguang Liu, Yanchuang Zhao</p>
View	<p>Paper Code: THP.P30.163 Paper Number: 2014</p> <p>Title: A NOVEL INTERFEROGRAM QUALITY ASSESSMENT INDEX BASED ON CONNECTED AREA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: THP.P30: SAR Interferometry III</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Tao Zhang, Xiaolei Lv, Jun Hong</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: TH2.L6.3 Paper Number: 2015</p> <p>Title: ALTERATION ANOMALY INFORMATION EXTRACTION USING HYPERSPECTRAL REMOTE SENSING IN COALBED METHANE ENRICHMENT</p> <p>Topic: Land Applications: Topography, Geology and Geomorphology</p> <p>Session: TH2.L6: Surface Hazards and Anomalies</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Guangwei Zhen, Li Chen, Chao Chen, Biyun Guo</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: WE4.L5.5 Paper Number: 2018</p> <p>Title: FOREST BIODIVERSITY MAPPING USING AIRBORNE LIDAR AND HYPERSPECTRAL DATA</p> <p>Topic: Invited Sessions: Remote Sensing for Ecology</p> <p>Session: WE4.L5: Remote Sensing for Ecology II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Yuan Zeng, Yujin Zhao, Dan Zhao, Bingfang Wu</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: THP.P33.186 Paper Number: 2024</p> <p>Title: INCREMENTAL KERNEL NON-NEGATIVE MATRIX FACTORIZATION FOR HYPERSPECTRAL UNMIXING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P33: Spectral Unmixing Techniques I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p>
ADD <input type="checkbox"/>	

	Authors: Risheng Huang, Xiaorun Li, Liaoying Zhao
View ADD <input type="checkbox"/>	Paper Code: TUP.P14.74 Paper Number: 2026
	Title: MONITORING OIL PALM PLANTATIONS IN MALAYSIA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P14: Data Fusion Techniques: Denoising, Compression and Registration
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Christine Pohl, Kasturi Devi Kanniah, Chong Khai Loong
View ADD <input type="checkbox"/>	Paper Code: FR1.L3.2 Paper Number: 2027
	Title: ALTERNATING ANGLE MINIMIZATION BASED UNMIXING WITH ENDMEMBER VARIABILITY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR1.L3: Spectral Unimixing Techniques I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Rob Heylen, Paul Scheunders, Alina Zare, Paul Gader
View ADD <input type="checkbox"/>	Paper Code: FR1.L10.1 Paper Number: 2029
	Title: RETRIEVAL OF PADDY RICE VARIABLES DURING THE GROWTH SEASON WITH A MODIFIED WATER CLOUD MODEL ON POLARIMETRIC RADAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: FR1.L10: PolSAR and PolInSAR Information Extraction I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Zhi Yang, Kun Li, Yun Shao, Brian Brisco, Long Liu
View ADD <input type="checkbox"/>	Paper Code: FR2.L5.4 Paper Number: 2030
	Title: INTEGRATION OF REMOTE SENSING DERIVED PARAMETERS IN A CROP MODEL: CASE OF HAY
	Topic: Land Applications: Agriculture
	Session: FR2.L5: Computational Techniques for Crop Monitoring and Classification
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Mohammad El Hajj, Nicolas Baghdadi, Bruno Cheviron, Gilles Belaud, Mehrez Zribi
View	Paper Code: TU3.L9.2 Paper Number: 2032
	Title: IMPACT OF ANTENNA TUNING ON SMOS CORRELATION LOSS

ADD <input type="checkbox"/>	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU3.L9: Aperture Synthesis Radiometry
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Francesc Torres, Israel Durán, Ignasi Corbella, Núria Duffo, Josep Closa, Roger Oliva, Manuel Martín-Neira
View ADD <input type="checkbox"/>	Paper Code: TU1.L12.4 Paper Number: 2033
	Title: DETECTION OF WIND FIELDS FROM PALSAR-2
	Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications
	Session: TU1.L12: SAR Remote Sensing for Ocean Applications I
	Time: Tuesday, July 12, 08:20 - 10:00
Authors: Osamu Isoguchi, Masanobu Shimada	
View ADD <input type="checkbox"/>	Paper Code: MOP.P1.1 Paper Number: 2035
	Title: AN IMPROVED METHOD OF COMPENSATING THE MUTUAL COUPLING EFFECT FOR APERTURE SYNTHESIS RADIOMETERS
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P1: Aperture Synthesis Radiometry
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Hailiang Lu, Qingxia Li, Wenchao Zheng, Qianqian Zhang, Yanhua Li, Yue Yuan
View ADD <input type="checkbox"/>	Paper Code: TH2.L4.4 Paper Number: 2036
	Title: INTEGRATION OF PASSIVE AND ACTIVE MICROWAVE DATA FROM SMAP, AMSR2 AND SENTINEL-1 FOR SOIL MOISTURE MONITORING
	Topic: Invited Sessions: Applications of SMAP Data for Science and Society: A showcase of SMAP Early Adopter Research
	Session: TH2.L4: Applications of SMAP Data for Science and Society: A Showcase of SMAP Early Adopter Research II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Emanuele Santi, Simonetta Paloscia, Simone Pettinato, Dara Entekhabi, Seyed Hamed Alemohammad, Alexandra G. Konings
View ADD <input type="checkbox"/>	Paper Code: THP.P13.66 Paper Number: 2037
	Title: DOPPLER WALK RECTIFICATION BASED ON KWT IN PASSIVE RADAR
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P13: Ground Based Radar and Optical Systems

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xin Guan, Lihua Zhong, Donghui Hu, Chibiao Ding
View	Paper Code: THP.P4.19 Paper Number: 2039
ADD <input type="checkbox"/>	Title: GLOBAL SENSITIVITY ANALYSIS OF WINTER WHEAT YIELD AND PROCESS-BASED VARIABLE WITH AQUACROP MODEL
	Topic: Land Applications: Agriculture
	Session: THP.P4: Computational Techniques in Agriculture
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Huimin Xing, Xingang Xu, Fuqin Yang, Haikuan Feng, Guijun Yang
View	Paper Code: TH3.L10.1 Paper Number: 2040
ADD <input type="checkbox"/>	Title: COASTAL ZONE LAND-USE CLASSIFICATION OF FULL-POLARIZATION SAR DATA BASED ON JOINT SPARSE
	Topic: Invited Sessions: SAR Polarimetry: Theory and Applications
	Session: TH3.L10: SAR Polarimetry: Theory and Applications I
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Shuiping Gou, Peng Wang, Xiaofeng Li, Licheng Jiao
View	Paper Code: WE4.L3.3 Paper Number: 2043
ADD <input type="checkbox"/>	Title: LAND COVER BLENDING: A NEW FRAMEWORK TO GENERATE HIGH SPATIAL AND TEMPORAL RESOLUTION LAND COVER MAPS FROM REMOTELY SENSED IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE4.L3: Analysis of Image Time Series: Optical Sensors I
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Xiaodong Li, Feng Ling, Yun Du
View	Paper Code: FR2.L3.2 Paper Number: 2046
ADD <input type="checkbox"/>	Title: SPARSE DISTRIBUTED HYPERSPECTRAL UNMIXING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR2.L3: Spectral Unimixing Techniques II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Jakob Sigurdsson, Magnus Ulfarsson, Johannes Sveinsson, Jose Bioucas-Dias
View	Paper Code: TU2.L12.3 Paper Number: 2047

ADD <input type="checkbox"/>	<p>Title: NEW GENERATION POLARIMETRIC SARS FOR SEA OIL SLICK OBSERVATION: FULL-POLARIMETRIC VS COMPACT-POLARIMETRIC ARCHITECTURES</p> <p>Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications</p> <p>Session: TU2.L12: SAR Remote Sensing for Ocean Applications II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Andrea Buono, Ferdinando Nunziata, Maurizio Migliaccio</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE1.L10.3 Paper Number: 2048</p> <p>Title: EMERGENCY OBSERVATION AND DISASTER MONITORING PERFORMED BY ALOS-2 PALSAR-2</p> <p>Topic: Invited Sessions: ALOS-2</p> <p>Session: WE1.L10: ALOS-2 I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Ryo Natsuaki, Takeshi Motohka, Manabu Watanabe, Masato Ohki, Rajesh B. Thapa, Hiroto Nagai, Takeo Tadono, Masanobu Shimada, Shinichi Suzuki</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH4.L11.2 Paper Number: 2049</p> <p>Title: LANDSLIDES ANALYSIS IN WESTERN MOUNTAINOUS AREAS OF CHINA USING DISTRIBUTED SCATTERERS BASED INSAR</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: TH4.L11: Earthquake & Subsidence</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Jie Dong, Jianya Gong, Mingsheng Liao, Lu Zhang, Xuguo Shi, Yuzhou Liu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P33.175 Paper Number: 2051</p> <p>Title: CROSS-CALIBRATION FOR HIGH RESOLUTION SENSOR DATA WITH NARROW FIELD OF VIEW</p> <p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TUP.P33: Optical Sensors and Calibration II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Aixia Yang, Bo Zhong, Wenbo Lv, Shanlong Wu, Qinhua Liu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH4.L11.3 Paper Number: 2052</p> <p>Title: USE OF REMOTE SENSING AND TOPOGRAPHIC SLOPE IN EVALUATING SEISMIC SITE-CONDITIONS IN DAMASCUS REGION</p>

	<p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: TH4.L11: Earthquake & Subsidence</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Raed Ahmad, Ramesh P. Singh</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L12.4 Paper Number: 2053</p> <p>Title: A NEW LOOK AT THE OLD SEA OIL SLICK OBSERVATION PROBLEM: OPPORTUNITIES AND PITFALLS OF SAR POLARIMETRY</p> <p>Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations</p> <p>Session: WE3.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Ferdinando Nunziata, Andrea Buono, Maurizio Migliaccio</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P20.114 Paper Number: 2054</p> <p>Title: ARRAY CONFIGURATION OPTIMIZATION FOR ONE-DIMENSIONAL NONUNIFORM APERTURE SYNTHESIS RADIOMETERS</p> <p>Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration</p> <p>Session: MOP.P20: Microwave Radiometer Calibration and Emerging Techniques</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Li Feng, Qingxia Li, Minghu Wu, Yufang Li, Dongjian Wang, Pengcheng Gong, Jie Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P37.209 Paper Number: 2055</p> <p>Title: 3-D TARGET HEIGHT EXTRACTION VIA HIGH SQUINT AIRBORNE SAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Tomography and 3D mapping</p> <p>Session: THP.P37: Tomography and 3D Mapping I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Tonghuan Yu, Weihai Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P43.274 Paper Number: 2057</p> <p>Title: BERNOULLI FILTER FOR JOINT DETECTION AND TRACKING OF TARGET WITH LOW SIGNAL TO CLUTTER RATIO</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p>

Session: MOP.P43: Vehicle and Aircraft Detection
Time: Monday, July 11, 17:20 - 19:00
Authors: Xinglin Shen, Zhiyong Song, Qiang Fu

View ADD <input type="checkbox"/>	Paper Code: TUP.P15.82 Paper Number: 2058
	Title: A GENETIC-OPTIMIZED MULTI-ANGLE NORMALIZED CROSS CORRELATION SIFT FOR AUTOMATIC REMOTE SENSING REGISTRATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P15: Data Fusion Techniques: Optical Sensors Fusion
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yingying Li, Qingjie Liu, Linhai Jing, Shuo Liu, Fengxian Miao

View ADD <input type="checkbox"/>	Paper Code: WEP.P10.55 Paper Number: 2059
	Title: EARTHQUAKE-INDUCED BUILDING DAMAGE DETECTION METHOD BASED ON NORMAL COMPUTATION OF NEIGHBORING POINTS SEARCHING ON 2D-PLANE
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P10: Earthquake
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Shusong Huang, Aixia Dou, Xiaoqing Wang, Jinxia Wang

View ADD <input type="checkbox"/>	Paper Code: TU3.L9.4 Paper Number: 2060
	Title: ANTENNA ARRAY OPTIMAIZATION FOR MIRRORED APERTURE SYNTHESIS WITH AUTOCORRELATION
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU3.L9: Aperture Synthesis Radiometry
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Haofeng Dou, Qingxia Li, Ke Chen, Gongwei Li, Guanghui Zhao, Chen Ye

View ADD <input type="checkbox"/>	Paper Code: WEP.P19.110 Paper Number: 2064
	Title: SIMULATION AND ANALYSIS ON THE INFLUENCE OF DIFFERENT TYPES OF SOIL BACKGROUND ON THE REMOTE SENSING INFOMATION OF WHEAT NDVI OF FARMLAND
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science
	Session: WEP.P19: Geographic Information Science I
	Time: Wednesday, July 13, 17:20 - 19:00

Authors: Yuchen Fang, Peiyan Wang, Jingming Chen, Qingjiu Tian	
View ADD <input type="checkbox"/>	Paper Code: WEP.P7.40 Paper Number: 2065
	Title: GEO-UAV Bistatic Circular Synthtic Aperture Radar: Concepts and Technologies
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Bistatic and digital beamforming SAR
	Session: WEP.P7: Bistatic and Digital Beamforming SAR II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Qilei Zhang, Zhen Dong, Yongsheng Zhang, Zhihua He
View ADD <input type="checkbox"/>	Paper Code: FR4.L11.4 Paper Number: 2066
	Title: COMPARISON OF MODIS AND LANDSAT-8 RETRIEVALS OF CHLOROPHYLL-A AND WATER TEMPERATURE OVER LAKE TITICACA
	Topic: Land Applications: Inland Waters
	Session: FR4.L11: Inland Waters
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Antonio Ruiz-Verdú, Juan Carlos Jiménez, Xavier Lazzaro, Carolina Tenjo, Jesús Delegido, Marcela Pereira, José Antonio Sobrino, José Moreno
View ADD <input type="checkbox"/>	Paper Code: TUP.P30.161 Paper Number: 2067
	Title: RESEARCH ON CR-BASED OFFSET TECHNIQUE FOR MINING DEFORMATION MONITORING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P30: Multitemporal InSAR Analysis
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yufen Niu, Chaoying Zhao, Qin Zhang, Wu Zhu, Chengsheng Yang, Zhong Lu
View ADD <input type="checkbox"/>	Paper Code: THP.P27.148 Paper Number: 2068
	Title: A SPEED-UP SEED POINT OTSU METHOD FOR SHIP DETECTION IN VARIOUS SCENARIOS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P27: SAR Data Processing and Target Detection
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Qiang Li, Weihai Li, Huiling Wu, Liang Xu, Tonghuan Yu

View	Paper Code: WE2.L5.2 Paper Number: 2069
ADD <input type="checkbox"/>	Title: ASSESSING THE FACTORS DETERMINING THE RELATIONSHIP BETWEEN SOLAR-INDUCED CHLOROPHYLL FLUORESCENCE AND GPP
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: WE2.L5: Vegetation Monitoring by Optical Instruments II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Tianxiang Cui, Rui Sun, Chen Qiao
View	Paper Code: TUP.P21.112 Paper Number: 2070
ADD <input type="checkbox"/>	Title: An Advanced Hyperspectral Band Selection Approach Based on Mutual Information
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P21: Feature Extraction and Reduction VI
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Wenqiang Zhang, Xiaorun Li, Liaoying Zhao
View	Paper Code: MOP.P19.104 Paper Number: 2072
ADD <input type="checkbox"/>	Title: ADAPTIVE MEASUREMENT METHOD OF SIGNAL TO NOISE RATIO CURVE FOR HIGH RESOLUTION REMOTE SENSING IMAGE
	Topic: Mission, Sensors and Calibration: Satellite Missions
	Session: MOP.P19: Microwave and Optical Calibration
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yiyun Man, Haichao Li
View	Paper Code: WE2.L3.4 Paper Number: 2073
ADD <input type="checkbox"/>	Title: HYPERSPECTRAL ENDMEMBER EXTRACTION AND UNMIXING BY A NOVEL SPATIAL-SPECTRAL PREPROCESSING MODULE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE2.L3: Change Detection in Optical Images
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Fatemeh Kowkabi, Hassan Ghassemian, Ahmad Keshavarz
View	Paper Code: TUP.P13.64 Paper Number: 2074
ADD <input type="checkbox"/>	Title: CLASSIFICATION OF CLOUDY HYPERSPECTRAL IMAGE AND LIDAR DATA BASED ON FEATURE FUSION AND DECISION FUSION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion

	<p>Session: TUP.P13: Data Fusion Techniques: Active / Passive Sensor Fusion</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Renbo Luo, Wenzhi Liao, Hongyan Zhang, Youguo Pi, Wilfried Philips</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P16.91 Paper Number: 2075</p> <p>Title: AGRICULTURE FLOOD RISK ASSESSMENT BASED ON INFORMATION DIFFUSION</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P16: Floods</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Sun Zhangli, Liu Xianfeng, Zhu Xiufang, Pan Yaozhong</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P18.101 Paper Number: 2076</p> <p>Title: MAPPING OF THE HYDROTHERMAL MINERAL ALTERATION ZONES USING ASTER DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P18: Land Targets</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Qian Feng, Binbin He</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L5.2 Paper Number: 2078</p> <p>Title: COUPLING SAR C-BAND AND OPTICAL DATA FOR SOIL MOISTURE AND LEAF AREA INDEX RETRIEVAL OVER IRRIGATED GRASSLANDS</p> <p>Topic: Invited Sessions: Remote Sensing for Ecology</p> <p>Session: WE4.L5: Remote Sensing for Ecology II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Nicolas Baghdadi, Mohammad El Hajj, Mehrez Zribi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L10.4 Paper Number: 2080</p> <p>Title: EXPLOITING SENTINEL 1 TIME SERIES TO MONITOR THE LARGEST FRESH WATER BODIES IN PR CHINA, THE POYANG LAKE</p> <p>Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results</p> <p>Session: WE3.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p>

	Authors: Hervé Yésou, Huber Claire, Sadri Haouet, Xijun Lai, Shifeng Huang, Paul De Fraipont, Yves-Louis Desnos
View ADD <input type="checkbox"/>	Paper Code: WE4.L4.5 Paper Number: 2081 Title: EVALUATION OF THE MODIS AND GLASS ALBEDO PRODUCTS OVER THE HEIHE RIVER BASIN, CHINA Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks Session: WE4.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks II Time: Wednesday, July 13, 15:40 - 17:20 Authors: Xiaodan Wu, Qing Xiao, Jianguang Wen, Mingguo Ma, Dongqin You
View ADD <input type="checkbox"/>	Paper Code: TU3.L4.5 Paper Number: 2083 Title: EVALUATION OF ERRORS INDUCED BY SOIL DIELECTRIC MODELS FOR SOIL MOISTURE RETRIEVAL AT L-BAND Topic: Land Applications: Soils and Soil Moisture Session: TU3.L4: Passive Microwave Satellite Products Time: Tuesday, July 12, 13:30 - 15:10 Authors: Peng Guo, Jiancheng Shi, Bo Gao, Hong Wan
View ADD <input type="checkbox"/>	Paper Code: WEP.P38.208 Paper Number: 2084 Title: Neural network based automatic sea ice classification for CL-pol RISAT-1 imagery Topic: Cryosphere: Sea Ice Session: WEP.P38: Sea Ice I Time: Wednesday, July 13, 17:20 - 19:00 Authors: Rudolf Ressel, Suman Singha, Susanne Lehner
View ADD <input type="checkbox"/>	Paper Code: THP.P9.45 Paper Number: 2085 Title: DOWN-SCALING SRTM SLOPE BASED ON HISTOGRAM MATCHING AND SLOPE DISTRIBUTION MODEL Topic: Land Applications: Topography, Geology and Geomorphology Session: THP.P9: Digital Terrain Models Time: Thursday, July 14, 17:20 - 19:00 Authors: Chunmei Wang, Qinke Yang, Jiabin Wen, David L.B. Jupp
View ADD <input type="checkbox"/>	Paper Code: MOP.P19.106 Paper Number: 2086 Title: SMOS RFI Mitigation Using Array Factor Synthesis of Synthetic Aperture Interferometric Radiometry

	Topic: Mission, Sensors and Calibration: Satellite Missions
	Session: MOP.P19: Microwave and Optical Calibration
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jun Li, Fei Hu, Feng He, Liang Wu, Xiaohui Peng
View ADD <input type="checkbox"/>	Paper Code: WEP.P33.184 Paper Number: 2088
	Title: METRIC LEARNING BASED COLLAPSED BUILDING EXTRACTION FROM POST-EARTHQUAKE POLSAR IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P33: POL and POLInSAR IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Hao Dong, Xin Xu, Rong Gui, Chao Song, Haigang Sui
View ADD <input type="checkbox"/>	Paper Code: WEP.P24.133 Paper Number: 2089
	Title: TREE POINT CLOUDS REGISTRATION USING AN IMPROVED ICP ALGORITHM BASED ON KD-TREE
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: WEP.P24: Lidar Systems and Techniques
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Shihua Li, Jingxian Wang, Zuqin Liang, Lian Su
View ADD <input type="checkbox"/>	Paper Code: TUP.P8.39 Paper Number: 2091
	Title: SPECTRAL-SPATIAL CLASSIFICATION OF HYPERSPECTRAL IMAGES VIA MULTISCALE SUPERPIXELS BASED SPARSE REPRESENTATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P8: Classification of Hyperspectral Image III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Shuzhen Zhang, Shutao Li
View ADD <input type="checkbox"/>	Paper Code: WE1.L4.5 Paper Number: 2092
	Title: GLOBAL MAPPING OF LANDSCAPE FREEZE/THAW STATE FROM THE WATER CYCLE OBSERVATION MISSION (WCOM)
	Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress
	Session: WE1.L4: Water Cycle Observation Mission (WCOM): Development and Progress I
	Time: Wednesday, July 13, 08:20 - 10:00

	Authors: Tianjie Zhao, Jiancheng Shi, Tianxing Wang, Dabin Ji, Chuan Xiong, Tongxi Hu
View ADD <input type="checkbox"/>	Paper Code: THP.P9.49 Paper Number: 2093
	Title: DIGITAL FIELD BOOK FOR GEOSCIENCES
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P9: Digital Terrain Models
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Joice Cagliari, Farlei Heinen, Débora P. Gallon, Luiz Gonzaga Jr., Mauricio Roberto Veronez, Francisco M. W. Tognoli
View ADD <input type="checkbox"/>	Paper Code: FR1.L3.3 Paper Number: 2094
	Title: COLLABORATIVE SPARSE UNMIXING OF HYPERSPECTRAL DATA USING L2,P NORM
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR1.L3: Spectral Unimixing Techniques I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Dan Wang, Zhenwei Shi, Wei Tang
View ADD <input type="checkbox"/>	Paper Code: MOP.P37.235 Paper Number: 2095
	Title: FAST SHIP DETECTION FOR SCANSAR MODE IN WIDE SEA AREAS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P37: Ship Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Ning Li, Robert Wang, Yunkai Deng, Zhimin Zhang, Chunhui Zhou
View ADD <input type="checkbox"/>	Paper Code: TU3.L12.3 Paper Number: 2096
	Title: CROSS-POLARIZED C-BAND SEA-SURFACE NRCS OBSERVATIONS IN EXTREME WINDS
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: TU3.L12: Remote Sensing of High Winds
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Joseph Sapp, Paul Chang, Zorana Jelenak, Stephen Frasier, Tom Hartley
View ADD <input type="checkbox"/>	Paper Code: THP.P14.74 Paper Number: 2097
	Title: Particle Swarm Optimization Algorithm for Unmixing PPNMM Bilinear Model

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P14: Hyperspectral Data Processing and Analysis</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Liang Zhong, Wenfei Luo, Lianru Gao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L6.4Paper Number: 2098</p> <p>Title: ASSESSMENT OF 1" SRTM DATA QUALITY IN CHINA TAKING LOESS HILLY AREA AS AN EXAMPLE</p> <p>Topic: Land Applications: Topography, Geology and Geomorphology</p> <p>Session: TH1.L6: Digital Terrain Models</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Chunmei Wang, Qinke Yang, Guwei Pang, Boqing Wen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P20.115Paper Number: 2099</p> <p>Title: ARRAY CONFIGURATION OPTIMIZATION FOR ROTATING MIRRORED APERTURE SYNTHESIS (RMAS)</p> <p>Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration</p> <p>Session: MOP.P20: Microwave Radiometer Calibration and Emerging Techniques</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yufang Li, Qingxia Li, Rong Jin, Li Feng, Haofeng Dou, Hang Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P24.128Paper Number: 2101</p> <p>Title: DISCRIMINATIVE WEIGHTED BAND SELECTION VIA ONE-CLASS SVM FOR HYPERSPECTRAL IMAGERY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P24: Hyperspectral Imagery Band Selection Dimensionality Reduction</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Yu Tang, Enlong Fan, Cheng Yan, Xiao Bai, Jun Zhou</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L2.3Paper Number: 2103</p> <p>Title: TERRAIN CLASSIFICATION WITH POLARIMETRIC SAR BASED ON DEEP SPARSE FILTERING NETWORK</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: MO4.L2: SAR Image Feature Extraction and Filtering</p>

	Time: Monday, July 11, 15:40 - 17:20
	Authors: Hongying Liu, Qiang Min, Chen Sun, Jin Zhao, Shuyuan Yang, Biao Hou, Jie Feng, Licheng Jiao
View ADD <input type="checkbox"/>	Paper Code: THP.P29.160 Paper Number: 2104
	Title: JOINT CALIBRATION FOR THREE-DIMENSIONAL LOCATION AND BACKSCATTER DISTORTION DURING SAR INTERFEROMETRY MAPPING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P29: SAR Interferometry II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yongfei Mao, Wenjun Gao, Yunzhong Han
View ADD <input type="checkbox"/>	Paper Code: TUP.P5.24 Paper Number: 2107
	Title: MULTI-SENSOR OPTICAL REMOTE SENSING IMAGE REGISTRATION BASED ON LINE-POINT INVARIANT
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P5: Analysis of Multi-view Data
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xianmin Wang, Qizhi Xu
View ADD <input type="checkbox"/>	Paper Code: THP.P30.167 Paper Number: 2108
	Title: INTERFEROMETRIC COSMO-SKYMED SPOTLIGHT DEM GENERATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P30: SAR Interferometry III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Nunzia Lombardi, Rino Lorusso, Luca Fasano, Giovanni Milillo
View ADD <input type="checkbox"/>	Paper Code: TU4.L12.2 Paper Number: 2113
	Title: A DAMPED NEWTON VARIATIONAL INVERSION FOR SYNTHETIC APERTURE RADAR WIND RETRIEVAL
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: TU4.L12: Ocean Surface Winds
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Zhuhui Jiang, Yuanxiang Li, Weidong Xiang, Fangjie Yu, Wenxian Yu

View ADD <input type="checkbox"/>	Paper Code: MOP.P41.257 Paper Number: 2114
	Title: RED-EDGE RATIO NORMALIZED VEGETATION INDEX FOR REMOTE ESTIMATION OF GREEN BIOMASS
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P41: Vegetation Monitoring II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jisung Chang, Maxim Shoshany
View ADD <input type="checkbox"/>	Paper Code: FR4.L2.4 Paper Number: 2115
	Title: SUPER-RESOLUTION RECONSTRUCTION OF HYPERSPECTRAL IMAGES VIA LOW RANK TENSOR MODELING AND TOTAL VARIATION REGULARIZATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: FR4.L2: Image Denoising and Compression
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Shiyong He, Haiwei Zhou, Yao Wang, Wenfei Cao, Zhi Han
View ADD <input type="checkbox"/>	Paper Code: MOP.P38.239 Paper Number: 2118
	Title: ROAD DETECTION IN HIGH-RESOLUTION SAR IMAGES USING DUDA AND PATH OPERATORS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P38: Urban Targets and Roads
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Fanghong Xiao, Yan Chen, Ling Tong, Lei He, Longfei Tan, Baolong Wu
View ADD <input type="checkbox"/>	Paper Code: TUP.P28.146 Paper Number: 2119
	Title: SURFACE WATER CHANGE DETECTION USING CHANGE VECTOR ANALYSIS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P28: Multitemporal Analysis Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Chang Huang, Xiaoyu Zan, Xuewen Yang, Shiqiang Zhang
View ADD <input type="checkbox"/>	Paper Code: TU4.L2.1 Paper Number: 2120
	Title: FAST SEMI-SUPERVISED CLASSIFICATION BASED ON PARALLEL AUCTION GRAPH FOR POLARIMETRIC SAR DATA

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TU4.L2: SAR Image Classification</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Hongying Liu, Xing Xing, Shigang Wang, Zhixi Feng, Erlei Zhang, Shuyuan Yang, Biao Hou, Licheng Jiao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P3.16Paper Number: 2121</p> <p>Title: EXTRACT SEISMIC DEFORMATION FIELD USING CHINESE OPTICAL SATELLITES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P3: Analysis of Multitemporal Optical Images</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Xue Li, Xiaoli Liu, Qing Wang, Yonghua Jiang, Liang Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P36.200Paper Number: 2123</p> <p>Title: A NEW BROADBAND REFLECTARRAY ANTENNA USING NOVEL SINGLE-LAYER ELEMENTS</p> <p>Topic: Mission, Sensors and Calibration: Small Satellite Technology</p> <p>Session: WEP.P36: Radar Remote Sensing Missions II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Fei Xue, Hongjian Wang, Min Yi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P31.165Paper Number: 2124</p> <p>Title: A NOVEL LOCAL DESPECKLING ALGORITHM FOR SAR IMAGE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P31: Noise Reduction Techniques</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Wentao Lv, Jintai Yang, Weiqiang Xu, Xiaomin Bao, Xiaocheng Yang, Long Wu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L4.5Paper Number: 2125</p> <p>Title: DEVELOPMENT OF SNOW RETRIEVAL ALGORITHM BASED ON THE MICROWAVE RADIATIVE TRANSFER MODEL FOR MULTIPLE SNOW LAYERS AND VARIOUS LAND SURFACE PARAMETERS</p> <p>Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow</p> <p>Session: FR1.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow I</p>

	Time: Friday, July 15, 08:20 - 10:00
	Authors: Hiroyuki Tsutsui
View ADD <input type="checkbox"/>	Paper Code: TU1.L2.5 Paper Number: 2126
	Title: LIDAR INFORMATION EXTRACTION BY ATTRIBUTE FILTERS WITH PARTIAL RECONSTRUCTION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TU1.L2: LIDAR Feature Extraction and Analysis
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Wenzhi Liao, Mauro Dalla Mura, Xin Huang, Jocelyn Chanussot, Sidharta Gautama, Paul Scheunders, Wilfried Philips
View ADD <input type="checkbox"/>	Paper Code: FR2.L8.4 Paper Number: 2130
	Title: Phase synchronization method for distributed spaceborne FMCW SAR system
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: FR2.L8: Radar Remote Sensing Missions
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Zihua He, Guanghu Jin, Feng He, Qilei Zhang, Zhen Dong, Haifeng Huang, Guozhong Chen
View ADD <input type="checkbox"/>	Paper Code: FR4.L5.5 Paper Number: 2131
	Title: GRASSLAND FRACTIONAL VEGETATION COVER MONITORING USING THE COMPOSITED HJ-1A/B TIME SERIES IMAGES AND UNMANNED AERIAL VEHICLES: A CASE STUDY IN ZOIGE WETLAND, CHINA
	Topic: Land Applications: Wetlands
	Session: FR4.L5: Wetlands and Inland Water
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Jinhua Bian, Ainong Li, Zhengjian Zhang, Wei Zhao, Guangbin Lei, Haoming Xia, Jianbo Tan
View ADD <input type="checkbox"/>	Paper Code: TUP.P25.132 Paper Number: 2132
	Title: STUDY OF LAND USE/COVER CLASSIFICATION BASED ON DECISION RULES AND MULTI-FEATURES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P25: Image Analysis and Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Huan Pei, Shifeng Fang, Yong Wei, Xiaoyan Wang

View ADD <input type="checkbox"/>	Paper Code: TU3.L4.1 Paper Number: 2134
	Title: ASSESSMENT OF QP MODEL BASED TWO CHANNEL ALGORITHM WITH JAXA, LPRM SOIL MOISTURE PRODUCTS OVER GENHE AREA IN CHINA
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU3.L4: Passive Microwave Satellite Products
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Huizhen Cui, Lingmei Jiang, Jinyang Du, Gongxue Wang, Zheng Lu
View ADD <input type="checkbox"/>	Paper Code: WEP.P32.177 Paper Number: 2136
	Title: UNSUPERVISED CLASSIFICATION OF THE WEAK BACKSCATTERING SCATTERERS BY THE USE OF POLSAR IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P32: POL and POLInSAR III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Lingli Zhao, Jie Yang, Pingxiang Li, Lei Shi, Jinyan Xu
View ADD <input type="checkbox"/>	Paper Code: FR3.L7.2 Paper Number: 2137
	Title: A SEMANTIC SCENE MODEL FOR MULTITEMPORAL DETECTION OF URBAN VILLAGES IN MEGA CITY REGIONS OF CHINA
	Topic: Land Applications: Urban and Built Environment
	Session: FR3.L7: Optical Urban Remote Sensing
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Hui Liu, Xin Huang, Liangpei Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P2.7 Paper Number: 2138
	Title: BUILT-UP AREA EXTRACTION USING DATA FIELD FROM HIGH-RESOLUTION SATELLITE IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P2: Building Features Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yixiang Chen, Kun Qin, Houjun Jiang, Tao Wu, Ye Zhang
View ADD <input type="checkbox"/>	Paper Code: TU2.L3.3 Paper Number: 2139
	Title: AIRCRAFT RECOGNITION IN HIGH RESOLUTION SAR IMAGES USING SALIENCY MAP AND SCATTERING STRUCTURE FEATURES

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: TU2.L3: Detection with High Resolution Images</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Fangzheng Dou, Wenhui Diao, Xian Sun, Siyu Wang, Kun Fu, Guangluan Xu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P37.236Paper Number: 2141</p> <p>Title: SHIP DETECTION BASED ON THE POWER OF THE RADARSAT-2 POLARIMETRIC DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P37: Ship Detection</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Tao Zhang, Zhen Yang, Huilin Xiong, Wenxian Yu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P2.8Paper Number: 2142</p> <p>Title: MODELING BACKSCATTER REFLECTIVITY OF KU-BAND SAR ON PERIODIC STRUCTURES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P2: Building Features Detection</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Takuma Anahara, Hirokazu Hoshino</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L10.1Paper Number: 2144</p> <p>Title: RANGE AMBIGUITY SUPPRESSION FOR MULTI-CHANNEL SAR SYSTEM NEAR SINGULAR POINTS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Bistatic and digital beamforming SAR</p> <p>Session: TU3.L10: Bistatic and Digital Beamforming SAR I</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Lei Guo, Xiaomin Tan, Hongxing Dang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L2.1Paper Number: 2145</p> <p>Title: FEATURE EXTRACTION AND CLASSIFICATION OF OCEAN OIL SPILL BASED ON SAR IMAGE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TU2.L2: Feature Extraction and Application</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p>

	Authors: Peng Zhao, Xun Yang, Yan Chen, Ling Tong, Lei He
View ADD <input type="checkbox"/>	Paper Code: TUP.P16.85 Paper Number: 2146
	Title: EXTENDED GIHS FUSION FOR PAN-SHARPENING BASED ON IMAGE MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P16: Data Fusion Techniques: Pansharpening and Superresolution
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zeming Zhou, Yong Meng, Pinglv Yang, Biao Hu, Chaoqian Chen
View ADD <input type="checkbox"/>	Paper Code: WEP.P36.199 Paper Number: 2147
	Title: THE DESIGN AND IMPLEMENTATION OF SAR PAYLOAD FOR HJ-1-C SATELLITE
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: WEP.P36: Radar Remote Sensing Missions II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Weidong Yu, Ruliang Yang, Yunkai Deng, Hong Lei
View ADD <input type="checkbox"/>	Paper Code: MOP.P4.21 Paper Number: 2148
	Title: LOCALITY CONSTRAINED LOW-RANK REPRESENTATION FOR HYPERSPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P4: Classification of Hyperspectral Image II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Lei Pan, Heng-Chao Li, Xiang-Dong Chen
View ADD <input type="checkbox"/>	Paper Code: THP.P38.212 Paper Number: 2151
	Title: RANGE CALIBRATION OF AIRBORNE PROFILING RADAR USED IN FOREST INVENTORY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping
	Session: THP.P38: Tomography and 3D Mapping II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Ziyi Feng, Yuwei Chen, Teemu Hakala, Juha Hyyppä
View	Paper Code: WE4.L9.5 Paper Number: 2153

ADD <input type="checkbox"/>	<p>Title: ESTIMATION OF EVAPOTRANSPIRATION USING NONPARAMETRIC APPROACH UNDER ALL SKY: PRIMARY RESULTS AND ACCURACY EVALUATIONS</p> <p>Topic: Invited Sessions: Contributing to the Understanding of our Planet through Remote Sensing: A Mexican Perspective</p> <p>Session: WE4.L9: The Mexican Perspective to the Understanding of our Planet through Remote Sensing</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Xin Pan, Yuanbo Liu, Yingbao Yang, Xingwang Fan, Ruonan Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P21.113 Paper Number: 2154</p> <p>Title: EXTRACTION OF MICRO-DOPPLER SIGNAL BASED ON THE COMBINATION OF CLEAN AND L-STATISTICS METHOD</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P21: Feature Extraction and Reduction VI</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Yongpeng Dai, Hanhua Zhang, Xin Sun, Zhimin Zhou</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH3.L9.4 Paper Number: 2155</p> <p>Title: FIRST RESULTS FROM THE GLORIE POLARIMETRIC GNSS-R AIRBORNE CAMPAIGN DEDICATED TO LAND PARAMETERS ESTIMATION</p> <p>Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)</p> <p>Session: TH3.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) I</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Erwan Motte, Mehrez Zribi, Pascal Fanise, Frédéric Baup, Nicolas Baghdadi, Pierre-Louis Frison, Dominique Guyon, Laurent Lestarquit, Jean-Pierre Wigneron</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P4.17 Paper Number: 2156</p> <p>Title: BIAS ANALYSIS IN VALIDATION OF MODIS LAI PRODUCT: A CASE STUDY IN CROPLAND OF HUAILAI, NORTHERN CHINA</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P4: Computational Techniques in Agriculture</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Fu Lizhe, Qu Yonghua, Wang Jindi</p>

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P31.173Paper Number: 2157</p>
	<p>Title: A MODIFIED KCCA FOR CLUTTER SEPARATION IN AIRBORNE MIMO SAR</p>
	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p>
	<p>Session: THP.P31: SAR Processing and Applications</p>
	<p>Time: Thursday, July 14, 17:20 - 19:00</p>
<p>Authors: Yuguan Hou, Fuqiang Zhang, Yulong Fan</p>	

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P13.74Paper Number: 2158</p>
	<p>Title: Estimating surface broadband emissivity of the Xinjiang deserts Base on FTIR and MODIS data</p>
	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p>
	<p>Session: WEP.P13: Estimation and Regression Applications: Soil</p>
	<p>Time: Wednesday, July 13, 17:20 - 19:00</p>
<p>Authors: Yongqiang Liu, Huoqing Li, Mamtimin Ali, Wen Huo, Xinghua Yang, Qing He</p>	

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L4.5Paper Number: 2160</p>
	<p>Title: EVALUATION OF THE VALIDATED SOIL MOISTURE PRODUCT FROM THE SMAP RADIOMETER</p>
	<p>Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission</p>
	<p>Session: MO3.L4: Observations by the NASA Soil Moisture Active Passive Mission I</p>
	<p>Time: Monday, July 11, 13:30 - 15:10</p>
<p>Authors: Peggy O'Neill, Steven Chan, Andreas Colliander, Scott Dunbar, Eni G. Njoku, Rajat Bindlish, Fan Chen, Thomas Jackson, Mariko Burgin, Jeffrey Piepmeier, Simon Yueh, Dara Entekhabi, Michael Cosh, Todd Caldwell, Jeffrey Walker, Xiaoling Wu, Aaron Berg, Tracy Rowlandson, Anna Pacheco, Heather McNairn, Marc Thibeault, Jose Martinez-Fernandez, Angel Gonzalez-Zamora, Mark Seyfried, David Bosch, Patrick Starks, David Goodrich, John Prueger, Michael Palecki, Eric Small, Marek Zreda, Jean-Christophe Calvet, Wade Crow, Yann Kerr</p>	

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L7.4Paper Number: 2162</p>
	<p>Title: GLOBAL EVAPOTRANSPIRATION DERIVED BY ETMONITOR MODEL BASED ON EARTH OBSERVATIONS</p>
	<p>Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration</p>
<p>Session: MO3.L7: Remote Sensing of Land Surface Evapotranspiration I</p>	

	Time: Monday, July 11, 13:30 - 15:10
	Authors: Chaolei Zheng, Li Jia, Guangcheng Hu, Jing Lu, Kun Wang, Zhansheng Li
View ADD <input type="checkbox"/>	Paper Code: FR3.L4.5 Paper Number: 2163
	Title: Real-time SAR Processing of Ice-Sounding Data Integrated with Mitigation of RFI Signals
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: FR3.L4: Ice Sheets and Glaciers I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Shinan Lang, Qiang Wu, Xiaojun Liu, Bo Zhao, Xiuwei Chen
View ADD <input type="checkbox"/>	Paper Code: MO3.L2.2 Paper Number: 2164
	Title: LOCAL MANIFOLD LEARNING WITH ROBUST NEIGHBORS SELECTION FOR HYPERSPECTRAL DIMENSIONALITY REDUCTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: MO3.L2: Hyperspectral Band Selection and Dimensionality Reduction
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Dan Feng Hong, Naoto Yokoya, Xiao Xiang Zhu
View ADD <input type="checkbox"/>	Paper Code: TUP.P23.123 Paper Number: 2165
	Title: A THREE-DIMENSIONAL FILTERING METHOD FOR SPECTRAL-SPATIAL HYPERSPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P23: Feature Extraction and Reduction VIII
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Lin He, Xianjun Chen
View ADD <input type="checkbox"/>	Paper Code: MOP.P19.110 Paper Number: 2166
	Title: An Integration Time optimization Approach for Geo-SAR
	Topic: Mission, Sensors and Calibration: Satellite Missions
	Session: MOP.P19: Microwave and Optical Calibration
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Zhao Bingji, Zhang Qingjun, Liu Liping, Dai Chao, Liu Jie, Zhu Yu, Shu Weiping, Han Xiaolei, Huan Zhang
View	Paper Code: THP.P35.196 Paper Number: 2167

ADD <input type="checkbox"/>	Title: Non-metallic Pipe Detection using SF-GPR: A New Approach using Neural Network
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar
	Session: THP.P35: Subsurface Sensing
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Prabhat Sharma, Bambam Kumar, Dharmendra Singh, S P Gaba

View ADD <input type="checkbox"/>	Paper Code: TH3.L10.4 Paper Number: 2168
	Title: CROP SCATTERING ANALYSIS OF L-BAND POLSAR DATA FOR VEGETATION AND SOIL MONITORING
	Topic: Invited Sessions: SAR Polarimetry: Theory and Applications
	Session: TH3.L10: SAR Polarimetry: Theory and Applications I
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Matias Barber, Carlos López-Martínez, Francisco Grings

View ADD <input type="checkbox"/>	Paper Code: WEP.P7.36 Paper Number: 2169
	Title: ERROR ANALYSIS FOR THE BASELINE ESTIMATION AND CALIBRATION OF DISTRIBUTED INSAR SATELLITES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Bistatic and digital beamforming SAR
	Session: WEP.P7: Bistatic and Digital Beamforming SAR II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Shuyuan Zhao, Defeng Gu, Bin Yi, Dongyun Yi

View ADD <input type="checkbox"/>	Paper Code: FR3.L5.1 Paper Number: 2170
	Title: DAILY MAPPING OF LANDSAT-LIKE LAI AND CORRELATION TO GRAPE YIELD
	Topic: Land Applications: Agriculture
	Session: FR3.L5: Remote Sensing for Crop Water and Yield Estimation
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Liang Sun, Feng Gao, Martha Anderson, Wayne Dulaney, Lynn McKee, Alex White, William Kustas, Joe Alfieri, John Prueger

View ADD <input type="checkbox"/>	Paper Code: TU3.L4.3 Paper Number: 2172
	Title: Development of passive microwave retrieval algorithm for estimation of surface soil temperature from AMSR-E data
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU3.L4: Passive Microwave Satellite Products
	Time: Tuesday, July 12, 13:30 - 15:10

	Authors: Menglei Han, Hui Lu, Kun Yang
View ADD <input type="checkbox"/>	Paper Code: MOP.P40.252 Paper Number: 2174
	Title: ASSESSING THE EFFECTS OF UNDERSTORY TO FOREST CANOPY LEAF AREA INDEX BY COMBINING MODERATE RESOLUTION DATA AND GEOMETRIC OPTICAL (GO) MODEL IN TEMPERATE FOREST
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P40: Vegetation Monitoring I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Xiaoman Lu, Guang Zheng
View ADD <input type="checkbox"/>	Paper Code: TH4.L3.4 Paper Number: 2176
	Title: LONG-TERM GLOBAL RADIATION, CARBON AND WATER FLUXES DERIVED FROM MULTI-SATELLITE DATA AND A PROCESS-BASED MODEL
	Topic: Advancing the Understanding of Our Living Planet: Global Change Study
	Session: TH4.L3: Global Change Study
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Chongya Jiang, Youngryel Ryu
View ADD <input type="checkbox"/>	Paper Code: FR4.L2.2 Paper Number: 2178
	Title: Hyperspectral imagery denoising Using Covariance Matrix Estimation based Structured Sparse Coding and Intra-cluster Filtering
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: FR4.L2: Image Denoising and Compression
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Lei Zhang, Wei Wei, Yanning Zhang, Cong Wang
View ADD <input type="checkbox"/>	Paper Code: FR4.L1.1 Paper Number: 2179
	Title: OBJECT-BASED INSAR DEFORMATION RECONSTRUCTION WITH APPLICATION TO BRIDGE MONITORING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR4.L1: Differential SAR Interferometry II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Jian Kang, Yuanyuan Wang, Marco Körner, Xiao Xiang Zhu

View	Paper Code: MOP.P6.35 Paper Number: 2180
ADD <input type="checkbox"/>	Title: A DATA QUALITY CONTROL METHOD FOR KA-BAND CLOUD RADAR
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P6: Clouds and Precipitation: Ground-based Sensing
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jiafeng Zheng, Liping Liu, Jie Zhang, Keyun Zhu
View	Paper Code: THP.P11.57 Paper Number: 2181
ADD <input type="checkbox"/>	Title: THE STUDY OF SUSTAINABLE DEVELOPMENT OF ALPINE PASTORAL REGION IN EASTERN TIBETAN PLATEAU BASED ON THE MODEL OF EMERGY ECOLOGICAL FOOTPRINT
	Topic: Advancing the Understanding of Our Living Planet: Global Change Study
	Session: THP.P11: Global Change Study
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Cui Yu, Wenlong Li, Di Chen, Jing Xu, Xulin Guo
View	Paper Code: FR1.L1.1 Paper Number: 2187
ADD <input type="checkbox"/>	Title: A Sparse Optimization Method for Masking Effect Removal in Noise Synthetic Aperture Radar
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: FR1.L1: SAR Imaging Techniques VII
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Xiao Dong, Yunhua Zhang, Wenshuai Zhai
View	Paper Code: MOP.P39.243 Paper Number: 2189
ADD <input type="checkbox"/>	Title: ASSESMENT OF THE CORRELATION BETWEEN REFLECTANCE ANISOTROPY AND NDVI USING MODIS BRDF PRODUCT
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P39: Vegetation Monitoring by MODIS
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Hu Zhang, Ziti Jiao, Pengfei Liu, Yadong Dong, Yi Lian, Hongyuan Huo, Tiejun Cui
View	Paper Code: WEP.P9.48 Paper Number: 2190
ADD <input type="checkbox"/>	Title: THE VERTIFICATION OF CLIMATE DROUGHT DYNAMIC MONITORING IN ALPINE MEADOW BASED ON STANDARDIZED

	<p>PRECIPITATION INDEX AND GIS</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P9: Droughts</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xinlai Zhao, Wenlong Li, Yuting Zhao, Jing Xu, Xulin Guo</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L3.4 Paper Number: 2193</p> <p>Title: HYPERSPECTRAL UNMIXING ALGORITHM BASED ON NONNEGATIVE MATRIX FACTORIZATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR1.L3: Spectral Unimixing Techniques I</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Wenxing Bao, Qin Li, Liping Xin, Kewen Qu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P2.9 Paper Number: 2194</p> <p>Title: BUILDING EXTRACTION FROM STEREO AERIAL IMAGES BASED ON MULTI-LAYER LINE GROUPING WITH HEIGHT CONSTRAINT</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P2: Building Features Detection</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Lechuan Hao, Ye Zhang, Zhimin Cao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P43.272 Paper Number: 2195</p> <p>Title: AIRPLANE DETECTION IN REMOTE SENSING IMAGES BASED ON OBJECT PROPOSAL</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P43: Vehicle and Aircraft Detection</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Qinhan Luo, Zhenwei Shi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P14.76 Paper Number: 2196</p> <p>Title: Echo correlation analysis of targets with dominant scatterers in diversity MIMO radar</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P14: Feature Extraction and Detection Algorithm I</p>

	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jieyi Liu, Linrang Zhang, Shanshan Zhao, Nan Liu, Juan Zhang
View	Paper Code: THP.P17.89 Paper Number: 2197
ADD <input type="checkbox"/>	Title: Automated Extraction of Image-Based Endmember Bundles of Impervious Layer Using Iterative Classification Strategy
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P17: Information Extraction
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Fei Xu, Xin Cao, Xuehong Chen, Jin Chen
View	Paper Code: TUP.P39.213 Paper Number: 2199
ADD <input type="checkbox"/>	Title: INVERSION MODEL FOR THE SEMI-FLOODED AREA BASED ON RADAR BACKSCATTER MEASUREMENTS
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P39: SMAP Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zhihang Xue, Yan Chen, Lingjun Zeng, Lei He, Shiyu Luo, Ling Tong
View	Paper Code: WEP.P14.80 Paper Number: 2200
ADD <input type="checkbox"/>	Title: THE PRELIMINARY EVALUATION OF ALBEDO PRODUCTS FROM MCBI WITH IN SITU MEASUREMENT
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P14: Estimation and Regression Applications: Vegetation
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zhiming Feng, Jianguang Wen, Baocheng Dou, Dongqin You, Qing Xiao
View	Paper Code: MOP.P10.56 Paper Number: 2202
ADD <input type="checkbox"/>	Title: Capturing Implicit Knowledge in Earth Observation Data
	Topic: Data Management and Education: Data Management and Systems
	Session: MOP.P10: Data Management and Systems I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jitao Yang, Guoqing Li
View	Paper Code: THP.P28.154 Paper Number: 2203

ADD <input type="checkbox"/>	Title: A Novel Fast Phase Unwrapping Method for Large Interferometric Datasets
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P28: SAR Interferometry I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Zhibin Wang, Yanyang Liu, Zhenfang Li, Jinwei Li, Junli Chen

View ADD <input type="checkbox"/>	Paper Code: TH3.L7.4 Paper Number: 2207
	Title: NATIONAL SATELLITE IMAGE COVERAGE USING OVERALL PLANNING TECHNIQUE
	Topic: Data Management and Education: Data Management and Systems
	Session: TH3.L7: Data Management and Systems
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Tao Zhang, Bing Lei, Yuhang Gan, Yizhi Hu, Ke Liu

View ADD <input type="checkbox"/>	Paper Code: WE3.L3.4 Paper Number: 2208
	Title: ASSESSMENT OF SEASONAL VARIATIONS OF RADAR BACKSCATTERING COEFFICIENT USING SENTINEL-1 DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE3.L3: Analysis of Image Time Series: SAR Sensors
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Pietro Guccione, Angela Lombardi, Rossella Giordano

View ADD <input type="checkbox"/>	Paper Code: TU2.L4.5 Paper Number: 2213
	Title: SMOS SOIL MOISTURE DOWNSCALING BASED ON BACK PROPAGATION NEURAL NETWORK AND MODIS LST AND EVI
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU2.L4: Passive Microwave Soil Moisture I
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Hongtao Jiang, Huanfeng Shen

View ADD <input type="checkbox"/>	Paper Code: TH4.L3.1 Paper Number: 2214
	Title: GLOBAL WATER VAPOR CONTENT AND VEGETATION CHANGE ANALYSIS BASED ON REMOTE SENSING DATA
	Topic: Advancing the Understanding of Our Living Planet: Global Change Study
	Session: TH4.L3: Global Change Study
	Time: Thursday, July 14, 15:40 - 17:20

	Authors: K.B. Mao, Y. Ma, Z.Y. Zuo, Y.Q. Jiao, F. Wang, Q. Liu, Z.W. Sun
View ADD <input type="checkbox"/>	Paper Code: TU1.L3.1 Paper Number: 2217
	Title: OBJECT DETECTION CAPABILITY EVALUATION FOR SAR IMAGE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU1.L3: Object Detection
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Zheyuan Wang, Yuanxiang Li, Fangjie Yu, Wenxian Yu, Zhuhui Jiang, Yongke Ding
View ADD <input type="checkbox"/>	Paper Code: TUP.P18.95 Paper Number: 2218
	Title: A 3-D Electromagnetic-model-based algorithm for pose estimation using wideband radar
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P18: Electromagnetic Theory III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xiaoliang Yang, Gongjian Wen, Conghui Ma, Baiyuan Ding, Shaohua Qiu
View ADD <input type="checkbox"/>	Paper Code: WEP.P4.20 Paper Number: 2219
	Title: THE STUDY OF LONG-TERM AIR POLLUTION CHARACTERISTIC IN WUHAN, CHINA
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P4: Air Pollution
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xin Ma, Wei Gong, Zhongmin Zhu
View ADD <input type="checkbox"/>	Paper Code: MOP.P34.213 Paper Number: 2220
	Title: A METHOD FOR EXTRACTING INSAR IMAGE FEATURES OF NEGATIVE AND POSITIVE OBSTACLES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P34: SAR Imaging Techniques VII
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Zhibiao Jiang, Qian Song, Jian Wang, Zhimin Zhou
View	Paper Code: THP.P8.43 Paper Number: 2222

<p>ADD <input type="checkbox"/></p>	<p>Title: LAND SUBSIDENCE CHARACTERISTICS OF CHANGZHOU AS REVEALED BY TIME-SERIES ANALYSIS METHOD USING MULTI-SENSOR INSAR DATASETS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: THP.P8: Differential SAR Interferometry IV</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Yanyan Lu, Changqing Ke, Hui Lin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P24.127Paper Number: 2224</p> <p>Title: REMOTE SENSING IMAGE SEGMENTATION BASED ON WILCOXON RANK SUM TEST AND MEAN ABSOLUTE DEVIATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation</p> <p>Session: THP.P24: Remote Sensing Image Segmentation II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Libao Zhang, Shuang Wang, Qiaoyue Sun, Aoxue Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L6.2Paper Number: 2226</p> <p>Title: Pansharpening of Hyperspectral Images: exploiting data acquired by multiple platforms</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR2.L6: Hyperspectral Pansharpening</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Daniele Picone, Rocco Restaino, Gemine Vivone, Paolo Addesso, Jocelyn Chanussot</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P37.201Paper Number: 2229</p> <p>Title: POTENTIAL USE OF RADARSAT-2 POLARIMETRIC PARAMETERS FOR ESTIMATING SOIL MOISTURE IN PRAIRIE AREAS</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P37: Radar Soil Moisture II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Xiaojing Bai, Binbin He, Dasong Xu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L1.2Paper Number: 2230</p> <p>Title: GEODETIC STEREO SAR WITH SMALL MULTI-DIRECTIONAL RADAR REFLECTORS</p>

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH2.L1: SAR Imaging Techniques IV</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Martin Willberg, Christoph Gisinger, Ulrich Balss, Thomas Fritz, Michael Eineder</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L7.4Paper Number: 2232</p> <p>Title: ANALYSIS OF ANISOTROPY VARIANCE BETWEEN THE KERNEL-DRIVEN MODEL AND THE PROSAIL MODEL</p> <p>Topic: Data Management and Education: Remote Sensing Data and Policy Decisions</p> <p>Session: TH4.L7: Remote Sensing Data and Policy Decisions</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Xiaoning Zhang, Ziti Jiao, Yadong Dong, Dongni Bai, Yang Li, Dandan He</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P15.85Paper Number: 2234</p> <p>Title: MODELING POPULATION DENSITY AT COMPATIBLE SCALE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P15: Estimation and Regression Techniques</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Weichao Sun, Xia Zhang, Honglei Lin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L8.4Paper Number: 2238</p> <p>Title: UNCERTAINTY ESTIMATION FOR SPACEBORNE HYPERSPECTRAL DATA PRODUCTS AND THE RELEVANCE TO THE DESIS AND ENMAP MISSION</p> <p>Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions</p> <p>Session: TU1.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Martin Bachmann, Grégoire Kerr</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P27.141Paper Number: 2241</p> <p>Title: MONITORING DROUGHT WITH GRACE DATA ASSIMILATION</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P27: Land and Water Applications</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p>

Authors: Bailing Li, Matthew Rodell	
View ADD <input type="checkbox"/>	Paper Code: MOP.P14.75 Paper Number: 2242
	Title: CLOUD DETECTION OF REMOTE SENSING IMAGES BY DEEP LEARNING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P14: Feature Extraction and Detection Algorithm I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Mengyun Shi, Fengying Xie, Yue Zi, Jihao Yin
View ADD <input type="checkbox"/>	Paper Code: MO4.L8.5 Paper Number: 2243
	Title: HYPERSPECTRAL IMAGE RECONSTRUCTION FROM RANDOM PROJECTIONS ON GPU
	Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News
	Session: MO4.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Jorge Sevilla, Gabriel Martín, Jose Nascimento, Jose Bioucas-Dias
View ADD <input type="checkbox"/>	Paper Code: THP.P7.37 Paper Number: 2244
	Title: A GEOCODING METHOD FOR SAR IMAGE BASED ON TIN LOOKUP TABLE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P7: Differential SAR Interferometry III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jiwei Chen, Qiming Zeng, Jian Jiao, Jianghui Huang, Junsong Huang
View ADD <input type="checkbox"/>	Paper Code: FR4.L12.2 Paper Number: 2245
	Title: MODEL-BASED SEA SURFACE SCATTERING ANALYSIS FOR THE DWH OIL SPILL ACCIDENT CASE
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR4.L12: Oil Spill
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Yu Li, Yuanzhi Zhang, Jie Chen, Maurizio Migliaccio, Andrea Buono

View ADD <input type="checkbox"/>	Paper Code: TH4.L10.4 Paper Number: 2246
	Title: SHIP DETECTION IN POLARIMETRIC SAR IMAGES USING TARGETS' SPARSE PROPERTY
	Topic: Invited Sessions: SAR Polarimetry: Theory and Applications
	Session: TH4.L10: SAR Polarimetry: Theory and Applications II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Shengli Song, Bin Xu, Jian Yang

View ADD <input type="checkbox"/>	Paper Code: WEP.P2.11 Paper Number: 2248
	Title: AN ANALYSIS OF ATMOSPHERIC CO2 CONCENTRATION AROUND THE TAKELAMAGAN DESERT WITH FIVE PRODUCTS RETRIEVED FROM SATELLITE OBSERVATIONS
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P2: Aerosols and Atmospheric Chemistry IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Nian Bie, Liping Lei, Zhonghua He, Min Liu

View ADD <input type="checkbox"/>	Paper Code: FR1.L3.5 Paper Number: 2251
	Title: DOUBLE REWEIGHTED SPARSE REGRESSION FOR HYPERSPECTRAL UNMIXING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR1.L3: Spectral Unimixing Techniques I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Rui Wang, Heng-Chao Li, Wenzhi Liao, Aleksandra Pizurica

View ADD <input type="checkbox"/>	Paper Code: MOP.P2.10 Paper Number: 2252
	Title: A Novel Cloud Removal Method Based on IHOT
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P2: Building Features Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shuli Chen, Xuehong Chen, Jin Chen, Xin Cao

View ADD <input type="checkbox"/>	Paper Code: TH2.L7.4 Paper Number: 2253
	Title: CONTINUOUS ANNUAL LAND USE AND LAND COVER MAPPING USING AVHRR GIMMS NDVI3G AND MODIS MCD12Q1 DATASETS OVER CHINA FROM 1982 TO 2012
	Topic: Land Applications: Land Cover Dynamics
	Session: TH2.L7: Land Cover Dynamics
	Time: Thursday, July 14, 10:30 - 12:10

	Authors: Yaqian He, Eungul Lee, Timothy Warner
View ADD <input type="checkbox"/>	Paper Code: WEP.P28.153 Paper Number: 2254
	Title: UNCERTAINTIES IN DIRECTIONAL OFFSHORE WIND DISTRIBUTION ESTIMATE FROM SATELLITE REMOTE SENSING
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P28: Ocean Surface Winds II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xiaohui Zhu, Xiaofeng Yang
View ADD <input type="checkbox"/>	Paper Code: WE3.L2.2 Paper Number: 2259
	Title: How to fully explore the low-rank property for data recovery of hyperspectral images
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: WE3.L2: Classification of Hyperspectral Image II
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Shaohui Mei, Qianqian Bi, Jingyu Ji, Junhui Hou, Qian Du
View ADD <input type="checkbox"/>	Paper Code: TH2.L2.1 Paper Number: 2260
	Title: REGION-BASED CLASSIFICATION OF REMOTE SENSING IMAGES WITH THE MORPHOLOGICAL TREE OF SHAPES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TH2.L2: Region Based Image Classification
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Gabriele Cavallaro, Mauro Dalla Mura, Edwin Carlinet, Thierry Géraud, Nicola Falco, Jón Atli Benediktsson
View ADD <input type="checkbox"/>	Paper Code: WEP.P34.185 Paper Number: 2261
	Title: A NEW FORMULATION FOR POLSAR INCOHERENT TARGET DECOMPOSITION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P34: POL and POLInSAR V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Feng Xu, Qian Song
View ADD <input type="checkbox"/>	Paper Code: MOP.P12.64 Paper Number: 2262
	Title: SEMI-AUTOMATIC BUILDING EXTRACTION FROM VERY HIGH RESOLUTION REMOTE SENSING IMAGERY VIA ENERGY MINIMIZATION MODEL

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P12: Detection with High Resolution Images</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yihua Tan, Yujie Yu, Shengzhou Xiong, Jinwen Tian</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L5.3Paper Number: 2264</p> <p>Title: ABOVEGROUND BIOMASS ESTIMATION IN TROPICAL FORESTS AT SINGLE TREE LEVEL WITH ALS DATA</p> <p>Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle</p> <p>Session: TH3.L5: Forest Biomass</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Michele Dalponte, Tommaso Jucker, David F. R. P. Burslem, Simon L. Lewis, Reuben Nilus, Oliver Phillips, Lan Qie, David A. Coomes</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P2.7Paper Number: 2267</p> <p>Title: THE IMPACTS OF SMOOTHING METHODS FOR TIME-SERIES REMOTE SENSING DATA ON CROP PHENOLOGY EXTRACTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P2: Analysis of Image Time Series</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Jianhong Liu, Pei Zhan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L6.3Paper Number: 2269</p> <p>Title: HYPERSPECTRAL IMAGE SUPER-RESOLUTION USING SPARSE SPECTRAL UNMIXING AND LOW-RANK CONSTRAINTS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR2.L6: Hyperspectral Pansharpening</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Zeyu Li, Chao Li, Cheng Deng, Jie Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L10.3Paper Number: 2270</p> <p>Title: POLARIMETRIC-ANISOTROPIC DECOMPOSITION OF SYNTHETIC APERTURE RADAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR1.L10: PolSAR and PolInSAR Information Extraction I</p> <p>Time: Friday, July 15, 08:20 - 10:00</p>

	Authors: Feng Xu, Yongchen Li, Ya-Qiu Jin
View ADD <input type="checkbox"/>	Paper Code: WEP.P42.235 Paper Number: 2272
	Title: Monitoring Snow Depth And Its Change Using Repeat-Pass Interferometric SAR In Manas River Basin
	Topic: Cryosphere: Snow Cover
	Session: WEP.P42: Snow Cover III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Hui Li, Pengfeng Xiao, Xuezhi Feng, Guangjun He, Zuo Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P4.20 Paper Number: 2274
	Title: SPACEBORNE VIDEO-SAR MOVING TARGET SURVEILLANCE SYSTEM
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P4: Analysis of Multitemporal SAR Images
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Bo Liu, Xuepan Zhang, Kan Tang, Min Liu, Lu Liu
View ADD <input type="checkbox"/>	Paper Code: WEP.P43.240 Paper Number: 2276
	Title: Detection of Land Subsidence in the Area of Intensive Oil Production by ALOS PALSAR data
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P43: Subsidence and Landslip
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yusupujiang Aimaiti, Alimujiang Kasimu, Yashengjiang Maimaitiyiming
View ADD <input type="checkbox"/>	Paper Code: TU3.L5.5 Paper Number: 2278
	Title: MONITORING OF POST-FIRE FOREST RECOVERY UNDER DIFFERENT RESTORATION TREATMENTS BASED ON TIME-SERIES ALOS/PALSAR DATA
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: TU3.L5: Radar Forestry
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Wei Chen, Kazuyuki Moriya, Tetsuro Sakai, Chunxiang Cao
View ADD <input type="checkbox"/>	Paper Code: MOP.P12.65 Paper Number: 2279
	Title: CNN BASED SUBURBAN BUILDING DETECTION USING MONOCULAR HIGH RESOLUTION GOOGLE EARTH IMAGES

	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P12: Detection with High Resolution Images
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Qinchuan Zhang, Yunhong Wang, Qingjie Liu, Xiangyu Liu, Wei Wang

View ADD <input type="checkbox"/>	Paper Code: FR2.L8.3 Paper Number: 2282
	Title: SMAP RADAR PROCESSING AND RESULTS FROM CALIBRATION AND VALIDATION
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: FR2.L8: Radar Remote Sensing Missions
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Richard West, Sermsak Jaruwatanadilok, Mario Chaubell, Michael Spencer, Samuel Chan, Adam Freedman, Alexander Fore, Curtis Chen

View ADD <input type="checkbox"/>	Paper Code: WEP.P27.151 Paper Number: 2283
	Title: ASSESSMENT OF THE AZIMUTH WAVELENGTH CUT-OFF DEPENDENCE ON THE OCEAN STATE AND ON THE SURFACE WIND SPEED FOR SENTINEL-1 SAR IMAGES
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P27: Ocean Surface Winds I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Giuseppe Grieco, Wenming Lin, Maurizio Migliaccio, Marcos Portabella

View ADD <input type="checkbox"/>	Paper Code: TU4.L7.2 Paper Number: 2284
	Title: THREE DIMENSIONAL MODELING OF GNSS OCEAN REFLECTION SIGNAL
	Topic: Invited Sessions: Physical Models in Microwave Remote Sensing
	Session: TU4.L7: Physical Models in Microwave Remote Sensing II
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Yongqiang QI, Bo ZHANG, Dongkai YANG, Yunlong Zhu, Bowen Li, Bo Peng

View ADD <input type="checkbox"/>	Paper Code: WE1.L12.2 Paper Number: 2285
	Title: INVESTIGATE THE EFFECT OF TIDES ON THE INTERNAL WAVE MOPHORLOGY AND GENERATION SITES IN THE SULU SEA USING SATELLITE IMAGES
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WE1.L12: Ocean Waves and Currents

	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Bingqing Liu
View ADD <input type="checkbox"/>	Paper Code: TU1.L4.3 Paper Number: 2286
	Title: FIRST APPLICATION OF REGRESSION ANALYSIS TO RETRIEVE SOIL MOISTURE FROM SMAP BRIGHTNESS TEMPERATURE OBSERVATIONS CONSISTENT WITH SMOS
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU1.L4: SMAP Soil Moisture I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Amen Al-Yaari, Jean-Pierre Wigneron, Yann Kerr, Nemesio Rodriguez-Fernandez, Peggy O'Neill, Thomas Jackson, Gabrielle De Lannoy, Ahmad Al Bitar, Arnaud Mialon, Philippe Richaume, Simon Yueh
View ADD <input type="checkbox"/>	Paper Code: THP.P14.77 Paper Number: 2287
	Title: PARALLEL IMPLEMENTATION OF THE SIMPLEX GROWING ALGORITHM FOR HYPERSPECTRAL UNMIXING USING OPENCL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P14: Hyperspectral Data Processing and Analysis
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Sergio Bernabe, Guillermo Botella, Jose M. R. Navarro, Carlos Orueta, Manuel Prieto-Matias, Antonio Plaza
View ADD <input type="checkbox"/>	Paper Code: MOP.P27.173 Paper Number: 2288
	Title: A BLOCK SPARSE BAYESIAN LEARNING BASED ISAR IMAGING METHOD
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P27: SAR Imaging Techniques I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yongqiang Zou, Xunzhang Gao, Xiang Li
View ADD <input type="checkbox"/>	Paper Code: TUP.P1.2 Paper Number: 2289
	Title: CANOPY VERTICAL PARAMETERS ESTIMATION USING UNMANNED AERIAL VEHICLE (UAV) IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P1: Aerial Images Analysis and Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Kongwen Zhang, Justin Robinson, Linhai Jing

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L11.5 Paper Number: 2291</p> <p>Title: POLARIMETRIC SAR DATA FOR IMPROVING FLOOD MAPPING: AN INVESTIGATION OVER RICE FLOODED FIELDS</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: FR1.L11: Floods</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Luca Pulvirenti, Nazzareno Pierdicca, Giuseppe Squicciarino, Giorgio Boni, Marco Chini, Catia Benedetto</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P35.187 Paper Number: 2293</p> <p>Title: CONSTRAINING THE WATER IMBALANCE IN A LAND DATA ASSIMILATION SYSTEM THROUGH A RECURSIVE ASSIMILATION SCHEME</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P35: Passive Microwave Soil Moisture III</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Hui Lu, Kun Yang, Jiancheng Shi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L6.5 Paper Number: 2294</p> <p>Title: FUSION OF HIGH AND VERY HIGH DENSITY LIDAR DATA FOR 3D FOREST CHANGE DETECTION</p> <p>Topic: Invited Sessions: Data Fusion</p> <p>Session: WE2.L6: Data Fusion II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Daniele Marinelli, Claudia Paris, Lorenzo Bruzzone</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L9.1 Paper Number: 2295</p> <p>Title: BOREALSCAT: A TOWER-BASED TOMOGRAPHIC AND POLARIMETRIC RADAR EXPERIMENT IN THE BOREAL FOREST AT P-, L- AND C-BAND</p> <p>Topic: Mission, Sensors and Calibration: Ground based Systems</p> <p>Session: FR3.L9: Ground Based Sensing</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Albert R. Monteith, Maciej J. Soja, Lars M. H. Ulander, Leif E. B. Eriksson</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P31.164 Paper Number: 2296</p> <p>Title: A DENOISING ALGORITHM FOR REMOTE SENSING IMAGES WITH IMPULSE NOISE</p>

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P31: Noise Reduction Techniques</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Eun Suk Chang, Chih-Cheng Hung, Wenping Liu, Jihao Yin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L4.2Paper Number: 2297</p> <p>Title: EVALUATION OF NORTHERN HEMISPHERE SNOW EXTENT PRODUCTS WITHIN ESA SNOWPEX-PROJECT</p> <p>Topic: Cryosphere: Snow Cover</p> <p>Session: TH4.L4: Snow Cover</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Sari Metsämäki, Elisabeth Ripper, Olli-Pekka Mattila, Richard Fernandes, Gabriele Bippus, Kari Luojus, Thomas Nagler, Bojan Bojkov</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L12.5Paper Number: 2299</p> <p>Title: MARINE OIL SLICK AND PLATFORM DETECTION BY COMPACT POLRIMETRIC SYNTHETIC APERTURE RADAR</p> <p>Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations</p> <p>Session: WE3.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Biao Zhang, Xiaofeng Li, William Perrie, Oscar Garcia-Pineda</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L8.2Paper Number: 2300</p> <p>Title: ANALYSIS OF OMPS IN-FLIGHT CCD DARK CURRENT</p> <p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TU4.L8: Passive Optical: validation and calibration</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Chunhui Pan, Fuzhong Weng, Trevor Beck, Ding Liang, Eve-marie Devaliere, Wanchun Chen, Shouguo Ding</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L11.1Paper Number: 2301</p> <p>Title: BIG DATA ISSUES FOR REMOTE SENSING: VARIETY</p> <p>Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience</p> <p>Session: FR2.L11: Big Data in Geoscience</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Leland Pierce</p>

View ADD <input type="checkbox"/>	Paper Code: TH3.L6.3 Paper Number: 2302
	Title: A REMOTE SENSING MODEL OF RESOURCE EXPLORED AND NEW DISCOVERY IN GEOLOGICAL PROSPECTING WORK
	Topic: Invited Sessions: Minerals and Hydrocarbons
	Session: TH3.L6: Minerals and Hydrocarbons I
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Fojun Yao
View ADD <input type="checkbox"/>	Paper Code: WE3.L1.3 Paper Number: 2303
	Title: RESOLUTION ENHANCED SAR TOMOGRAPHY: A NONPARAMETRIC ITERATIVE ADAPTIVE APPROACH
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: WE3.L1: SAR Imaging Techniques I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Gustavo Daniel Martín del Campo Becerra, Andreas Reigber, Yuriy V. Shkvarko
View ADD <input type="checkbox"/>	Paper Code: TUP.P22.119 Paper Number: 2304
	Title: ROLE OF SAR EARTH OBSERVATION TIMESERIES DATA FOR MAPPING OF OIL SPILLS AND LEAK SOURCES AROUND PETROLEUM AND GAS INFRASTRUCTURE IN A MARINE ENVIRONMENT OF CASPIAN SEA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P22: Feature Extraction and Reduction VII
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Emil Bayramov, Manfred Buchroithner, Rafael Bayramov
View ADD <input type="checkbox"/>	Paper Code: TUP.P32.172 Paper Number: 2305
	Title: PROGRESS IN THE CALIBRATION/VALIDATION OF VIIRS ON SUOMI NPP AND J1
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P32: Optical Sensors and Calibration I
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Changyong Cao, Slawomir Blonski, Wenhui Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P13.65 Paper Number: 2306
	Title: SEMANTIC SEGMENTATION OF HYPERSPECTRAL IMAGES WITH THE FUSION OF LIDAR DATA

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P13: Data Fusion Techniques: Active / Passive Sensor Fusion</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Hakan Aytaylan, Seniha Esen Yüksel</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P14.76Paper Number: 2307</p> <p>Title: CONSTRAINED MULTIPLE BAND SELECTION FOR HYPERSPSPECTRAL IMAGERY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P14: Hyperspectral Data Processing and Analysis</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Hsiao-Chi Li, Chein-I Chang, Lin Wang, Yao Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L10.1Paper Number: 2308</p> <p>Title: DECOMPOSING SOIL AND VEGETATION CONTRIBUTIONS IN POLARIMETRIC L- AND P- BAND SAR OBSERVATIONS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR4.L10: SAR Polarimetry II</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Seyed Hamed Alemohammad, Thomas Jagdhuber, Mahta Moghaddam, Dara Entekhabi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L9.1Paper Number: 2309</p> <p>Title: UNDERSTANDING THE DYNAMIC OF A TROPICAL FOREST LOCATED IN SOUTHERN MEXICO USING REMOTELY SENSED DATA</p> <p>Topic: Invited Sessions: Contributing to the Understanding of our Planet through Remote Sensing: A Mexican Perspective</p> <p>Session: WE4.L9: The Mexican Perspective to the Understanding of our Planet through Remote Sensing</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Alejandro Monsivais-Huertero, Jose Carlos Jimenez-Escalona, Jose Mauricio Galeana-Pizaña, Aura Citlalli Torres-Gomez, Ramata Magagi, Kalifa Goita, Enrique Zempoaltecatl-Ramirez, Enrique Constantino-Recillas, Jesus Daniel Juarez-Vazquez, Juan Carlos Hernandez-Sanchez</p>
<p>View</p>	<p>Paper Code: THP.P7.35Paper Number: 2310</p>

ADD <input type="checkbox"/>	<p>Title: COSEISMIC AND EARLY-POSTSEISMIC DISPLACEMENTS OF THE 2015 MW8.3 ILLAPEL (CHILE) EARTHQUAKE IMAGED BY SENTINEL-1A AND RADARSAT-2</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: THP.P7: Differential SAR Interferometry III</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Wanpeng Feng, Sergey V. Samsonov, Peng Li, Khalid Omari</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE1.L1.5 Paper Number: 2313</p> <p>Title: AN AUTOMATED INSAR PROCESSING SYSTEM: POTENTIALS AND CHALLENGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: WE1.L1: SAR Interferometry I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Wanpeng Feng, Khalid Omari, Sergey V. Samsonov</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P7.39 Paper Number: 2314</p> <p>Title: ISCCP CLOUD BASED VERIFICATION OF CMIP5 CLIMATE SIMULATIONS</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P7: Clouds and Precipitation: Satellite Remote Sensing I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Lindsey Hayden, Zaitao Pan</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P35.192 Paper Number: 2315</p> <p>Title: FEEDBACK FOR ELECTROMAGNETIC INDUCTION SENSOR ARRAYS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar</p> <p>Session: THP.P35: Subsurface Sensing</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Waymond Scott, Jr.</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR2.L4.2 Paper Number: 2317</p> <p>Title: RETRIEVAL OF SNOW PARAMETERS FROM L-BAND OBSERVATIONS - APPLICATION FOR SMOS AND SMAP</p> <p>Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow</p>

	<p>Session: FR2.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Juha Lemmetyinen, Mike Schwank, Chris Derksen, Alexandre Roy, Andreas Colliander, Kimmo Rautiainen, Jouni Pulliainen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L6.3 Paper Number: 2320</p> <p>Title: SUPER-RESOLUTION RECONSTRUCTION OF HYPERSPECTRAL IMAGES VIA AN IMPROVED MAP-BASED APPROACH</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR3.L6: Registration of Multisensor Images and Reconstruction</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Hasan Irmak, Gözde Bozdağı Akar, Seniha Esen Yüksel, Hakan Aytaylan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L9.4 Paper Number: 2322</p> <p>Title: INTER-COMPARISON OF SMAP, SMOS AND AQUARIUS L-BAND BRIGHTNESS TEMPERATURE OBSERVATIONS</p> <p>Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration</p> <p>Session: TU4.L9: Radiometer Cross-Calibration</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Rajat Bindlish, Thomas Jackson, Jeffrey Piepmeier, Simon Yueh, Yann Kerr</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P11.56 Paper Number: 2323</p> <p>Title: EVALUATING COLOR AND TEXTURE FEATURES OF UAS HYPERSPATIAL IMAGERY FOR IDENTIFYING COASTAL BEACH ZONES</p> <p>Topic: Oceans: Coastal Zones</p> <p>Session: TUP.P11: Coastal Zones II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Lihong Su, James Gibeaut</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L10.5 Paper Number: 2325</p> <p>Title: CHARACTERIZING VEGETATION AND SOIL PARAMETERS ACROSS DIFFERENT BIOMES USING POLARIMETRIC P-BAND SAR MEASUREMENTS</p> <p>Topic: Invited Sessions: SAR Polarimetry: Theory and Applications</p> <p>Session: TH4.L10: SAR Polarimetry: Theory and Applications II</p>

	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Seyed Hamed Alemohammad, Alexandra G. Konings, Thomas Jagdhuber, Dara Entekhabi
View ADD <input type="checkbox"/>	Paper Code: MOP.P35.223 Paper Number: 2326
	Title: Simultaneous SAR Imaging and GMTI By Fractional Fourier Transform Processing
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P35: SAR Imaging Techniques VIII
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Wen-Qin Wang, Shunsheng Zhang, Pingping Huang
View ADD <input type="checkbox"/>	Paper Code: TH3.L12.2 Paper Number: 2327
	Title: A NEW EDDY DETECTION METHOD WITH OBJECT SEGMENTATION STRATEGIES FOR SATELLITE ALTIMETRY
	Topic: Oceans: Ocean Altimetry
	Session: TH3.L12: Ocean Altimetry
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Di Dong, Peter Brandt, Florian Schütte, Xiaofeng Yang, Ziwei Li
View ADD <input type="checkbox"/>	Paper Code: TU3.L7.3 Paper Number: 2328
	Title: MULTIPLE SCATTERING EFFECTS IN VEGETATED SURFACES AND ROUGH SURFACE BOUNDARY CONDITION AT C-BAND FOR REMOTE SENSING OF SOIL MOISTURE
	Topic: Invited Sessions: Physical Models in Microwave Remote Sensing
	Session: TU3.L7: Physical Models in Microwave Remote Sensing I
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Tien-Hao Liao, Mohammadreza Sanamzadeh, Tai Qiao, Leung Tsang
View ADD <input type="checkbox"/>	Paper Code: TH3.L11.5 Paper Number: 2329
	Title: ACHIEVEMENTS OF THE PREFER PROJECT IN THE PREVENTION PHASE OF THE FOREST FIRE MANAGEMENT
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: TH3.L11: Air Pollution
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Giovanni Laneve, Lorenzo Fusilli, Guido Bernini
View	Paper Code: TU4.L9.2 Paper Number: 2330

ADD <input type="checkbox"/>	Title: THREE-WAY INTER-SATELLITE RADIOMETRIC CALIBRATION BETWEEN GMI, TMI AND WINDSAT
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU4.L9: Radiometer Cross-Calibration
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Ruiyao Chen, Hamideh Erahimi, W. Linwood Jones
View ADD <input type="checkbox"/>	Paper Code: WE2.L11.2 Paper Number: 2331
	Title: HYDROMETEOR PROFILING FOR DUAL-FREQUENCY PRECIPITATION RADAR ON BOARD GPM
	Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms
	Session: WE2.L11: Global Precipitation Measurement Instruments and Algorithms II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: V. Chandrasekar, Minda Le
View ADD <input type="checkbox"/>	Paper Code: MO4.L4.2 Paper Number: 2332
	Title: LANDSCAPE FREEZE/THAW PRODUCTS FROM SOIL MOISTURE ACTIVE/PASSIVE (SMAP) RADAR AND RADIOMETER DATA
	Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission
	Session: MO4.L4: Observations by the NASA Soil Moisture Active Passive Mission II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Xiaolan Xu, Roy Dunbar, Chris Derksen, Andreas Colliander, John Kimball, Youngwook Kim
View ADD <input type="checkbox"/>	Paper Code: TU1.L6.5 Paper Number: 2333
	Title: DEVELOPMENT OF 2016 NATIONAL IMPERVIOUSNESS PRODUCT
	Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas
	Session: TU1.L6: Remote Sensors and Sensing of Urban Areas I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: George Xian
View ADD <input type="checkbox"/>	Paper Code: MO4.L4.4 Paper Number: 2334
	Title: THE SMAP LEVEL 4 CARBON PRODUCT FOR MONITORING TERRESTRIAL ECOSYSTEM-ATMOSPHERE CO2 EXCHANGE

Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission
Session: MO4.L4: Observations by the NASA Soil Moisture Active Passive Mission II
Time: Monday, July 11, 15:40 - 17:20
Authors: Lucas Jones, John Kimball, Nima Madani, Rolf Reichle, Joe Glassy, Joseph Ardizzone

View ADD <input type="checkbox"/>	Paper Code: FR2.L12.4 Paper Number: 2335
	Title: ANTARCTIC SEA-ICE FREEBOARD AND ESTIMATED THICKNESS FROM NASA'S ICESAT AND ICEBRIDGE OBSERVATIONS
	Topic: Cryosphere: Sea Ice
	Session: FR2.L12: Sea Ice
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Donghui Yi, Nathan Kurtz, Jeremy Harbeck, Serdar Manizade, Michelle Hofton, Helen Cornejo, Jay Zwally, John Robbins

View ADD <input type="checkbox"/>	Paper Code: FR2.L4.1 Paper Number: 2336
	Title: SNOW WATER EQUIVALENT RETRIEVAL USING P-BAND SIGNALS OF OPPORTUNITY
	Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow
	Session: FR2.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Rashmi Shah, Simon Yueh, Xiaolan Xu, Chun Sik Chae, Marc Simard, Kelly Elder

View ADD <input type="checkbox"/>	Paper Code: WEP.P22.121 Paper Number: 2338
	Title: VALIDATION METHODS FOR REGIONAL RETROSPECTIVE HIGH RESOLUTION LAND COVER FOR UKRAINE
	Topic: Land Applications: Land Cover Dynamics
	Session: WEP.P22: Land Cover Dynamics
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Mykola Lavreniuk, Nataliia Kussul, Andrii Shelestov, Bohdan Yailymov, Tamara Oliynyk, Alexander Kostecky

View ADD <input type="checkbox"/>	Paper Code: MO3.L1.5 Paper Number: 2341
	Title: INTERFEROMETRIC EXPERIMENTS WITH THE FIRST ITALIAN AIRBORNE P-BAND RADAR

	<p>Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications</p> <p>Session: MO3.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Gianfranco Fornaro, Stefano Tebaldini, Stefano Perna, Mauro Mariotti d'Alessandro, Paolo Berardino, Riccardo Lanari, Mariarosaria Manzo, Fabio Rocca, Francesco Soldovieri, Giovanni Alberti, Claudio Papa, Giuseppe Salzillo, Giul Pica, Gianfranco Palmese, Dario Califano, Giulia Ciofaniello, Francesco Longo, Claudia Facchinetti, Roberto Formaro</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P15.82 Paper Number: 2344</p> <p>Title: AN ALGORITHM FOR THE DETECTION OF CALVING GLACIERS FRONTAL POSITION FROM TERRASAR-X IMAGERY</p> <p>Topic: Cryosphere: Ice Sheets and Glaciers</p> <p>Session: THP.P15: Ice Sheets and Glaciers I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Lina Han, Dana Floricioiu, Michael Baessler, Michael Eineder</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L3.3 Paper Number: 2346</p> <p>Title: Which year is the hottest or coldest from 2001 to 2012 based on remote sensing data</p> <p>Topic: Advancing the Understanding of Our Living Planet: Global Change Study</p> <p>Session: TH4.L3: Global Change Study</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Kebiao Mao, Y. Ma, Z.Y. Zuo, F. Wang, Y.Q. Jiao, X.Y. Shen, Q. Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P13.67 Paper Number: 2347</p> <p>Title: Application of Ground Based Radar System in Structural Monitoring</p> <p>Topic: Mission, Sensors and Calibration: Ground based Systems</p> <p>Session: THP.P13: Ground Based Radar and Optical Systems</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Man Chung Chim, Daniele Perissin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L5.3 Paper Number: 2349</p> <p>Title: WETLAND MAPPING AND MEASUREMENT OF FLOOD INUNDATED AREA USING GROUND-REFLECTED GNSS SIGNALS IN A BISTATIC RADAR SYSTEM</p> <p>Topic: Land Applications: Wetlands</p>

	Session: FR4.L5: Wetlands and Inland Water
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Clara Chew, Rashmi Shah, Cinzia Zuffada, Anthony Mannucci
View ADD <input type="checkbox"/>	Paper Code: FR3.L2.1 Paper Number: 2350
	Title: RETRIEVAL OF LEAF WATER CONTENT FOR MAIZE SEEDLINGS IN VISIBLE NEAR INFRARED AND THERMAL INFRARED SPECTRA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: FR3.L2: Estimation and Regression Applications
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Baodong Ma, Ao Xu, Song Zhang, Lixin Wu
View ADD <input type="checkbox"/>	Paper Code: WEP.P27.148 Paper Number: 2352
	Title: VOLUME SCATTERING FROM SEA SURFACE AT VERY HIGH WINDS
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P27: Ocean Surface Winds I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Victor Raizer
View ADD <input type="checkbox"/>	Paper Code: WE2.L12.3 Paper Number: 2354
	Title: MICROWAVE IMPEDANCE SPECTROSCOPY OF SEA SURFACE
	Topic: Oceans: Ocean Temperature and Salinity
	Session: WE2.L12: Ocean Temperature and Salinity
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Victor Raizer
View ADD <input type="checkbox"/>	Paper Code: MOP.P1.4 Paper Number: 2355
	Title: ANALYSIS AND SIMULATION OF GIMS OBSERVATION ON DYNAMIC TARGETS
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P1: Aperture Synthesis Radiometry
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Ying Zhang, Hao Liu, Ji Wu, Cheng Zhang, Jieying He
View ADD <input type="checkbox"/>	Paper Code: TU1.L2.2 Paper Number: 2356
	Title: AUTOMATED SEGMENTATION OF LIDAR POINT CLOUDS FOR BUILDING ROOFTOP EXTRACTION

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TU1.L2: LIDAR Feature Extraction and Analysis</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Yi Sun, Cheng Wang, Jonathan Li, Zongliang Zhang, Dawei Zai, Pengdi Huang, Chenglu Wen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P26.142Paper Number: 2357</p> <p>Title: CHLOROPHYLL CHANGE AND SPECTRAL RESPONSE OF MAIZE SEEDLING UNDER IRON STRESS</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P26: Remote Sensing of Crop Diseases and Nutrients</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Baodong Ma, Ao Xu, Xuanxuan Zhang, Lixin Wu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P38.211Paper Number: 2358</p> <p>Title: NUMERICAL SIMULATION OF MICROWAVE SCATTERING FROM SEA ICE BASED ON THE FINITE ELEMENT METHOD</p> <p>Topic: Cryosphere: Sea Ice</p> <p>Session: WEP.P38: Sea Ice I</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xu Xu, Anthony Paul Doulgeris, Frank Melandsø, Camilla Brekke</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L1.2Paper Number: 2360</p> <p>Title: ADAPTIVE NOISE DEPRESSION CS-ISAR IMAGING VIA OMP WITH CFAR THRESHOLDING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH1.L1: SAR Imaging Techniques III</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Hong Xia Bu, Xia Bai, Juan Zhao, Yu E Song, Ruo Ying Yan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L9.4Paper Number: 2363</p> <p>Title: PERFORMANCE EVALUATION OF A MULTISPECTRAL CLASSIFICATOR THAT EMPLOYS HIGH-PERFORMANCE COMPUTING TECHNIQUES</p> <p>Topic: Invited Sessions: Contributing to the Understanding of our Planet through Remote Sensing: A Mexican Perspective</p> <p>Session: WE4.L9: The Mexican Perspective to the Understanding of our Planet through Remote Sensing</p>

	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Ivan E. Villalon-Turrubiates
View ADD <input type="checkbox"/>	Paper Code: WE1.L9.5 Paper Number: 2366
	Title: Development and Validation of the CALIPSO Ocean Subsurface Data
	Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies
	Session: WE1.L9: Advances in Bathymetric and Oceanographic Lidar Studies I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Yongxiang Hu, Pengwang Zhai
View ADD <input type="checkbox"/>	Paper Code: TUP.P35.188 Paper Number: 2368
	Title: A NEW ALGORITHM FOR SOIL MOISTURE RETRIEVAL USING C- AND K-BAND RADIOMETER CHANNELS OF OCEAN SALINITY SATELLITE
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P35: Passive Microwave Soil Moisture III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Wei Zhang, Quan Chen, Jiangyuan Zeng, Wu Zhou, Ping Zhang
View ADD <input type="checkbox"/>	Paper Code: WE3.L9.1 Paper Number: 2369
	Title: TERRAIN MEASUREMENTS IN CHINA USING MULTI-SENSOR SAR DATA
	Topic: Invited Sessions: Dragon 3 Cooperation
	Session: WE3.L9: Dragon 3 Cooperation
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Mingsheng Liao, Lu Zhang, Timo Balz, Deren Li
View ADD <input type="checkbox"/>	Paper Code: TU4.L5.1 Paper Number: 2370
	Title: EFFECT OF SIZE AND NUMBER OF CALIBRATION PLOTS ON THE ESTIMATION OF STEM DIAMETER DISTRIBUTIONS USING AIRBORNE LASER SCANNING
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: TU4.L5: Forest Monitoring by Lidar and Multispectral Techniques
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Chen Shang, Trevor Jones, Paul Treitz

View ADD <input type="checkbox"/>	Paper Code: WEP.P32.178 Paper Number: 2372
	Title: URBAN LAND COVER CHANGE TYPES IDENTIFICATION USING FULLY POLARIMETRIC SAR DESCRIPTORS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P32: POL and POLInSAR III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Lei Xie, Hong Zhang, Chao Wang
View ADD <input type="checkbox"/>	Paper Code: TU1.L8.1 Paper Number: 2373
	Title: REPORT ON INTERNATIONAL SPACEBORNE IMAGING SPECTROSCOPY TECHNICAL COMMITTEE CALIBRATION AND VALIDATION WORKSHOP, NATIONAL ENVIRONMENT RESEARCH COUNCIL FIELD SPECTROSCOPY FACILITY, UNIVERSITY OF EDINBURGH
	Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions
	Session: TU1.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Cindy Ong, Andreas Müller, Kurtis Thome, Martin Bachmann, Jeffrey Czaplá-Myers, Stefanie Holzwarth, Siri Jodha Khalsa, Christopher MacLellan, Timothy Malthus, Joanne Nightingale, Leland Pierce, Hirokazu Yamamoto
View ADD <input type="checkbox"/>	Paper Code: TUP.P11.55 Paper Number: 2374
	Title: THE EFFECT OF MATMO TYPHOON ON MIXED ZONE BETWEEN THE YELLOW SEA AND BOHAI SEA
	Topic: Oceans: Coastal Zones
	Session: TUP.P11: Coastal Zones II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jie Guo, Yijun He, Ling Ji, Diansheng Ji, Chawei Hou, Kai Guo, Yankai Mou, Qingjie Li, Shuang Guo
View ADD <input type="checkbox"/>	Paper Code: THP.P24.130 Paper Number: 2375
	Title: HYPERSPECTRAL OIL SPILL IMAGE SEGMENTATION USING IMPROVED REGION-BASED ACTIVE CONTOUR MODEL
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image Segmentation
	Session: THP.P24: Remote Sensing Image Segmentation II
	Time: Thursday, July 14, 17:20 - 19:00

Authors: Meiping Song, Liufen Cai, Bin Lin, Jubai An, Chein-I Chang	
View ADD <input type="checkbox"/>	Paper Code: MO4.L6.2 Paper Number: 2377
	Title: DEEP LEARNING APPROACH FOR LARGE SCALE LAND COVER MAPPING BASED ON REMOTE SENSING DATA FUSION
	Topic: Invited Sessions: Earth Observing Data Science
	Session: MO4.L6: Earth Observing Data Science II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Nataliia Kussul, Andrii Shelestov, Mykola Lavreniuk, Igor Butko, Sergii Skakun
View ADD <input type="checkbox"/>	Paper Code: MOP.P6.33 Paper Number: 2380
	Title: PROBABILISTIC ATTENUATION CORRECTION IN DUAL-POL RADAR NETWORK
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P6: Clouds and Precipitation: Ground-based Sensing
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shigeharu Shimamura, Tomoo Ushio, Gwan Kim, Eiichi Yoshikawa, V. Chandrasekar
View ADD <input type="checkbox"/>	Paper Code: TU2.L6.2 Paper Number: 2381
	Title: OBSERVING URBAN BUILT-UP CHANGE IN SHANGHAI WITH SAR IMAGERY
	Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas
	Session: TU2.L6: Remote Sensors and Sensing of Urban Areas II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Michael Jendryke, Timo Balz, Mingsheng Liao
View ADD <input type="checkbox"/>	Paper Code: THP.P41.233 Paper Number: 2383
	Title: MAPPING IMPACT OF URBANIZATION IN THE CONTINENTAL U.S. FROM 2001-2020
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P41: Urban Applications II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Lahouari Bounoua, Joseph Nigro, Ping Zhang, Kurtis Thome
View ADD <input type="checkbox"/>	Paper Code: THP.P35.193 Paper Number: 2385
	Title: AN ITERATIVE SINGULAR VECTOR DECOMPOSITION BASED MICRO-MOTION TARGET INDICATION IN THROUGH-THE-WALL RADAR

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar</p> <p>Session: THP.P35: Subsurface Sensing</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Lei Qiu, Tian Jin, Jun Zhang, Biying Lu, Zhimin Zhou</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P39.216Paper Number: 2387</p> <p>Title: AN APPROACH TO DISCRIMINATION OF SEA ICE FROM OPEN WATER USING SAR DATA</p> <p>Topic: Cryosphere: Sea Ice</p> <p>Session: WEP.P39: Sea Ice II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Huiying Liu, Huadong Guo, Xiaoming Li, Lu Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P6.29Paper Number: 2389</p> <p>Title: THE MEASUREMENT OF OCEAN WAVES BY FULLY POLARIMETRIC AIRBORNE SAR DATA DURING THE HAINAN EXPERIMENT</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WEP.P6: Atmospheric Sounding Sensors</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Mingsen Lin, Limin Cui, Chunhua Xie, Xinzhe Yuan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P4.24Paper Number: 2391</p> <p>Title: MULTI-CLASSIFICATION METHOD FOR HYPERSPECTRAL DATA BASED ON CHERNOFF DISTANCE AND PAIRWISE DECISION TREE STRATEGY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P4: Classification of Hyperspectral Image II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Miao Zhang, Zheqi Lin, Yiming Cui, Fei Shen, Yi Shen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P26.137Paper Number: 2393</p> <p>Title: USING DEEP NEURAL NETWORKS FOR SYNTHETIC APERTURE RADAR IMAGE REGISTRATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P26: Image and Feature Match</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p>

	Authors: Dou Quan, Shuang Wang, Mengdan Ning, Tao Xiong, Licheng Jiao
View ADD <input type="checkbox"/>	Paper Code: TUP.P3.17 Paper Number: 2394
	Title: IMPROVED NEIGHBORHOOD SIMILAR PIXEL INTERPOLATOR FOR FILLING UN-SACN MULTI-TEMPORAL LANDSAT ETM+ DATA WITHOUT REFERENCE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P3: Analysis of Multitemporal Optical Images
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Guoming Gao, Tianzhu Liu, Yanfeng Gu
View ADD <input type="checkbox"/>	Paper Code: TU3.L1.3 Paper Number: 2395
	Title: ROBUST DETECTION OF SINGLE AND DOUBLE PERSISTENT SCATTERERS IN URBAN BUILT ENVIRONMENTS: THE TOMO-PSINSAR METHOD
	Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques
	Session: TU3.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques I
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Peifeng Ma, Hui Lin, Fulong Chen
View ADD <input type="checkbox"/>	Paper Code: TH3.L3.3 Paper Number: 2396
	Title: MULTI-TEMPORAL LAND COVER CHANGE ANALYSIS OF THE SAMBAS WATERSHED, WEST KALIMANTAN, EAST MALAYSIA: IMPLICATIONS FOR TROPICAL EROSION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH3.L3: Change Detection Applications
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Sandeep Narayan Kundu, Jun Bei Tan
View ADD <input type="checkbox"/>	Paper Code: MOP.P14.78 Paper Number: 2397
	Title: AN AMPLITUDE OPTIMIZATION METHOD FOR SUPPRESSING SIDELOBES AT SPECIFIED INTERVALS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P14: Feature Extraction and Detection Algorithm I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Liang Tang, Yongfeng Zhu, Qiang Fu, Hucheng Pei

View ADD <input type="checkbox"/>	Paper Code: TU3.L12.4 Paper Number: 2398
	Title: SURFACE STRESS IN TROPICAL CYCLONE OBSERVED BY SCATTEROMETER
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: TU3.L12: Remote Sensing of High Winds
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: W. Timothy Liu, Wenqing Tang, Xiaosu Xie

View ADD <input type="checkbox"/>	Paper Code: TUP.P31.166 Paper Number: 2399
	Title: MULTI-WAY PROJECTIONS-BASED RECONSTRUCTION FOR HYPERSPECTRAL IMAGE DENOISING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P31: Noise Reduction Techniques
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zhi He, Wei Zhou, Jun Li, Lin Liu

View ADD <input type="checkbox"/>	Paper Code: THP.P36.202 Paper Number: 2401
	Title: VESSEL DETECTION AND ANALYSIS COMBINING SAR IMAGES AND AIS INFORMATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P36: Target Detection from SAR
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Fan Wu, Chao Wang, Hong Zhang, Bo Zhang

View ADD <input type="checkbox"/>	Paper Code: WE1.L10.1 Paper Number: 2402
	Title: ALOS-2 OPERATION STATUS
	Topic: Invited Sessions: ALOS-2
	Session: WE1.L10: ALOS-2 I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Yukihiro Kankaku, Shinichi Suzuki, Takeshi Motohka, Masato Ohki, Ryo Natsuaki, Masanobu Shimada

View ADD <input type="checkbox"/>	Paper Code: TU4.L7.1 Paper Number: 2403
	Title: ELECTROMAGNETIC SCATTERING FROM A 3D RANDOM VOLUME USING SSWAP-SD METHOD FOR RADAR REMOTE SENSING OF SNOW
	Topic: Invited Sessions: Physical Models in Microwave Remote Sensing
	Session: TU4.L7: Physical Models in Microwave Remote Sensing II
	Time: Tuesday, July 12, 15:40 - 17:20

	Authors: Mostafa Zaky, Kamal Sarabandi
View ADD <input type="checkbox"/>	Paper Code: TU1.L2.3 Paper Number: 2406
	Title: LIDAR POINT CLASSIFICATION BASED ON JOINT SPARSE REPRESENTATION IN KERNEL SPACE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TU1.L2: LIDAR Feature Extraction and Analysis
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Bingqian Xie, Yanfeng Gu, Qingwang Wang, Huan Liu
View ADD <input type="checkbox"/>	Paper Code: FR4.L7.1 Paper Number: 2407
	Title: DETECTION OF BUILDING RADAR FOOTPRINTS FROM SINGLE VHR SAR IMAGES
	Topic: Land Applications: Urban and Built Environment
	Session: FR4.L7: SAR Urban Remote Sensing
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Jinxing Chen, Fan Wu, Chao Wang, Wanming Lei
View ADD <input type="checkbox"/>	Paper Code: WEP.P35.191 Paper Number: 2409
	Title: EVALUATION OF RESOLUTION OF GEO-SAR IMAGES BASED ON GEOMETRIC CORRECTION
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: WEP.P35: Radar Remote Sensing Missions I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yukun Guo, Ze Yu, Jingwen Li
View ADD <input type="checkbox"/>	Paper Code: MOP.P27.174 Paper Number: 2411
	Title: A HIGH-ORDER HYPERBOLIC RANGE MODEL FOR HIGH-RESOLUTION SPACEBORNE SAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P27: SAR Imaging Techniques I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Wei Wang, Robert Wang, Yunkai Deng, Zhimin Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P17.91 Paper Number: 2414
	Title: RANGE RESOLUTION IMPROVEMENT OF RANGE GATED LIDAR SYSTEM BY PHASE CODED METHOD
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: THP.P17: Information Extraction

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Long Wu, Jiajia Xu, Xiaocheng Yang, Wentao Lv, Qingheng Zhang, Jindi Yan, Yong Zhang, Yuan Zhao
View ADD <input type="checkbox"/>	Paper Code: WEP.P17.98 Paper Number: 2415
	Title: RETRIEVAL OF FOREST ABOVE GROUND BIOMASS USING AUTOMATIC KNN MODEL
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: WEP.P17: Forests and Vegetation II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Chunmei Li, Xin Tian, Zengyuan Li, Erxue Chen, Wangfei Zhang
View ADD <input type="checkbox"/>	Paper Code: TU3.L5.4 Paper Number: 2416
	Title: The Effects of Temporal Decorrelation and Topographic Slope On Forest Height Retrieval Using Airborne Repeat-Pass L-Band Polarimetric SAR Interferometry
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: TU3.L5: Radar Forestry
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Michael Denbina, Marc Simard
View ADD <input type="checkbox"/>	Paper Code: TH3.L1.2 Paper Number: 2419
	Title: HIGH-RESOLUTION 3-D IMAGING OF MICROMOTION TARGETS FROM RID IMAGE SERIES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: TH3.L1: SAR Imaging Techniques V
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Xueru Bai, Yongguo Li, Ping Huang
View ADD <input type="checkbox"/>	Paper Code: THP.P5.26 Paper Number: 2425
	Title: PSINSAR TECHNIQUE TO MONITOR COASTAL LOWLAND SUBSIDENCE ALONG THE EASTERN COAST OF CHINA - A CASE STUDY IN ZHEJIANG COAST
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P5: Differential SAR Interferometry I
	Time: Thursday, July 14, 17:20 - 19:00

	Authors: Man Li, Ling Zhang, Daqing Ge, Bin Liu, Yan Wang, Xiaofang Guo
View ADD <input type="checkbox"/>	Paper Code: MOP.P28.178 Paper Number: 2427
	Title: AN ADAPTIVE SAR IMAGE SPECKLE REDUCTION ALGORITHM BASED ON UNDECIMATED WAVELET TRANSFORM AND NON-LOCAL MEANS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P28: SAR Imaging Techniques II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Fan Yang, Ze Yu, Chunsheng Li
View ADD <input type="checkbox"/>	Paper Code: WE2.L11.3 Paper Number: 2428
	Title: RECENT ADVANCES OF THE TRMM PR BEAM-MISMATCH CORRECTION AFTER THE ORBIT BOOST
	Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms
	Session: WE2.L11: Global Precipitation Measurement Instruments and Algorithms II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Kaya Kanemaru, Takuji Kubota, Takeshi Masaki, Riko Oki, Kinji Furukawa, Toshio Iguchi, Hiroshi Hanado, Naofumi Yoshida
View ADD <input type="checkbox"/>	Paper Code: WEP.P30.166 Paper Number: 2430
	Title: SAR IMAGING AND NUMERICAL SIMULATION OF UPWELLING PROCESSES NEAR THE COASTAL AREA OF QINGDAO IN CHINA
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P30: Ocean Waves and Currents
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Len Pietrafesa, Shaowu Bao, Xiaofeng Li, Zizang Yang, Dongliang Shen, Weizhong Zheng
View ADD <input type="checkbox"/>	Paper Code: MOP.P7.40 Paper Number: 2432
	Title: DYNAMIC THRESHOLD CLOUD DETECTION ALGORITHMS FOR MODIS AND LANDSAT 8 DATA
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P7: Clouds and Precipitation: Satellite Remote Sensing I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jing Wei, Lin Sun, Chen Jia, Yikun Yang, Xueying Zhou, Ping Gan, Shangfeng Jia, Fangwei Liu, Ruibo Li

View ADD <input type="checkbox"/>	Paper Code: WE4.L1.3 Paper Number: 2434
	Title: EXACT REVERSE BACKPROJECTION FOR SAR RAW DATA GENERATION OF NATURAL SCENES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: WE4.L1: SAR Imaging Techniques II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Dexin Li, Marc Rodriguez-Cassola, Pau Prats-Iraola, Paco López-Dekker, Manqing Wu, Juergen Detlefsen, Alberto Moreira

View ADD <input type="checkbox"/>	Paper Code: TH1.L6.2 Paper Number: 2435
	Title: ADAPTIVE FILTER FOR IMPROVING QUALITY OF ALOS PRISM DSM
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: TH1.L6: Digital Terrain Models
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Junichi Takaku, Akira Iwasaki, Takeo Tadono

View ADD <input type="checkbox"/>	Paper Code: THP.P7.34 Paper Number: 2438
	Title: USING GB-SAR TECHNIQUE TO MONITOR DISPLACEMENT OF OPEN PIT SLOPE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P7: Differential SAR Interferometry III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Bin Liu, Daqing Ge, Man Li, Ling Zhang, Yan Wang, Xiaobo Zhang

View ADD <input type="checkbox"/>	Paper Code: TH1.L9.3 Paper Number: 2441
	Title: A FEATURE PRESERVING ALGORITHM FOR POINT CLOUD SIMPLIFICATION BASED ON HIERARCHICAL CLUSTERING
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: TH1.L9: Lidar Technology and Applications
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Pengcheng Zhao, Yue Wang, Qingwu Hu

View ADD <input type="checkbox"/>	Paper Code: THP.P16.85 Paper Number: 2442
	Title: A LEAST-SQUARES ADJUSTED GROUNDING LINE FOR THE AMERY ICE SHELF USING ICESAT AND LANDSAT 8 OLI DATA
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: THP.P16: Ice Sheets and Glaciers II

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Lei Chen, Huan Xie, Shuang Liu, Yanmin Jin, Jun Liu, Xiaohua Tong
View ADD <input type="checkbox"/>	Paper Code: TU1.L9.5 Paper Number: 2443
	Title: INITIAL RESULTS FOR NEAR SURFACE SOIL FREEZE-THAW PROCESS DETECTION USING GPS-INTERFEROMETRIC REFLECTOMETRY
	Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors
	Session: TU1.L9: Remote Sensing using GNSS-like Signals and Other Sensors I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Xuerui Wu, Liang Chang, Shuanggen Jin, Yanfang Dong, Xiaodong Qian
View ADD <input type="checkbox"/>	Paper Code: WEP.P36.196 Paper Number: 2444
	Title: RADIOMETRIC CALIBRATION BASED ON ANTENNA MODEL
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: WEP.P36: Radar Remote Sensing Missions II
	Time: Wednesday, July 13, 17:20 - 19:00
Authors: Jiwen Geng, Na Pu, Ze Yu, Peng Lin, Chunsheng Li	
View ADD <input type="checkbox"/>	Paper Code: TU2.L5.5 Paper Number: 2446
	Title: CLIMATE AND LEAF PHENOLOGY CONTROLS ON TROPICAL FOREST PHOTOSYNTHESIS
	Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function
	Session: TU2.L5: Remote Sensing of Vegetation Traits and Function II
	Time: Tuesday, July 12, 10:30 - 12:10
Authors: Alfredo Huete, Natalia Restrepo-Coupe, Jin Wu, Scott Saleska	
View ADD <input type="checkbox"/>	Paper Code: TUP.P42.231 Paper Number: 2448
	Title: MANIFOLD LEARNING BASED SUPERVISED HYPERSPECTRAL DATA CLASSIFICATION METHOD USING CLASS ENCODING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P42: Spectral Analysis and Feature Extraction
	Time: Tuesday, July 12, 17:20 - 19:00
Authors: Miao Zhang, Wei Guo, Yiming Cui, Fei Shen, Yi Shen	

View ADD <input type="checkbox"/>	Paper Code: TH2.L11.1 Paper Number: 2449
	Title: A HIGH-RESOLUTION GLOBAL DATASET OF AEROSOL OPTICAL DEPTH OVER LAND FROM MODIS DATA
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: TH2.L11: Aerosols and Atmospheric Chemistry II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Lin Sun, Jing Wei, Chen Jia, Yikun Yang, Xueying Zhou, Ping Gan, Fangwei Liu, Shangfeng Jia, Ruibo Li
View ADD <input type="checkbox"/>	Paper Code: FR3.L2.2 Paper Number: 2450
	Title: VALIDATION OF LANDSAT-8 TIRS LAND SURFACE TEMPERATURE RETRIEVED FROM MULTIPLE ALGORITHMS IN AN EXTREMELY ARID REGION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: FR3.L2: Estimation and Regression Applications
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Yujia Wang, Ji Zhou, Mingsong Li, Xiaodong Zhang
View ADD <input type="checkbox"/>	Paper Code: TUP.P9.46 Paper Number: 2451
	Title: A NOVEL UNSUPERVISED CLASSIFICATION APPROACH FOR HYPERSPECTRAL IMAGERY BASED ON SPECTRAL MIXTURE MODEL AND MARKOV RANDOM FIELD
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P9: Classification of Hyperspectral Image IV
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yuan Fang, Linlin Xu, Xiao Sun, Longshan Yang, Yujia Chen, Junhuan Peng
View ADD <input type="checkbox"/>	Paper Code: FR1.L9.3 Paper Number: 2458
	Title: ANTENNA PERFORMANCE UNDER GEO-PROPERTY VARIATIONS FOR REAL-TIME UNDERGROUND TOMOGRAPHY
	Topic: Invited Sessions: Advanced Ground Penetrating Radar
	Session: FR1.L9: Advanced Ground Penetrating Radar I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Taian Fan, Tian Xia, Liang Cheng
View ADD <input type="checkbox"/>	Paper Code: FR4.L1.4 Paper Number: 2459
	Title: BEIJING SUBWAY TUNNELINGS AND HIGH-SPEED RAILWAY SUBSIDENCE MONITORING WITH PSINSAR AND TERRASAR-X DATA

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: FR4.L1: Differential SAR Interferometry II</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Daqing Ge, Ling Zhang, Man Li, Bin Liu, Yan Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P40.222Paper Number: 2460</p> <p>Title: LAND SURFACE TEMPERATURE RETRIEVAL USING AMSR-E DATA IN THE CENTRAL TIBETAN PLATEAU</p> <p>Topic: Cryosphere: Snow Cover</p> <p>Session: WEP.P40: Snow Cover and Frozen/Thaw</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yi Tang, Yonghong Yi, Wenjiang Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P25.135Paper Number: 2462</p> <p>Title: APPLICATION OF RADAR AND OPTICAL REMOTE SENSING DATA IN LITHOLOGIC CLASSIFICATION AND IDENTIFICATION</p> <p>Topic: Land Applications: Topography, Geology and Geomorphology</p> <p>Session: THP.P25: Remote Sensing in Mining</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Weilin Yuan, Yan Ma, Shengwei Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P5.26Paper Number: 2465</p> <p>Title: ESTIMATING DAYTIME SURFACE AIR TEMPERATURE USING MULTI-SOURCE REMOTE SENSING AND CLIMATE REANALYSIS DATA AT GLACIERIZED BASINS: A CASE STUDY AT LANGTANG VALLEY, NEPAL</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WEP.P5: Atmospheric Sounding Algorithms</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Wang Zhou, Bin Peng, Jiancheng Shi, Yam Prasad Dhital, Tianxin Wang, Dabin Ji, Tianjie Zhao, Panpan Yao, Yurong Cui, Lijuan Shi, Ruzhen Yao, Chunguang Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P39.246Paper Number: 2466</p> <p>Title: ASSIMILATION OF 30M RESOLUTION LAI INTO CROP GROWTH MODEL FOR IMPROVING LAI ESTIMATION IN PLATEAU GRASSLAND</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P39: Vegetation Monitoring by MODIS</p> <p>Time: Monday, July 11, 17:20 - 19:00</p>

	Authors: Xueting Zhang, Binbin He, Xingwen Quan
View ADD <input type="checkbox"/>	Paper Code: TH1.L7.2 Paper Number: 2474
	Title: LAND COVER MAPPING, CHANGE DETECTION AND ITS DRIVING FORCES QUANTIFYING IN THE SOUTHWESTERN CHINA FROM 1990 TO 2010
	Topic: Land Applications: Land Use Applications
	Session: TH1.L7: Land Use and Land Cover Applications
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Ainong Li, Guangbin Lei, Jinhu Bian, Zhengjian Zhang
View ADD <input type="checkbox"/>	Paper Code: TUP.P26.138 Paper Number: 2475
	Title: AN IMAGE REGISTRATION METHOD BASED ON THE COMBINATION OF MULTIPLE IMAGE FEATURES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P26: Image and Feature Match
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Geng-Ke Wang, Huaping Xu, Huan Zhang
View ADD <input type="checkbox"/>	Paper Code: TUP.P5.27 Paper Number: 2476
	Title: SEMI-SUPERVISED CROSS-VIEW SCENE MODEL ADAPTATION FOR REMOTE SENSING IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P5: Analysis of Multi-view Data
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zhipeng Deng, Hao Sun, Shilin Zhou, Kefeng Ji
View ADD <input type="checkbox"/>	Paper Code: THP.P28.151 Paper Number: 2477
	Title: EVALUATION OF THE PERFORMANCE OF AZIMUTH OFFSET METHOD IN INSAR IONOSPHERIC ERROR CORRECTION: A CASE STUDY OF YUSHU EARTHQUAKE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P28: SAR Interferometry I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Wu Zhu, Xiao-Li Ding, Bo-Chen Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P9.46 Paper Number: 2478
	Title: MODELING LANDSCAPE SPATIAL FREQUENCY CHARACTERISTICS --CASE STUDY IN LOESS HILLY AREA OF CHINA

	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P9: Digital Terrain Models
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xiang Tu, Chunmei Wang, Qinke Yang
View ADD <input type="checkbox"/>	Paper Code: TUP.P7.37 Paper Number: 2479
	Title: MINING THE SPATIAL DISTRIBUTION OF VISUAL WORDS FOR SCENE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P7: Classification and Data Mining
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jingwen Hu, Menghan Li, Gui-Song Xia, Liangpei Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P10.51 Paper Number: 2489
	Title: LAND DEFORMATION MAPPING WITH ALOS PALSAR DATA: A CASE STUDY OF TAIPEI CITY
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P10: Geological Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Alex Hay-Man Ng, Linlin Ge, Xiaojing Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P41.227 Paper Number: 2490
	Title: APPLICATION OF SNOWMELT RUNOFF MODEL (SRM) IN UPPER SONGHUAJIANG BASIN USING MODIS REMOTE SENSING DATA
	Topic: Cryosphere: Snow Cover
	Session: WEP.P41: Snow Cover II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Qian Yang, Shengbo Chen, Hongjie Xie, Xiaohua Hao, Wenchun Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P42.268 Paper Number: 2491
	Title: SPATIO-TEMPORAL CHANGE OF VEGETATION ON TIBETAN PLATEAU BASED ON AVHRR-NDVI DATA
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P42: Vegetation Monitoring III
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Wei Wang, Qisheng Feng, Hui Yu, Tiangang Liang, Ni Guo

View ADD <input type="checkbox"/>	Paper Code: TUP.P19.101 Paper Number: 2492
	Title: IMPROVING HJ-1B IRS LAND SURFACE TEMPERATURE PRODUCT USING ASTER GLOBAL EMISSIVITY DATASET
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P19: Electromagnetic theory: Radar and Optical
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Hua Li, Tian Hu, Xiangchen Meng, Yongming Du, Biao Cao, Qinhuo Liu
View ADD <input type="checkbox"/>	Paper Code: TH3.L12.3 Paper Number: 2494
	Title: A PRELIMINARY IN SITU CALIBRATION FOR HY-2A SATELLITE ALTIMETER
	Topic: Oceans: Ocean Altimetry
	Session: TH3.L12: Ocean Altimetry
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Yalong Liu, Ke Xu, Yang Song, Youguang Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P35.219 Paper Number: 2495
	Title: IMPACTS OF IONOSPHERIC TEMPORAL VARIABILITY ON L-BAND GEO SAR IMAGING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P35: SAR Imaging Techniques VIII
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Qingbo Zhang, Ze Yu, Peng Xiao
View ADD <input type="checkbox"/>	Paper Code: MOP.P41.259 Paper Number: 2496
	Title: ECOSYSTEM MAPPING IN MOUNTAINOUS AREAS BY FUSING MULTI-SOURCE DATA AND THE RELATED KNOWLEDGE
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P41: Vegetation Monitoring II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Guangbin Lei, Ainong Li, Jianbo Tan, Jinhu Bian, Wei Zhao
View ADD <input type="checkbox"/>	Paper Code: WEP.P6.30 Paper Number: 2497
	Title: A Mountain-Based Occultation Experiment with L2C and B1I Open Loop
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WEP.P6: Atmospheric Sounding Sensors

	<p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Di Wu, Xianyi Wang, Yueqiang Sun, Qifei Du, Dongwei Wang, Yuerong Cai, Chunjun Wu, Weihua Bai, Junming Xia, Xiangguang Meng, Wei Li, Cheng Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L6.4 Paper Number: 2498</p>
	<p>Title: SEMANTIC LOCATION-BASED SERVICES</p>
	<p>Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems</p>
	<p>Session: WE3.L6: Advancing Interoperability for Geoscience Information Systems I</p>
	<p>Time: Wednesday, July 13, 13:30 - 15:10</p>
	<p>Authors: Liangcun Jiang, Peng Yue, Xia Guo</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P36.195 Paper Number: 2499</p>
	<p>Title: VIIRS DAY/NIGHT BAND OBSERVATIONS OF AURORAL ACTIVITY DURING A 2015 SEVERE GEOMAGNETIC STORM</p>
	<p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p>
	<p>Session: TUP.P36: Passive Optical Applications & Sensors</p>
	<p>Time: Tuesday, July 12, 17:20 - 19:00</p>
	<p>Authors: Xi Shao, Changyong Cao, Tung-Chang Liu, Bin Zhang, Shing F. Fung, A. Surja Sharma</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P19.100 Paper Number: 2500</p>
	<p>Title: A SIMPLE FUSION ALGORITHM OF POLAR-ORBITING AND GEOSTATIONARY SATELLITE DATA FOR THE ESTIMATION OF SURFACE SHORTWAVE FLUXES</p>
	<p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling</p>
	<p>Session: TUP.P19: Electromagnetic theory: Radar and Optical</p>
	<p>Time: Tuesday, July 12, 17:20 - 19:00</p>
	<p>Authors: Ling Chen, Guangjian Yan, Huazhong Ren, Tianxing Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L3.2 Paper Number: 2503</p>
	<p>Title: ANALYSIS OF SATELLITE IMAGES FOR DISASTER DETECTION</p>
	<p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p>
	<p>Session: TH3.L3: Change Detection Applications</p>
	<p>Time: Thursday, July 14, 13:30 - 15:10</p>
	<p>Authors: Siti Nor Khuzaimah Binti Amit, Soma Shiraishi, Tetsuo Inoshita, Yoshimitsu Aoki</p>

View ADD <input type="checkbox"/>	Paper Code: FR4.L9.5 Paper Number: 2504
	Title: MODAL ANALYSIS OF THE EDDY CURRENT PROBLEM USING NULL-SPACE-FREE JACOBI-DAVIDSON
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar
	Session: FR4.L9: Subsurface Sensing
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Jonathan Gabbay, Waymond Scott, Jr.

View ADD <input type="checkbox"/>	Paper Code: MOP.P3.17 Paper Number: 2505
	Title: KERNEL LOW-RANK REPRESENTATION FOR HYPERSPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P3: Classification of Hyperspectral Image I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Lu Du, Zebin Wu, Yang Xu, Wei Liu, Zhihui Wei

View ADD <input type="checkbox"/>	Paper Code: MOP.P31.197 Paper Number: 2507
	Title: A NOVEL ANTENNA BEAM STEERING STRATEGY FOR GEO SAR STARING OBSERVATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P31: SAR Imaging Techniques IX
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jiabiao Zhang, Ze Yu, Peng Xiao

View ADD <input type="checkbox"/>	Paper Code: TUP.P17.89 Paper Number: 2509
	Title: SEMI-SUPERVISED CONDITIONAL RANDOM FIELD FOR HYPERSPECTRAL REMOTE SENSING IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P17: Deep, Semi-supervised, and Ensemble Learning for Image Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Junfeng Wu, Zhiguo Jiang, Haopeng Zhang, Bowen Cai, Quanmao Wei

View ADD <input type="checkbox"/>	Paper Code: WEP.P22.119 Paper Number: 2512
	Title: DYNAMICS OF DESERT VEGETATION AND ITS RESPONSE TO CLIMATE CHANGES DURING 1982-2013 IN THE HEXI CORRIDOR OF

	<p>NORTHWEST CHINA</p> <p>Topic: Land Applications: Land Cover Dynamics</p> <p>Session: WEP.P22: Land Cover Dynamics</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xuemei Yang, Jianping Ma, Jinnian Tang, Taibao Yang, Quanlin Ma, Yuan Hongbo, Mihretab G. Ghebregabher</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P9.49 Paper Number: 2513</p> <p>Title: IMPROVING SOIL MOISTURE ESTIMATION BY ASSIMILATING REMOTELY SENSED DATA INTO CROP GROWTH MODEL FOR AGRICULTURAL DROUGHT MONITORING</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P9: Droughts</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Hongkui Zhou, Jianjun Wu, Xiaohan Li, Guangpo Geng, Leizhen Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P26.144 Paper Number: 2515</p> <p>Title: GEOMORPHIC ZONES MAPPING AND DEVELOPMENT STATUS MONITORING OF CORAL REEFS IN XISHA, CHINA</p> <p>Topic: Oceans: Ocean Biology (Color) and Water Quality</p> <p>Session: WEP.P26: Ocean Biology and Water Quality</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Jingping Xu, Fang Li, Jianhua Zhao, Shiyong Wen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P37.202 Paper Number: 2517</p> <p>Title: MONITORING SOIL MOISTURE OVER WHEAT AND SOYBEAN FIELDS DURING GROWING SEASON USING SYNTHETIC APERTURE RADAR</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P37: Radar Soil Moisture II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Minfeng Xing, Jinfei Wang, Jiali Shang, Binbin He, Bo Shan, Xiaodong Huang, Jiang Qian</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L1.5 Paper Number: 2518</p> <p>Title: CLUSTERING-BASED SAR IMAGE DENOISING BY SPARSE REPRESENTATION WITH KSVD</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p>

	Session: TH1.L1: SAR Imaging Techniques III
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Yunshu Zhang, Kefeng Ji, Zhipeng Deng, Shilin Zhou, Huanxin Zou
View ADD <input type="checkbox"/>	Paper Code: TH1.L11.3 Paper Number: 2520
	Title: VALIDATION OF AEROSOL PROFILES FROM SCIAMACHY LIMB SCATTER MEASUREMENTS
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: TH1.L11: Aerosols and Atmospheric Chemistry I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Jingmei Yang
View ADD <input type="checkbox"/>	Paper Code: WEP.P41.228 Paper Number: 2525
	Title: ACCURACY ANALYSIS FOR AN IMPROVED DAILY CLOUD-FREE SNOW COVER PRODUCT ON TIBETAN PLATEAU
	Topic: Cryosphere: Snow Cover
	Session: WEP.P41: Snow Cover II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Wei Wang, Xiaodong Huang, Renping Zhang, Yaohui Li
View ADD <input type="checkbox"/>	Paper Code: TH4.L12.2 Paper Number: 2526
	Title: COMPARISON BETWEEN PHOTOSYNTHETICALLY AVAILABLE RADIATION (PAR) ESTIMATED FROM MODIS AND GOES OVER THE GULF OF MEXICO
	Topic: Oceans: Ocean Biology (Color) and Water Quality
	Session: TH4.L12: Ocean Biology and Water Quality
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Lin Qi, Zhongping Lee
View ADD <input type="checkbox"/>	Paper Code: WEP.P15.86 Paper Number: 2527
	Title: COMPRESSIVE HYPER-SPECTRAL IMAGING IN THE PRESENCE OF REAL NOISE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P15: Estimation and Regression Techniques
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Hemant Kumar Aggarwal, Angshul Majumdar
View	Paper Code: THP.P37.210 Paper Number: 2528

ADD <input type="checkbox"/>	<p>Title: SAR TOMOGRAPHY IMAGING BASED ON GENERALIZED ORTHOGONAL MATCHING PURSUIT—THE CASE STUDY OF PANGU 7 STAR HOTEL IN BEIJING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping</p> <p>Session: THP.P37: Tomography and 3D Mapping I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Shuguang He, Lei Pang, Xuedong Zhang, Hui Liu, Hui Bi, Liping Ai, Mengxin Sun, Yong Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR2.L6.5Paper Number: 2529</p> <p>Title: SUBSPACE SELECTION FOR HYPERSPECTRAL PANSHARPENING USING SPARSE UNMIXING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR2.L6: Hyperspectral Pansharpening</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Chiru Ge, Yunsong Li, JiaoJiao Li, Keyan Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE3.L11.5Paper Number: 2531</p> <p>Title: COMBINATION OF VIIRS MEASUREMENTS AND PRODUCTS WITH CRIS TOWARD EXTENDING DATA UTILIZATION</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WE3.L11: Atmospheric Sounding Sensors</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Likun Wang, Yong Han, Yong Chen</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE2.L5.5Paper Number: 2533</p> <p>Title: GLOBAL RAINFALL INTERCEPTION LOSS DERIVED FROM MULTI-SOURCE SATELLITE EARTH OBSERVATIONS</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: WE2.L5: Vegetation Monitoring by Optical Instruments II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Chaolei Zheng, Li Jia</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P15.87Paper Number: 2535</p> <p>Title: Sensitivity Analysis of Estimating Shortwave Solar Radiation to the DEM Spatial Scale</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p>

	<p>Session: WEP.P15: Estimation and Regression Techniques</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yanli Zhang, Jun Zhao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L8.2 Paper Number: 2538</p> <p>Title: Vehicles Detection using GF-2 Imagery based on Watershed Image Segmentation</p> <p>Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications</p> <p>Session: WE4.L8: Status and Development of China High-Resolution Earth Observation System and Applications II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Guofeng Wang, Yu Meng, Hichem Sahli, Anzhi Yue, Jiansheng Chen, Jingbo Chen, Dongxu He, Bin Wu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P43.235 Paper Number: 2540</p> <p>Title: WINTER WHEAT EXTRACTION USING CURVILINEAR INTEGRAL OF GF-1 NDVI TIME SERIES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P43: Vegetation and Tree Remote Sensing</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Yanjun Yang, Yulin Zhan, Qingjiu Tian, Lei Wang, Peiyan Wang, Wenmin Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P26.140 Paper Number: 2542</p> <p>Title: SOYBEAN CANOPY NITROGEN MONITORING AND PREDICTION USING GROUND BASED MULTISPECTRAL REMOTE SENSORS</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P26: Remote Sensing of Crop Diseases and Nutrients</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Yang Song, Jinfei Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P22.116 Paper Number: 2543</p> <p>Title: STUDY ON THE EXTRACTION OF IRON MINERALIZED ALTERATION INFORMATION IN VEGETATION COVERED AREAS BASED ON REMOTE SENSING ASTER DATA: A CASE STUDY OF FENGHUANGSHAN IRON DEPOSIT LOCATED IN LANLING COUNTY, SHANDONG PROVINCE, CHINA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction</p>

Session: TUP.P22: Feature Extraction and Reduction VII
Time: Tuesday, July 12, 17:20 - 19:00
Authors: Zhiling Zhao, Ping Wang, Linhai Jing, Yunwei Tang, Haifeng Ding, Liming Wang

View ADD <input type="checkbox"/>	Paper Code: TH4.L4.4 Paper Number: 2547
	Title: DRY SNOWPACK AND FRESHWATER ICEPACK REMOTE SENSING USING WIDEBAND AUTOCORRELATION RADIOMETRY
	Topic: Cryosphere: Snow Cover
	Session: TH4.L4: Snow Cover
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Seyedmohammad Mousavi, Roger De Roo, Kamal Sarabandi, Anthony England, Hamid Nejati

View ADD <input type="checkbox"/>	Paper Code: WE3.L8.5 Paper Number: 2548
	Title: Marine Environmental monitoring with GF-1 data
	Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications
	Session: WE3.L8: Status and Development of China High-Resolution Earth Observation System and Applications I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Mingsen Lin, Bin Zou, Tao Zeng, Chao Liang, Lijian Shi, Maohua Guo, Qian Feng

View ADD <input type="checkbox"/>	Paper Code: THP.P14.71 Paper Number: 2549
	Title: HYPERSPECTRAL IMAGE SUPER RESOLUTION RECONSTRUCTION WITH A JOINT SPECTRAL-SPATIAL SUB-PIXEL MAPPING MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P14: Hyperspectral Data Processing and Analysis
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xiong Xu, Xiaohua Tong, Jie Li, Huan Xie, Yanfei Zhong, Liangpei Zhang, Dongmei Song

View ADD <input type="checkbox"/>	Paper Code: FR4.L8.3 Paper Number: 2550
	Title: MICROWAVE THREE-DIMENSIONAL IMAGING UNDER SPARSE SAMPLING BASED ON MURA CODE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping
	Session: FR4.L8: Tomography and 3D Mapping
	Time: Friday, July 15, 15:40 - 17:20

	Authors: He Tian, Daojing Li, Xuan Hu
View ADD <input type="checkbox"/>	Paper Code: WEP.P5.28 Paper Number: 2552
	Title: ANALYSIS OF GPS IONOSPHERIC SCINTILLATION DURING SOLAR MAXIMUM AT MID-LATITUDE
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WEP.P5: Atmospheric Sounding Algorithms
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Wasiu Akande Ahmed, Falin Wu, Ganiyu Ishola Agbaje
View ADD <input type="checkbox"/>	Paper Code: TUP.P39.214 Paper Number: 2553
	Title: RADAR-BASED RAINFALL EROSION AND HILLSLOPE EROSION MODELLING IN A BURNT NATIONAL PARK AFTER STORM EVENTS
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P39: SMAP Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xihua Yang, Qinggaozi Zhu, Bofu Yu, Liying Sun
View ADD <input type="checkbox"/>	Paper Code: FR2.L2.5 Paper Number: 2557
	Title: GAUSSIAN DESCRIPTION ON THE ROUGHNESS DISTRIBUTION OF SAND-COVERED SURFACE FOR IEM WITH THE HELP OF INVERSION METHOD
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: FR2.L2: Estimation and Regression Techniques
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Yan Ming Zhang, Hui Chen, Tie Jun Cui
View ADD <input type="checkbox"/>	Paper Code: WEP.P4.21 Paper Number: 2561
	Title: SPATIO-TEMPORAL CHANGE AND INFLUENCING FACTORS OF TROPOSPHERIC NO ₂ COLUMN DENSITY OF BEIJING-TIANJIN-HEBEI REGION IN THE DECADE BASED OMI PRODUCT
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P4: Air Pollution
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Chunyan Zhou, Qing Li, Yingxia He, Pengfei Ma, Hui Chen, Zhongting Wang, Lijuan Zhang, Huiqin Mao, Yuhuan Zhang, Cuihong Chen

View ADD <input type="checkbox"/>	Paper Code: TUP.P1.6 Paper Number: 2563
	Title: Transferring Ground Level Image Annotations to Aerial and Satellite Scenes by Discriminative Subspace Alignment
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P1: Aerial Images Analysis and Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Hao Sun, Zhipeng Deng, Shuai Liu, Shilin Zhou

View ADD <input type="checkbox"/>	Paper Code: TU2.L3.4 Paper Number: 2564
	Title: AUTOMATIC BUILDING RECONSTRUCTION FROM HIGH RESOLUTION INSAR DATA USING STOCHASTIC GEOMETRICAL MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU2.L3: Detection with High Resolution Images
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Kun Fu, Yue Zhang, Xian Sun, Wenhui Diao, Bin Wu, Hongqi Wang

View ADD <input type="checkbox"/>	Paper Code: WEP.P39.214 Paper Number: 2565
	Title: Sea ice thickness retrieval with MODIS thermal infrared data over the Liaodong Bay during winter 2012-2013
	Topic: Cryosphere: Sea Ice
	Session: WEP.P39: Sea Ice II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Lijian Shi, Tao Zeng, Marko Makynen, Bin Cheng

View ADD <input type="checkbox"/>	Paper Code: WE2.L11.5 Paper Number: 2567
	Title: MICROPHYSICAL FEATURES OF SOLID/MELTING PARTICLES BY GROUND-BASED DIRECT OBSERVATIONS FOR THE GPM/DPR ALGORITHM DEVELOPMENT
	Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms
	Session: WE2.L11: Global Precipitation Measurement Instruments and Algorithms II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Kenji Suzuki, Katsuhiko Nakagawa, Yuki Kaneko, Riko Oki, Kenji Nakamura

View	Paper Code: TH2.L11.2 Paper Number: 2568
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ADD <input type="checkbox"/>	<p>Title: REMOTE SENSING OF PARTICULATE MATTER CONCENTRATIONS OVER THE UNIED ARAB EMIRATES (UAE)</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: TH2.L11: Aerosols and Atmospheric Chemistry II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Jun Zhao, Marouane Temimi, Fahad Mohammad Saeed Hareb, Iyasu Eibedingil</p>
View	<p>Paper Code: THP.P42.238Paper Number: 2569</p> <p>Title: AN ALTERNATIVE METHOD OF URBAN BUILT-UP AREA EXTRACTION USING LANDSAT TIME SERIES DATA</p> <p>Topic: Land Applications: Urban and Built Environment</p> <p>Session: THP.P42: Urban Applications III</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Jun Zhang, Peijun Li, Hongwei Zhang, Shu Peng, Ming Li, Ye Zhi</p>
ADD <input type="checkbox"/>	<p>Title: DISCUSSION ON SEA ICE SEGMENTATION OF HIGH RESOLUTION RADAR DATA</p> <p>Topic: Cryosphere: Sea Ice</p> <p>Session: WEP.P39: Sea Ice II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xiaoyan Dang, Yumei Wu, Wei Fan, Shengmao Zhang</p>
View	<p>Paper Code: WEP.P39.215Paper Number: 2570</p> <p>Title: DISCUSSION ON SEA ICE SEGMENTATION OF HIGH RESOLUTION RADAR DATA</p> <p>Topic: Cryosphere: Sea Ice</p> <p>Session: WEP.P39: Sea Ice II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xiaoyan Dang, Yumei Wu, Wei Fan, Shengmao Zhang</p>
ADD <input type="checkbox"/>	<p>Title: IMAGE-BASED PATH RADIANCE ESTIMATION GUIDED BY PHYSICAL MODEL</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: FR3.L2: Estimation and Regression Applications</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Eiji Kaneko, Hirofumi Aoki, Masato Tsukada</p>
View	<p>Paper Code: FR3.L2.4Paper Number: 2573</p> <p>Title: IMAGE-BASED PATH RADIANCE ESTIMATION GUIDED BY PHYSICAL MODEL</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: FR3.L2: Estimation and Regression Applications</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Eiji Kaneko, Hirofumi Aoki, Masato Tsukada</p>
ADD <input type="checkbox"/>	<p>Title: SURFACE AND VOLUMETRIC SCATTERING BY ROUGH DIELECTRIC BOUNDARY AT TERAHERTZ FREQUENCIES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: WE3.L7: Electromagnetic Theory</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p>
View	<p>Paper Code: WE3.L7.4Paper Number: 2576</p> <p>Title: SURFACE AND VOLUMETRIC SCATTERING BY ROUGH DIELECTRIC BOUNDARY AT TERAHERTZ FREQUENCIES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: WE3.L7: Electromagnetic Theory</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p>

	Authors: Jun Cheng Wei, Hui Chen, Tie Jun Cui
View ADD <input type="checkbox"/>	Paper Code: MOP.P32.200 Paper Number: 2577
	Title: Optimal Sub-chirp Combination Waveform Design based on MIMO SAR General Ambiguity Function
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P32: SAR Imaging Techniques V
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Guanhua Zhao, Yaowen Fu, Lei Nie, Zhaowen Zhuang
View ADD <input type="checkbox"/>	Paper Code: MOP.P34.217 Paper Number: 2578
	Title: THREE DIMENSIONAL SUBSIDENCE MONITORING IN THE SOUTH OF SYDNEY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P34: SAR Imaging Techniques VII
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Zheyuan Du, Linlin Ge, Alex Hay-Man Ng, Xiaojing Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P29.159 Paper Number: 2579
	Title: AN EMPIRICAL ALGORITHM FOR RETREIVING SALINITY IN THE ARABIAN GULF: APPLICATION TO LANDSAT-8 DATA
	Topic: Oceans: Ocean Temperature and Salinity
	Session: WEP.P29: Ocean Temperature and Salinity
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jun Zhao, Marouane Temimi
View ADD <input type="checkbox"/>	Paper Code: FR4.L2.3 Paper Number: 2581
	Title: GROUP SPARSE NONNEGATIVE MATRIX FACTORIZATION FOR HYPERSPECTRAL IMAGE DENOISING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: FR4.L2: Image Denoising and Compression
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Yangyang Xu, Yuntao Qian
View ADD <input type="checkbox"/>	Paper Code: WEP.P1.5 Paper Number: 2582
	Title: AN ATMOSPHERIC CORRECTION ALGORITHM FOR FY3/MERSI DATA OVER LAND IN CHINA
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry

	Session: WEP.P1: Aerosols and Atmospheric Chemistry III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Cheng Fan, Jie Guang, Yong Xue, Aojie Di, Lu She, Yahui Che
View ADD <input type="checkbox"/>	Paper Code: MOP.P13.71 Paper Number: 2584
	Title: ERROR ENTROPY MODEL BASED DETERMINATION OF MINIMUM DETECTABLE DEFORMATION MAGNITUDE OF TERRESTRIAL LASER SCANNING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P13: Disaster and Anomaly Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Xijiang Chen, Kegen Yu
View ADD <input type="checkbox"/>	Paper Code: WE4.L12.4 Paper Number: 2588
	Title: INTEGRATED SHIP MONITORING SYSTEM FOR REALTIME MARITIME SURVEILLANCE
	Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations
	Session: WE4.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Chan-Su Yang, Jaehoon Jeong
View ADD <input type="checkbox"/>	Paper Code: WE3.L4.5 Paper Number: 2589
	Title: AN UPSCALING ALGORITHM FOR VALIDATING SOIL MOSTURE REMOTE SENSING PRODUCTS BASED ON SPARSE OBSERVATION SITES
	Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks
	Session: WE3.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Rui Jin, Jian Kang
View ADD <input type="checkbox"/>	Paper Code: THP.P39.220 Paper Number: 2591
	Title: X-BAND MINI SAR RADAR ON EIGHT-ROTOR MINI-UAV
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: THP.P39: UAV Systems and Sensors
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jiali Yan, Ji Guo, Qianrong Lu, Kaizhi Wang, Xingzhao Liu

View ADD <input type="checkbox"/>	Paper Code: MOP.P41.258 Paper Number: 2592
	Title: SACRED GROVES FORESTS OF RADHANAGARI WILDLIFE SANCTUARY, MAHARASHTRA (INDIA)
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P41: Vegetation Monitoring II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Dr. Manoj Kukreja, B.D. Joshi, Vijay K Srivastava
View ADD <input type="checkbox"/>	Paper Code: WEP.P34.186 Paper Number: 2594
	Title: MULTITEMPORAL MULTIDIMENSIONAL SPECKLE FILTERING OF POLSAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P34: POL and POLInSAR V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Maryam Salehi, Ali Mohammadzadeh, Yasser Maghsoudi
View ADD <input type="checkbox"/>	Paper Code: WE2.L9.4 Paper Number: 2595
	Title: RESEARCH ON FUSION MODEL OF MULTI-TEMPORAL REMOTE SENSING BATHYMETRY AROUND ISLAND
	Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies
	Session: WE2.L9: Advances in Bathymetric and Oceanographic Lidar Studies II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Jingyu Zhang, Yi Ma, Weifu Sun
View ADD <input type="checkbox"/>	Paper Code: TH4.L11.5 Paper Number: 2596
	Title: CRUSTAL DEFORMATION ON THE KOREA PENINSULA BASED ON GNSS DATA DURING 2004-2015
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: TH4.L11: Earthquake & Subsidence
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Hyojin Yang, Sun-Cheon Park, Won-Jin Lee
View ADD <input type="checkbox"/>	Paper Code: TUP.P20.106 Paper Number: 2597
	Title: SIMPLIFICATION OF LINEAR SHORT-GRAVITY WAVES FOR MODELING SEA CLUTTER RETURNS DUE TO BRAGG SCATTERING AT X BAND

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: TUP.P20: Electromagnetic Theory: Sea, Soil, and Planets</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Hui Chen, Wen Ming Yu, Xiao Yang Zhou, Min Zhang, Tie Jun Cui</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P31.198Paper Number: 2598</p> <p>Title: A SAR RAW ECHO SIGNAL SIMULATOR FOR TERRAIN SURFACE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P31: SAR Imaging Techniques IX</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xu Qin, Hui Chen, Tie Jun Cui</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L10.3Paper Number: 2600</p> <p>Title: SUPERVISED LOCALLY LINEAR EMBEDDING FOR POLARIMETRIC SAR IMAGE CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR4.L10: SAR Polarimetry II</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Han Cao, Hong Zhang, Chao Wang, Meng Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P26.168Paper Number: 2601</p> <p>Title: LOCALIZED DICTIONARY DESIGN FOR GEOMETRICALLY ROBUST SONAR ATR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P26: SAR and Sonar Image Analysis and Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: John McKay, Vishal Monga, Raghu Raj</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L12.4Paper Number: 2602</p> <p>Title: A MULTITEMPORAL CHANGE DETECTION SOLUTION TO OIL SPILL MONITORING</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: FR4.L12: Oil Spill</p> <p>Time: Friday, July 15, 15:40 - 17:20</p>

	Authors: Sicong Liu, Mingmin Chi, Yangxiu Zou, Alim Samat
View ADD <input type="checkbox"/>	Paper Code: THP.P32.177 Paper Number: 2604
	Title: A DEEP LEARNING BASED SPATIAL DEPENDENCY MODELLING APPROACH TOWARDS SUPER-RESOLUTION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P32: Spectral Processing and Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Arun P V, Krishna Mohan Buddhiraju
View ADD <input type="checkbox"/>	Paper Code: FR3.L11.5 Paper Number: 2605
	Title: ORGANIZATIONAL BARRIERS TO ABSORPTIVE CAPACITY BUILDING FOR INTERNATIONAL TECHNOLOGY TRANSFER TO MALAYSIA
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: FR3.L11: Interdisciplinary Topics
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Patrick Van Der Heiden, Christine Pohl
View ADD <input type="checkbox"/>	Paper Code: TUP.P36.194 Paper Number: 2606
	Title: A PRELIMINARY STUDY OF AGGREGATING VIIRS I3 TO GENERATE M10 FOR ADDING A FUTURE WATER VAPOR BAND
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P36: Passive Optical Applications & Sensors
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Bin Zhang, Changyong Cao
View ADD <input type="checkbox"/>	Paper Code: WEP.P38.209 Paper Number: 2607
	Title: Bohai Sea Ice Thickness Estimation Based on Thermodynamic Ice Model and Earth Observation Data
	Topic: Cryosphere: Sea Ice
	Session: WEP.P38: Sea Ice I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Lijian Shi, Juha Karvonen, Bin Cheng, Marko Makynen, Tao Zeng, Bin Zou
View	Paper Code: TUP.P10.52 Paper Number: 2608

ADD <input type="checkbox"/>	<p>Title: PHYSICAL VARIATION OF WESTERN YELLOW SEA COASTAL CURRENT RETRIEVED FROM GOCI/MODIS DATA AND DIFFUSING INDICATION FROM ENTEROMORPHA IN SUMMER</p> <p>Topic: Oceans: Coastal Zones</p> <p>Session: TUP.P10: Coastal Zones I</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Yan Liwen, Chen Lei, Huang Haijun</p>
View	<p>Paper Code: WEP.P36.195 Paper Number: 2611</p> <p>Title: DECONVOLUTION METHOD FOR RESOLUTION ENHANCEMENT OF DUAL-FREQUENCY POLARIZED SCATTEROMETER</p> <p>Topic: Mission, Sensors and Calibration: Small Satellite Technology</p> <p>Session: WEP.P36: Radar Remote Sensing Missions II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Liling Liu, Xiaolong Dong, Jintai Zhu, Di Zhu</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: WEP.P11.62 Paper Number: 2614</p> <p>Title: EXPLORATORY DATA ANALYSIS AND MODELLING SOLAR RADIATION AND ASSOCIATED ENVIRONMENTAL PHENOMENON</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P11: Estimation and Regression Applications: Denoising</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Amrita Das, Jin Ki Park, Jong Hwa Park</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: THP.P34.191 Paper Number: 2615</p> <p>Title: PURE ENDMEMBER EXTRACTION USING SSR FOR HYPERSPECTRAL IMAGERY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P34: Spectral Unmixing Techniques II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Weiwei Sun, Man Jiang, Liangpei Zhang</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: TU1.L10.1 Paper Number: 2617</p> <p>Title: COSMO-SKYMED RESULTS AFTER 5 YEARS OF FULL CONSTELLATION EXPLOITATION</p> <p>Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities</p>
ADD <input type="checkbox"/>	

	Session: TU1.L10: COSMO-SkyMed Mission: Current and Future Activities I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Maria Girolamo Daraio, Maria Libera Battagliere, Alessandro Coletta

View ADD <input type="checkbox"/>	Paper Code: TU4.L8.3 Paper Number: 2619
	Title: SURFACE REFLECTANCE AUTO RETRIEVAL MODEL BASED ON HYPERSPETRAL REMOTELY SENSED IMAGES
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TU4.L8: Passive Optical: validation and calibration
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Hang Yang, Lifu Zhang, Xun Jian, Tong Qingxi

View ADD <input type="checkbox"/>	Paper Code: WEP.P37.204 Paper Number: 2620
	Title: USING GPS SNR DATA TO ESTIMATE SOIL MOISTURE VARIATIONS: PROPOSING A NEW INTERFERENCE MODEL
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: WEP.P37: Recent Advances in GNSS-R
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xuefeng Peng, Wei Wan, Xiuwan Chen

View ADD <input type="checkbox"/>	Paper Code: THP.P18.97 Paper Number: 2622
	Title: WATER BODY EXTRACTION AND CHANGE ANALYSIS BASED ON LANDSAT IMAGE IN XINJIANG COAL-MINING REGIONS
	Topic: Land Applications: Inland Waters
	Session: THP.P18: Inland Waters
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Sisi Yu, Lin Sun, Zhongchang Sun, Mengfan Wu

View ADD <input type="checkbox"/>	Paper Code: FR1.L8.1 Paper Number: 2623
	Title: A LIGHT-WEIGHT SAR SYSTEM FOR MULTI-ROTOR UAV PLATFORM USING LFM QUASI-CW WAVEFORM
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: FR1.L8: UAV Systems and Sensors
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Xiaoyu Yan, Jie Chen, Biman Liyanage, Pengbo Wang, Wei Yang

View	Paper Code: THP.P9.47 Paper Number: 2624
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ADD <input type="checkbox"/>	<p>Title: ESTIMATION OF VERTICAL ACCURACY OF DIGITAL ELEVATION MODELS OVER COMPLEX TERRAINS OF INDIAN SUBCONTINENT</p> <p>Topic: Land Applications: Topography, Geology and Geomorphology</p> <p>Session: THP.P9: Digital Terrain Models</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Siddharth Yadav, Indu J</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE4.L6.5 Paper Number: 2626</p> <p>Title: A WEBGIS APPLICATION: TUNA FISHING GROUND FORECASTING INFORMATION SERVICE SYSTEM FOR THE OPEN SOUTH CHINA SEA</p> <p>Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems</p> <p>Session: WE4.L6: Advancing Interoperability for Geoscience Information Systems II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Shijian Ji, Weifeng Zhou, Hongyun Xu, Xiaoxuan Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P4.22 Paper Number: 2627</p> <p>Title: ELM-BASED SPECTRAL–SPATIAL CLASSIFICATION OF HYPERSPECTRAL IMAGES USING BILATERAL FILTERING INFORMATION ON SPECTRAL BAND-SUBSETS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P4: Classification of Hyperspectral Image II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yu Shen, Jinhuan Xu, Heng Li, Liang Xiao</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO4.L11.2 Paper Number: 2628</p> <p>Title: IMPACTS OF AEROSOL SCATTERING ON THE SHORT-WAVE INFRARED SATELLITE OBSERVATIONS OF CO2</p> <p>Topic: Invited Sessions: Atmosphere Remote Sensing and their Application in Air Pollution</p> <p>Session: MO4.L11: Atmosphere Remote Sensing and its Application in Air Pollution II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Meng Fan, Liangfu Chen, Shenshen Li, Jinhua Tao, Lin Su, Mingmin Zou</p>
View	<p>Paper Code: WE3.L5.4 Paper Number: 2630</p>

ADD <input type="checkbox"/>	<p>Title: REMOTE SENSING OF SPATIAL DISTRIBUTION OF WETLANDS IN NORTHEAST CHINA, 1990-2013</p> <p>Topic: Invited Sessions: Remote Sensing for Ecology</p> <p>Session: WE3.L5: Remote Sensing for Ecology I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Zongming Wang, Mingming Jia, Dehua Mao, Chunying Ren</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P14.82Paper Number: 2632</p> <p>Title: ANALYZING THE POTENTIAL OF DIFFERENT FRACTIONS OF PHOTOSYNTHETICALLY ACTIVE RADIATION (FPARS) TO ESTIMATE GROSS PRIMARY PRODUCTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P14: Estimation and Regression Applications: Vegetation</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Zhengjia Liu, Chaoyang Wu, Shiguang Xu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P4.24Paper Number: 2636</p> <p>Title: SIMULATION OF NON-POINT SOURCE POLLUTION LOAD IN THE XIANGTAN STREAM BASIN THROUGH SWAT MODEL</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P4: Air Pollution</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Huazhang Liu, Shihua Li, Qingwen Zhang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO4.L7.1Paper Number: 2637</p> <p>Title: THE TRIANGULAR METHOD FOR EVAPOTRANSPIRATION ESTIMATION FROM LANDSAT DATA IN ARID AND SEMI-ARID REGIONS</p> <p>Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration</p> <p>Session: MO4.L7: Remote Sensing of Land Surface Evapotranspiration II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Lijuan Wang, Ni Guo, Sha Sha, Die Hu, Wei Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P42.263Paper Number: 2639</p> <p>Title: MULTI-KERNEL RETRIEVAL OF LAND SURFACE BIDIRECTIONAL REFLECTANCE DISTRIBUTION FUNCTIONS BASED ON L1-NROM OPTIMIZATION</p>

	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P42: Vegetation Monitoring III
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yiqing Guo, Xiuping Jia, David Paull, Alex Held

View ADD <input type="checkbox"/>	Paper Code: TH1.L7.4 Paper Number: 2641
	Title: SPARSITY-CONSTRAINED PROBABILISTIC LATENT SEMANTIC ANALYSIS FOR LAND COVER CLASSIFICATION
	Topic: Land Applications: Land Use Applications
	Session: TH1.L7: Land Use and Land Cover Applications
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Jun Shi, Xilan Tian, Zhiguo Jiang, Danpei Zhao, Ming Lu

View ADD <input type="checkbox"/>	Paper Code: TUP.P2.11 Paper Number: 2642
	Title: EXPLORING THE GREENING TRENDS IN GUANGZHOU IN RECENTLY 15 YEARS USING ALL AVAILABLE LANDSAT'S IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P2: Analysis of Image Time Series
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yingchun Fu, Yang Yu

View ADD <input type="checkbox"/>	Paper Code: WE4.L4.1 Paper Number: 2648
	Title: NOAA SOIL MOISTURE OPERATIONAL PRODUCT SYSTEM (SMOPS) AND ITS VALIDATIONS
	Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks
	Session: WE4.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Jicheng Liu, Xiwu Zhan, Christopher Hain, Jifu Yin, Li Fang, Zhengpeng Li, Limin Zhao

View ADD <input type="checkbox"/>	Paper Code: MO3.L8.4 Paper Number: 2650
	Title: CURRENT STATUS OF HYPERSPECTRAL IMAGER SUITE (HISUI) AND ITS DEPLOYMENT PLAN ON INTERNATIONAL SPACE STATION
	Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News
	Session: MO3.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News I

	Time: Monday, July 11, 13:30 - 15:10
	Authors: Tsuneo Matsunaga, Akira Iwasaki, Satoshi Tsuchida, Koki Iwao, Jun Tanii, Osamu Kashimura, Ryosuke Nakamura, Hirokazu Yamamoto, Soushi Kato, Koichiro Mouri, Tetsushi Tachikawa, Masao Moriyama
View ADD <input type="checkbox"/>	Paper Code: MOP.P37.232 Paper Number: 2651
	Title: HIGH-RESOLUTION OPTICAL SATELLITE IMAGE SIMULATION OF SHIP TARGET IN LARGE SEA SCENES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P37: Ship Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yuan Yao, Zhiguo Jiang, Haopeng Zhang
View ADD <input type="checkbox"/>	Paper Code: MO3.L6.5 Paper Number: 2653
	Title: SPATIAL GRID BASED OPEN GOVERNMENT DATA MINING
	Topic: Invited Sessions: Earth Observing Data Science
	Session: MO3.L6: Earth Observing Data Science I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Chenxiao Zhang, Peng Yue
View ADD <input type="checkbox"/>	Paper Code: WEP.P9.50 Paper Number: 2657
	Title: ASSESSING THE OCCURRENCE OF DROUGHT BASED ON NDVI, LST AND RAINFALL PATTERN DURING 2010-2014
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P9: Droughts
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Muhammad Arslan, Rao Zahid, Badar Ghauri
View ADD <input type="checkbox"/>	Paper Code: WE2.L10.4 Paper Number: 2659
	Title: GENERATION OF THE FIRST PALSAR-2 GLOBAL MOSAIC 2014/2015 AND CHANGE DETECTION BETWEEN 2007 AND 2015 USING THE PALSAR AND PALSAR-2
	Topic: Invited Sessions: ALOS-2
	Session: WE2.L10: ALOS-2 II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Masanobu Shimada, Takuya Itoh, Takeshi Motooka, Manabu Watanabe, Rajesh B. Thapa
View	Paper Code: TUP.P40.217 Paper Number: 2660

ADD <input type="checkbox"/>	Title: SPECTRAL REFLECTANCE FEATURES WITH VARIED SOIL PROPERTIES DURING DRYING PROCESS Topic: Land Applications: Soils and Soil Moisture Session: TUP.P40: Soil Properties I Time: Tuesday, July 12, 17:20 - 19:00 Authors: Jia Tian, William Philpot
View ADD <input type="checkbox"/>	Paper Code: WEP.P28.154 Paper Number: 2661 Title: DATA AND PROCESSING OF RFSCAT ONBOARD CFOSAT Topic: Oceans: Ocean Surface Winds and Currents Session: WEP.P28: Ocean Surface Winds II Time: Wednesday, July 13, 17:20 - 19:00 Authors: Xingou Xu, Risheng Yun, Xiaolong Dong, Di Zhu, Shuyan Lang
View ADD <input type="checkbox"/>	Paper Code: TUP.P9.45 Paper Number: 2662 Title: A WEIGHTED MULTI-TASK JOINT SPARSE REPRESENTATION METHOD FOR HYPERSPECTRAL IMAGE CLASSIFICATION Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering Session: TUP.P9: Classification of Hyperspectral Image IV Time: Tuesday, July 12, 17:20 - 19:00 Authors: Jinliang An, Yu Mo, Zhi Guo, Xiangrong Zhang
View ADD <input type="checkbox"/>	Paper Code: TU2.L11.1 Paper Number: 2663 Title: DEPLOYMENT AND PERFORMANCE OF THE NASA D3R DURING THE GPM OLYMPEX FIELD CAMPAIGN Topic: Atmosphere Applications: Precipitation and Clouds Session: TU2.L11: Clouds and Precipitation II Time: Tuesday, July 12, 10:30 - 12:10 Authors: V. Chandrasekar, Robert M. Beauchamp, Haonan Chen, Manuel Vega, Mathew Schwaller, Delbert Willie, Aaron Dabrowski, Mohit Kumar, Walter Petersen, David Wolff
View ADD <input type="checkbox"/>	Paper Code: FR3.L8.2 Paper Number: 2664 Title: TERRA AND AQUA MODIS INSTRUMENT PERFORMANCE Topic: Mission, Sensors and Calibration: Satellite Missions Session: FR3.L8: Satellite Missions Time: Friday, July 15, 13:30 - 15:10 Authors: Xiaoxiong Xiong, Amit Angal, Aisheng Wu, William Barnes, Vincent Salomonson

View ADD <input type="checkbox"/>	Paper Code: TH4.L3.2 Paper Number: 2668
	Title: ASSESSING DROUGHT VULNERABILITY USING SOIL MOISTURE-BASED WATER USE EFFICIENCY IN NORTHEAST ASIA DRYLAND REGIONS
	Topic: Advancing the Understanding of Our Living Planet: Global Change Study
	Session: TH4.L3: Global Change Study
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Sinkyu Kang, Nayoung Do, Sukyoung Hong
View ADD <input type="checkbox"/>	Paper Code: THP.P42.237 Paper Number: 2669
	Title: POPULATION SPATIALIZATION BASED ON BUILDING DENSITY ESTIMATION USING LANDSCAPE METRICS
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P42: Urban Applications III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Chenxi Lin, Yi Zhou, Shixin Wang, Wenliang Liu, Ye Tian
View ADD <input type="checkbox"/>	Paper Code: TUP.P22.117 Paper Number: 2670
	Title: Target Multi-aspect Scattering Sensitivity Feature Extraction Based on Circular-SAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P22: Feature Extraction and Reduction VII
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yue Zhao, Yun Lin, Yanping Wang, Wen Hong, Lingjuan Yu
View ADD <input type="checkbox"/>	Paper Code: TH1.L11.2 Paper Number: 2673
	Title: ESTIMATE PM2.5 CONCENTRATION IN 500M RESOLUTION FROM SATELLITE DATA AND GROUND OBSERVATION
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: TH1.L11: Aerosols and Atmospheric Chemistry I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Lixin Wu, Yang Bai, Yuanyuan Zhang, Jiale Li, Yafang Han, Kai Qin
View ADD <input type="checkbox"/>	Paper Code: MOP.P40.253 Paper Number: 2674
	Title: DOUGLAS FIR PRODUCTIVITY ESTIMATION USING VERY HIGH SPATIAL RESOLUTION IMAGERY – A CASE STUDY ON GROUND TREATMENT IMPACT IN WEST KOOTENAY, BRITISH COLUMBIA, CANADA

	<p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P40: Vegetation Monitoring I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Kongwen Zhang, Linhai Jing, Justin Robinson</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P33.177 Paper Number: 2675</p> <p>Title: ON-ORBIT GAIN LEVEL IDENTIFICATION AND NORMALIZATION OF FY-3A MERSI SHORTWAVE INFRARED BANDS BASED ON SPACE VIEW OBSERVATION</p> <p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TUP.P33: Optical Sensors and Calibration II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Ling Sun</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P23.126 Paper Number: 2678</p> <p>Title: SPATIO-TEMPORAL DISTRIBUTION OF CROP PHENOLOGY IN EASTERN COASTAL CHINA BASED ON MODIS DATA</p> <p>Topic: Land Applications: Land Use Applications</p> <p>Session: WEP.P23: Land Use Applications</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Tinting Lv, Zui Tao, Xiang Zhou, Xiaoyu Sun</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L7.5 Paper Number: 2680</p> <p>Title: MODELING AND CHARACTERISTICS OF BISTAIC SCATTERING FROM RICE CANOPY</p> <p>Topic: Invited Sessions: Physical Models in Microwave Remote Sensing</p> <p>Session: TU3.L7: Physical Models in Microwave Remote Sensing I</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Yu Liu, Kun-Shan Chen, Yuan Liu, Zhao-Liang Li, Peng Xu, Jiang-Yuan Zeng, Ming Jin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P6.32 Paper Number: 2683</p> <p>Title: ATTENUATION CORRECTION AND RAINDROP SIZE DISTRIBUTION WITH DUAL-POLARIZATION RADAR MEASUREMENTS AT KU-BAND</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P6: Clouds and Precipitation: Ground-based Sensing</p> <p>Time: Monday, July 11, 17:20 - 19:00</p>

	Authors: Haonan Chen, V. Chandrasekar, Sanghun Lim, Robert M. Beauchamp
View ADD <input type="checkbox"/>	Paper Code: MOP.P4.26 Paper Number: 2684
	Title: MAPPING LAND COVER WITH HYPERSPECTRAL AND MULTISPECTRAL SATELLITES USING MACHINE LEARNING AND SPECTRAL MIXTURE ANALYSIS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P4: Classification of Hyperspectral Image II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Matthew Clark
View ADD <input type="checkbox"/>	Paper Code: TU4.L11.2 Paper Number: 2685
	Title: IMPACT OF GPS RO AND RADIANCE DATA ASSIMILATION ON NUMERICAL WEATHER PREDICTION
	Topic: Atmosphere Applications: Numerical Weather Prediction and Data Assimilation
	Session: TU4.L11: Numerical Weather Prediction and Data Assimilation
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Pakornpop Boonyuen, Falin Wu, Parwapath Phunthirawuth, Yan Zhao
View ADD <input type="checkbox"/>	Paper Code: TU4.L2.3 Paper Number: 2686
	Title: AN UNSUPERVISED HIDDEN MARKOV RANDOM FIELD BASED SEGMENTATION OF POLARIMETRIC SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TU4.L2: SAR Image Classification
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Biplab Banerjee, Shaunak De, Surendar Manickam, Avik Bhattacharya
View ADD <input type="checkbox"/>	Paper Code: WEP.P34.187 Paper Number: 2687
	Title: FARADAY ROTATION CORRECTION AND TOTAL ELECTRON CONTENT ESTIMATION USING ALOS-2/PALSAR-2 FULL POLARIMETRIC SAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P34: POL and POLInSAR V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Shradha Mohanty, Gulab Singh, Yoshio Yamaguchi

View ADD <input type="checkbox"/>	Paper Code: TUP.P29.156 Paper Number: 2688
	Title: CHANGE DETECTION FOR HIGH-RESOLUTION REMOTE SENSING IMAGERY USING OBJECT-ORIENTED CHANGE VECTOR ANALYSIS METHOD
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P29: Multitemporal Analysis Urban Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Liang Li, Xue Li, Yun Zhang, Lei Wang, Guowei Ying

View ADD <input type="checkbox"/>	Paper Code: TH4.L5.4 Paper Number: 2689
	Title: PRELIMINARY FAPARCHL PRODUCTS FROM MODIS AND HYPERION
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: TH4.L5: Forest and Vegetation I
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Qingyuan Zhang, Tian Yao, Elizabeth Middleton, Alexei Lyapustin, Yujie Wang

View ADD <input type="checkbox"/>	Paper Code: TH4.L5.5 Paper Number: 2690
	Title: APPLICATION OF THE PHOTOCHEMICAL REFLECTANCE INDEX TO TRACK LIGHT USE EFFICIENCY WITH A TWO-LEAF MODEL
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: TH4.L5: Forest and Vegetation I
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Qian Zhang, Weimin Ju, Jing Chen, Fengting Yang

View ADD <input type="checkbox"/>	Paper Code: TUP.P34.180 Paper Number: 2691
	Title: THE APPLICATION OF FY-3/MWRI SOIL MOISTURE PRODUCT IN THE SUMMER DROUGHT MONITORING OF MIDDLE CHINA
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P34: Passive Microwave Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ruijing Sun, Yeping Zhang, Jinyang Du

View ADD <input type="checkbox"/>	Paper Code: WEP.P2.8 Paper Number: 2692
	Title: AN IMPROVED ALGORITHM FOR RETRIEVAL OF AEROSOL OPTICAL PROPERTIES OVER THE YELLOW SEA FROM

	<p>GEOSTATIONARY OCEAN COLOR IMAGER</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: WEP.P2: Aerosols and Atmospheric Chemistry IV</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Ya-nan Zhang, Xiao-shen Zheng</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L7.5 Paper Number: 2696</p> <p>Title: BIBLIOMETRIC ANALYSIS ON GLOBAL REMOTE SENSING RESEARCH DURING 2010-2014</p> <p>Topic: Data Management and Education: Remote Sensing Data and Policy Decisions</p> <p>Session: TH4.L7: Remote Sensing Data and Policy Decisions</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Hongyue Zhang, Guoqing Li, Mingrui Huang, Lianchong Zhang, Jibo Xie, Chuanzhao Tian</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L8.1 Paper Number: 2697</p> <p>Title: WMO INTEGRATED GLOBAL OBSERVING SYSTEMS (WIGOS) – CURRENT AND FUTURE NEEDS</p> <p>Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet</p> <p>Session: TH1.L8: International Operational Satellite Missions to Monitor the Planet I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Wenjian Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P8.48 Paper Number: 2699</p> <p>Title: MERGED OF GAUGE-SATELLITE PRECIPITATION BENEFITS TO DATA-SPARSE REGIONS AND TO EXTREME RAINFALL EVENTS</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P8: Clouds and Precipitation: Satellite Remote Sensing II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Huan Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L5.2 Paper Number: 2700</p> <p>Title: ESTIMATING OPTICAL DEPTH AND SINGLE SCATTERING ALBEDO OF SHORT VEGETATION BASED ON THE REFINED MVI</p> <p>Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass</p> <p>Session: TH2.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass II</p>

	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Linna Chai, Jiancheng Shi, Fengmin Wu
View ADD <input type="checkbox"/>	Paper Code: TU2.L11.3 Paper Number: 2703
	Title: REAL-TIME TORNADO DETECTION AND WIND RETRIEVAL WITH HIGH-RESOLUTION X-BAND DOPPLER RADAR NETWORK
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU2.L11: Clouds and Precipitation II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Haonan Chen, V. Chandrasekar
View ADD <input type="checkbox"/>	Paper Code: MOP.P13.69 Paper Number: 2704
	Title: GEOLOGICAL DISASTER DETECTION FROM REMOTE SENSING IMAGE BASED ON EXPERTS' KNOWLEDGE AND IMAGE FEATURES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P13: Disaster and Anomaly Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yuhuan Ren, Yalan Liu
View ADD <input type="checkbox"/>	Paper Code: TUP.P28.148 Paper Number: 2705
	Title: ASSESSING LAND DEGRADATION USING RUE AND PMR BASED ON REMOTE SENSING IN NORTHEAST ASIA DRYLAND REGIONS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P28: Multitemporal Analysis Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Wenping Kang, Sinkyu Kang
View ADD <input type="checkbox"/>	Paper Code: TUP.P18.96 Paper Number: 2706
	Title: PASSIVE MILLIMETER-WAVE SCENE IMAGING SIMULATION BASED ON FAST RAY-TRACING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P18: Electromagnetic Theory III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Bo Qi, Liang Lang, Yayun Cheng, Siyuan Liu, Fei Hu, Xiaoqin He, Pengying Deng, Liangqi Gui

View ADD <input type="checkbox"/>	Paper Code: THP.P26.139 Paper Number: 2708
	Title: DIAGNOSIS THE DUST STRESS OF WHEAT LEAVES WITH HYPERSPECTRAL INDICES AND RANDOM FOREST ALGORITHM
	Topic: Land Applications: Agriculture
	Session: THP.P26: Remote Sensing of Crop Diseases and Nutrients
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Liang Liang, Xiang Luo, Qin Sun, Jia Rui, Jialing Li, Jingmin Liang, Hui Lin
View ADD <input type="checkbox"/>	Paper Code: THP.P23.125 Paper Number: 2709
	Title: Object Oriented Land Cover Classification Combining Scale Parameter Preestimation and mean-shift segmentation
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation
	Session: THP.P23: Remote Sensing Image Segmentation I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yufang Qiu, Dongping Ming, Xian Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P5.31 Paper Number: 2710
	Title: ESTIMATION OF RAIN ATTENUATION LOSSES IN SIGNAL LINK FOR MICROWAVE FREQUENCIES USING ITU-R MODEL
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P5: Clouds and Precipitation
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shradha Mohanty, Charu Singh, Varun Tiwari
View ADD <input type="checkbox"/>	Paper Code: TH3.L2.1 Paper Number: 2713
	Title: AN OUTLIER GENERATION APPROACH FOR ONE-CLASS RANDOM FORESTS: AN EXAMPLE IN ONE-CLASS CLASSIFICATION OF REMOTE SENSING IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TH3.L2: Image Analysis and Classification
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Zhongkui Shi, Peijun Li, Yi Sun
View ADD <input type="checkbox"/>	Paper Code: WEP.P39.218 Paper Number: 2714
	Title: DETECTION OF SEA ICE BASED ON BEIDOU-REFLECTED SIGNALS
	Topic: Cryosphere: Sea Ice
	Session: WEP.P39: Sea Ice II

	<p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Hongxing Gao, Dongkai Yang, Weiqiang Li, Qiang Wang, Feng Wang, Cong Yin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P15.79 Paper Number: 2716</p> <p>Title: CONSTRUCTING A UNIFIED FRAMEWORK FOR MULTI-SOURCE REMOTELY SENSED DATA FUSION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P15: Data Fusion Techniques: Optical Sensors Fusion</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Bin Chen, Bo Huang, Bing Xu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P33.211 Paper Number: 2718</p> <p>Title: CLASSIFICATION OF TIME SERIES OF SAR IMAGES BASED ON GENERATIVE MODEL</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P33: SAR Imaging Techniques VI</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yaping Ye, Chu He, Zhang Zhi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P18.94 Paper Number: 2720</p> <p>Title: A MODIFIED METHOD FOR WATER BODY EXTRACTION USING LANDSAT DATA</p> <p>Topic: Land Applications: Inland Waters</p> <p>Session: THP.P18: Inland Waters</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Liming Wang, Han Gao, Linhai Jing, Hui Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L8.2 Paper Number: 2721</p> <p>Title: NEW RUSSIAN METEOROLOGICAL SATELLITE METEOR-M N 2: SENSING OF THE SUBSURFACE, SURFACE AND ATMOSPHERIC CHARACTERISTICS BY MTVZA-GY MICROWAVE IMAGER/SOUNDER</p> <p>Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet</p> <p>Session: TH2.L8: International Operational Satellite Missions to Monitor the Planet II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Igor Barsukov, Grigory Cherniavsky, Igor Cherny, Leonid Mitnik, Vladimir Kuleshov, Maia Mitnik</p>

View ADD <input type="checkbox"/>	Paper Code: WEP.P35.193 Paper Number: 2724
	Title: DATA PRE-PROCESSING OF MICAP (MICROWAVE IMAGER COMBINED ACTIVE AND PASSIVE) SCATTEROMETER
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: WEP.P35: Radar Remote Sensing Missions I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xingou Xu, Risheng Yun, Xiaolong Dong, Di Zhu, Xiaobin Yin, Hao Liu
View ADD <input type="checkbox"/>	Paper Code: THP.P8.41 Paper Number: 2725
	Title: HIGH-PERFORMANCE ADAPTIVE LOCAL KRIGING APPLIED TO RECOVERING SURFACE DEFORMATION ASSOCIATED WITH THE FAULT ZONES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P8: Differential SAR Interferometry IV
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Meng-Che Wu, Wen-Yen Chang, Yang-Lang Chang, Sheng-Yung Shih, Chihyuan Chu, Bormin Huang
View ADD <input type="checkbox"/>	Paper Code: TUP.P33.178 Paper Number: 2726
	Title: A MULTI-SCALE OBSERVATION EXPERIMENT ON LAND SURFACE TEMPERATURE OVER HETEROGENEOUS SURFACES IN AN EXTREMELY ARID REGION AND FIRST RESULTS
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P33: Optical Sensors and Calibration II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ji Zhou, Zhixing Peng, Mingsong Li, Shaomin Liu, Linqing Zhu, Lisheng Song
View ADD <input type="checkbox"/>	Paper Code: WE1.L5.5 Paper Number: 2728
	Title: BIO-PHYSIOLOGICAL SPECTRAL INDICES RETRIEVAL AND STATISTICAL ANALYSIS FOR RED PALM WEEVIL STRESS-ATTACK PREDICTION USING WORLDVIEW-3 DATA
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: WE1.L5: Vegetation Monitoring by Optical Instruments I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Abderrazak Bannari, Abdulaziz Mohamed, Derek Peddle

View ADD <input type="checkbox"/>	Paper Code: TH2.L6.4 Paper Number: 2730
	Title: DETECTION OF SINKHOLE PRECURSORS THROUGH SAR INTERFEROMETRY: FIRST RESULTS FROM SOUTH AFRICA
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: TH2.L6: Surface Hazards and Anomalies
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: André Theron, Jeanine Engelbrecht, Jaco Kemp, Waldo Kleynhans, Terence Turnbull
View ADD <input type="checkbox"/>	Paper Code: MO4.L6.1 Paper Number: 2735
	Title: IMPLEMENTING NEXT-GENERATION NATIONAL EARTH OBSERVATION DATA INFRASTRUCTURE TO INTEGRATE DISTRIBUTED BIG EARTH OBSERVATION DATA
	Topic: Invited Sessions: Earth Observing Data Science
	Session: MO4.L6: Earth Observing Data Science II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Jibo Xie, Guoqing Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P11.61 Paper Number: 2736
	Title: REMOTE SENSING ANALYSIS OF SEA SURFACE SALINITY TRENDS BY INCORPORATING AFFECTING FACTORS IN GULF OF MEXICO
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P11: Estimation and Regression Applications: Denoising
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Saeed Rajabi Kiasari, Mahdi Hasanlou
View ADD <input type="checkbox"/>	Paper Code: TH4.L12.4 Paper Number: 2737
	Title: NEURAL NETWORK TECHNOLOGY AND SEMI-ANALYTICAL APPROACH COMBINED MODEL FOR REMOTE SENSING CHLOROPHYLL-A CONCENTRATION
	Topic: Oceans: Ocean Biology (Color) and Water Quality
	Session: TH4.L12: Ocean Biology and Water Quality
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Dacheng Wang, Yufei Li, Bo Gao
View ADD <input type="checkbox"/>	Paper Code: THP.P41.234 Paper Number: 2738
	Title: LONG-TERM URBAN IMPERVIOUS SURFACE MONITORING USING SPECTRAL MIXTURE ANALYSIS: A CASE STUDY OF WUHAN CITY IN CHINA

	<p>Topic: Land Applications: Urban and Built Environment</p> <p>Session: THP.P41: Urban Applications II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Yao Shen, Huanfeng Shen, Huifang Li, Qing Cheng</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L7.5 Paper Number: 2739</p> <p>Title: ENHANCING MICROWAVE METAMATERIAL APERTURE RADAR IMAGING WITH ROTATION SYNTHESIS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling</p> <p>Session: WE3.L7: Electromagnetic Theory</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Zhenhua Wu, Lei Zhang, Hongwei Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P8.42 Paper Number: 2745</p> <p>Title: SQUARING WEIGHTED LOW-RANK SUBSPACE CLUSTERING FOR HYPERSPSPECTRAL IMAGE BAND SELECTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P8: Classification of Hyperspectral Image III</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Han Zhai, Hongyan Zhang, Liangpei Zhang, Pingxiang Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P7.42 Paper Number: 2746</p> <p>Title: CLOUD REMOVAL FROM THE AVHRR/2 IMAGES WITH CLOUD AND SNOW OVER QINGHAI-TIBET PLATEAU</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P7: Clouds and Precipitation: Satellite Remote Sensing I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Ji Zhu, Shuqin Cao, Guofei Shang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P33.207 Paper Number: 2747</p> <p>Title: SAR IMAGE CLASSIFICATION BASED ON THE MULTI-LAYER NETWORK AND TRANSFER LEARNING OF MID-LEVEL REPRESENTATIONS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P33: SAR Imaging Techniques VI</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Chenyao Kang, Chu He</p>

View ADD <input type="checkbox"/>	Paper Code: MO4.L3.4 Paper Number: 2748
	Title: A NOVEL ADAPTIVE SHIP DETECTION METHOD FOR SPACEBORNE SAR IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MO4.L3: Ship Detection
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Xiangguang Leng, Kefeng Ji, Qingju Fan, Shilin Zhou, Huanxin Zou

View ADD <input type="checkbox"/>	Paper Code: TUP.P35.189 Paper Number: 2750
	Title: APPLICATION OF HJ-1 CCD DATA TO ANALYZE THE GROWING-SEASON VARIATIONS OF SOIL RESPIRATION IN TWO IRRIGATED CROPLAND ECOSYSTEMS
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P35: Passive Microwave Soil Moisture III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ni Huang, Zheng Niu, Li Wang

View ADD <input type="checkbox"/>	Paper Code: TH4.L10.3 Paper Number: 2753
	Title: Polarimetric SAR Change Detection in Multiple Frequency Bands for Environmental Monitoring in Arctic Regions
	Topic: Invited Sessions: SAR Polarimetry: Theory and Applications
	Session: TH4.L10: SAR Polarimetry: Theory and Applications II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Andreas Reigber, Marc Jäger, Ernst Krogager

View ADD <input type="checkbox"/>	Paper Code: THP.P42.242 Paper Number: 2754
	Title: ESTIMATION OF DYNAMICS CHANGE OF ATMOSPHERIC AIR TEMPERATURE OF GROUND LAYER OF GYUMRI CITY
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P42: Urban Applications III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Varduhi Margaryan

View ADD <input type="checkbox"/>	Paper Code: TUP.P11.57 Paper Number: 2761
	Title: Detection and Dispersion of Oil Spills from Satellite Optical Images in a Coastal Bay
	Topic: Oceans: Coastal Zones
	Session: TUP.P11: Coastal Zones II
	Time: Tuesday, July 12, 17:20 - 19:00

	Authors: Min-Sun Lee, Kyung-Ae Park, Hyung-Rae Lee, Jae-Jin Park, Chang-Keun Kang, Moonjin Lee
View ADD <input type="checkbox"/>	Paper Code: TH3.L2.4 Paper Number: 2767
	Title: A NOVEL LAND COVER MAPPING ALGORITHM BASED ON RANDOM FOREST AND MARKOV RANDOM FIELD MODELS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TH3.L2: Image Analysis and Classification
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Teerasit Kasetkasem, Panyanat Aonpong, Preesan Rakwatin, Thitiporn Chanwimaluang, Itsuo Kumazawa
View ADD <input type="checkbox"/>	Paper Code: MOP.P11.62 Paper Number: 2768
	Title: DISASTER EVENT MANAGEMENT BASED ON INTEGRATED DISASTER REDUCTION AND RAPID SERVICE PLATFORM
	Topic: Data Management and Education: Data Management and Systems
	Session: MOP.P11: Data Management and Systems II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yan Cui, Suju Li, Liying Wang, Moquan Sha, Yang Shu
View ADD <input type="checkbox"/>	Paper Code: FR1.L6.5 Paper Number: 2769
	Title: HYPERSPECTRAL AND MULTISPECTRAL IMAGE FUSION USING COLLABORATIVE REPRESENTATION WITH LOCAL ADAPTIVE DICTIONARY PAIR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: FR1.L6: Data Fusion Techniques
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Tuo Zhao, Yifan Zhang, Xiaoqin Xue, Mingyi He
View ADD <input type="checkbox"/>	Paper Code: THP.P31.172 Paper Number: 2770
	Title: A segmentation based global iterative censoring scheme for ship detection in synthetic aperture radar image
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P31: SAR Processing and Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Sirui Tian, Chao Wang, Hong Zhang

View ADD <input type="checkbox"/>	Paper Code: THP.P25.131 Paper Number: 2771
	Title: REGIONAL LITHOLOGICAL MAPPING IN THE TIBETAN PLATEAU AND SURROUNDING AREA USING ASTER DATA
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P25: Remote Sensing in Mining
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yoshiki Ninomiya, Bihong Fu
View ADD <input type="checkbox"/>	Paper Code: MOP.P42.264 Paper Number: 2773
	Title: SEASONALITY AND BACKGROUND EFFECTS ON PADDY RICE ANISOTROPIC PROPERTIES FROM FIELD MEASUREMENTS
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P42: Vegetation Monitoring III
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Tao Sun, Hongliang Fang, Weiwei Liu, Yongchang Ye
View ADD <input type="checkbox"/>	Paper Code: WEP.P13.76 Paper Number: 2774
	Title: PREDICTING SOIL HEAVY METAL BASED ON RANDOM FOREST MODEL
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P13: Estimation and Regression Applications: Soil
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Weibo Ma, Kun Tan, Peijun Du
View ADD <input type="checkbox"/>	Paper Code: MO3.L1.3 Paper Number: 2776
	Title: TEMPORAL DECORRELATION ON AIRBORNE REPEAT PASS P-, L-BAND T-SAR IN BOREAL FOREST
	Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications
	Session: MO3.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Wenmei Li, Erxue Chen, Zengyuan Li, Wangfei Zhang, Hui Li
View ADD <input type="checkbox"/>	Paper Code: MO3.L11.4 Paper Number: 2777
	Title: A NEW CLOUD MASK ALGORITHM USED IN AEROSOL RETRIEVAL OVER LAND FOR SUO-NPP VIIRS
	Topic: Invited Sessions: Atmosphere Remote Sensing and their Application in Air Pollution

	<p>Session: MO3.L11: Atmosphere Remote Sensing and its Application in Air Pollution I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Wang Yang, Chen Liangfu, Shang Huazhe</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P1.6 Paper Number: 2778</p> <p>Title: COMPARISON OF ATMOSPHERIC CARBON DIOXIDE CONCENTRATION BASED ON GOSAT AND OCO-2 OBSERVATIONS</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: WEP.P1: Aerosols and Atmospheric Chemistry III</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yingying Jing, Jiancheng Shi, Peng Zhang, Tianxing Wang, Lin Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P41.255 Paper Number: 2779</p> <p>Title: SPATIAL SCALE EFFECT ON VEGETATION PHENOLOGICAL ANALYSIS USING REMOTE SENSING DATA</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P41: Vegetation Monitoring II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yiting Wang, Donghui Xie, Ronghai Hu, Guangjian Yan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P23.130 Paper Number: 2781</p> <p>Title: MULTISCALE CONVOLUTIONAL NEURAL NETWORK FOR THE DETECTION OF BUILT-UP AREAS IN HIGH-RESOLUTION SAR IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P23: Object Detection and Recognition with SAR Images</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jingge Li, Rong Zhang, Yue Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P15.88 Paper Number: 2782</p> <p>Title: THE DISTRIBUTION OF AIR-SEA CO2 FLUX IN THE WESTERN ARCTIC OCEAN FOR THE SUMMER IN 2008 BY IN-SITU AND REMOTELY SENSED DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P15: Estimation and Regression Techniques</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p>

	Authors: Suqing Xu
View ADD <input type="checkbox"/>	Paper Code: MOP.P8.47 Paper Number: 2783
	Title: CORRECTION OF DAILY PRECIPITATION DATA OF ITPCAS DATASET OVER THE QINGHAI-TIBETAN PLATEAU WITH KNN MODEL
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P8: Clouds and Precipitation: Satellite Remote Sensing II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yudan Wang, Zhuotong Nan, Hao Chen, Xiaobo Wu
View ADD <input type="checkbox"/>	Paper Code: FR3.L9.5 Paper Number: 2784
	Title: GEO-REFERENCING AND STEREO CALIBRATION OF GROUND-BASED WHOLE SKY IMAGERS USING THE SUN TRAJECTORY
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: FR3.L9: Ground Based Sensing
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Florian M. Savoy, Soumyabrata Dev, Yee Hui Lee, Stefan Winkler
View ADD <input type="checkbox"/>	Paper Code: THP.P21.112 Paper Number: 2785
	Title: STUDY ON CROP WATER REQUIREMENT IN THE MIDDLE REACHES OF HEIHE RIVER BASIN BASED ON SEBS MODEL
	Topic: Land Applications: Agriculture
	Session: THP.P21: Remote Sensing for Agricultural Hydrology
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yao Wang, Qi Li, Pengfei Wu, Aqiao Li
View ADD <input type="checkbox"/>	Paper Code: TUP.P22.118 Paper Number: 2786
	Title: MICRO-DOPPLER SIGNATURES OF SEA SURFACE TARGETS AND APPLICATIONS TO RADAR DETECTION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P22: Feature Extraction and Reduction VII
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xiaolong Chen, Jian Guan, Zhijian Zhao, Hao Ding
View ADD <input type="checkbox"/>	Paper Code: FR4.L3.2 Paper Number: 2787
	Title: HYPERSPECTRAL UNMIXING USING TOTAL VARIATION REGULARIZED REWEIGHTED SPARSE NON-NEGATIVE MATRIX FACTORIZATION

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR4.L3: Spectral Unimixing Techniques III</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Wei He, Hongyan Zhang, Liangpei Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P19.111Paper Number: 2791</p> <p>Title: A FILTER ALGORITHM FOR GPS/INS INTEGRATED NAVIGATION SYSTEM BASED ON IMM-AF</p> <p>Topic: Mission, Sensors and Calibration: Satellite Missions</p> <p>Session: MOP.P19: Microwave and Optical Calibration</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Zhilu Wu, Yuyuan Zhang, Jinlong Sun, Zhendong Yin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L5.3Paper Number: 2792</p> <p>Title: EXTRACTION OF THE VERTICAL DISTRIBUTION OF BIOCHEMICAL PARAMETERS USING HYPERSPECTRAL LIDAR</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: TU4.L5: Forest Monitoring by Lidar and Multispectral Techniques</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Shuai Gao, Zheng Niu, Gang Sun, Wang Li, Hailang Qiao, Yuchu Qin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L6.4Paper Number: 2793</p> <p>Title: DEEP FUSION OF HYPERSPECTRAL AND LIDAR DATA FOR THEMATIC CLASSIFICATION</p> <p>Topic: Invited Sessions: Data Fusion</p> <p>Session: WE2.L6: Data Fusion II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Yushi Chen, Chunyang Li, Pedram Ghamisi, Chunyu Shi, Yanfeng Gu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P42.233Paper Number: 2795</p> <p>Title: DETERMINATION OF OPTIMAL HYPERSPECTRAL VARIABLES TO MONITOR WHEAT BIOMASS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P42: Spectral Analysis and Feature Extraction</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p>

	Authors: Chen Zhou, Min Jia, Xue Ma, Tao Cheng, Yan Zhu, Yongchao Tian, Weixing Cao, Xia Yao
View ADD <input type="checkbox"/>	Paper Code: THP.P15.80 Paper Number: 2796
	Title: FIRST MEASUREMENTS OF THE ULTRA-WIDEBAND SOFTWARE-DEFINED RADIOMETER (UWBRAD) AT DOME-C ANTARCTICA
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: THP.P15: Ice Sheets and Glaciers I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Marco Brogioni, Fabiano Monti, Vitale Stanzione, Giovanni Macelloni, Joel Johnson, Kenneth Jezek, Mark Andrews, Hongkun Li, Alexandra Bringer, Chi-Chih Chen, Domenic Belgiovane, Vladimir Leuski
View ADD <input type="checkbox"/>	Paper Code: FR4.L12.3 Paper Number: 2797
	Title: OIL SPILL MONITORING ON WATER SURFACES BY RADAR L, C AND X BAND SAR IMAGERY: A COMPARISON OF RELEVANT CHARACTERISTICS
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR4.L12: Oil Spill
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Pablo Marzialetti, Giovanni Laneve
View ADD <input type="checkbox"/>	Paper Code: WEP.P12.70 Paper Number: 2798
	Title: COMPARISON OF DIURNAL TEMPERATURE CYCLE MODEL AND POLYNOMIAL REGRESSION TECHNIQUE IN TEMPORAL NORMALIZATION OF AIRBORNE LAND SURFACE TEMPERATURE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P12: Estimation and Regression Applications: Land
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Linqing Zhu, Ji Zhou, Shaomin Liu, Mingsong Li, Guoquan Li
View ADD <input type="checkbox"/>	Paper Code: TUP.P31.162 Paper Number: 2799
	Title: WAVELET-BASED 1/F-NOISE ELIMINATION IN MILLIMETER-WAVE RADIOMETER
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P31: Noise Reduction Techniques
	Time: Tuesday, July 12, 17:20 - 19:00

	Authors: Manman Huang, Liangqi Gui, Mingming Liu, Yayun Cheng, Liang Lang, Fei Hu
View ADD <input type="checkbox"/>	Paper Code: THP.P16.84 Paper Number: 2803 Title: Glacial Surface Topography and its Changes in the Western Qilian Mountains Derived from TanDEM-X Bi-Static InSAR Topic: Cryosphere: Ice Sheets and Glaciers Session: THP.P16: Ice Sheets and Glaciers II Time: Thursday, July 14, 17:20 - 19:00 Authors: Yafei Sun, Liming Jiang, Qishi Sun, Lin Liu, Zhimin Zhang, Yongling Sun, Lin Bai, Hansheng Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P1.5 Paper Number: 2807 Title: HELICOPTER CLASSIFICATION USING TIME-DOMAIN APPROACH ON X-BAND SURVEILLANCE RADAR Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering Session: TUP.P1: Aerial Images Analysis and Applications Time: Tuesday, July 12, 17:20 - 19:00 Authors: Hanhua Zhang, Yongpeng Dai, Zhimin Zhou
View ADD <input type="checkbox"/>	Paper Code: WEP.P10.56 Paper Number: 2808 Title: the loss assessment method of building earthquake damage using the remote sensing and building grid data Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution Session: WEP.P10: Earthquake Time: Wednesday, July 13, 17:20 - 19:00 Authors: Aixia Dou, Xiaoqing Wang, Xiaoxiang Yuan, Shumin Wang
View ADD <input type="checkbox"/>	Paper Code: TH2.L7.1 Paper Number: 2809 Title: MULTI-TEMPORAL ANALYSIS OF LAND SURFACE DYNAMICS IN THE YELLOW RIVER BASIN (CHINA) Topic: Land Applications: Land Cover Dynamics Session: TH2.L7: Land Cover Dynamics Time: Thursday, July 14, 10:30 - 12:10 Authors: Christian Wohlfart, Gaohuan Liu, Chong Huang, Claudia Kuenzer
View ADD <input type="checkbox"/>	Paper Code: MOP.P23.134 Paper Number: 2810 Title: AN LAND MASKING ALGORITHM FOR SHIP DETECTION IN SAR IMAGES

	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P23: Object Detection and Recognition with SAR Images
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Kefeng Ji, Xiangguang Leng, Qingju Fan, Shilin Zhou, Huanxin Zou

View ADD <input type="checkbox"/>	Paper Code: TUP.P5.25 Paper Number: 2811
	Title: AN IMPROVED DETECTION AND FEATURE RETRIEVAL METHOD OF ANISOTROPIC SCATTERING FOR MULTI-ASPECT POLSAR DATA PROCESSING BASED ON DRIA FRAMEWORK
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P5: Analysis of Multi-view Data
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xue Fei-teng, Li Yang, Lin Yun, Yin Qiang, Hong Wen

View ADD <input type="checkbox"/>	Paper Code: TU3.L11.3 Paper Number: 2812
	Title: GPS DERIVED PWV FOR RAINFALL MONITORING
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU3.L11: Clouds and Precipitation III
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Shilpa Manandhar, Yee Hui Lee, Soumyabrata Dev

View ADD <input type="checkbox"/>	Paper Code: WE1.L2.3 Paper Number: 2815
	Title: A GAUSSIAN APPROACH TO SUBSPACE BASED CLASSIFICATION OF HYPERSPECTRAL IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: WE1.L2: Classification of Hyperspectral Image I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Mahdi Khodadadzadeh, Lorenzo Bruzzone, Jun Li, Antonio Plaza

View ADD <input type="checkbox"/>	Paper Code: THP.P43.247 Paper Number: 2816
	Title: ECOLOGICAL BENEFITS ASSESSMENT OF RIVER FLOW DIVERSION FOR EJINA OASIS IN HEIHE RIVER BASIN USING REMOTE SENSING
	Topic: Land Applications: Wetlands
	Session: THP.P43: Wetland and Inland Water
	Time: Thursday, July 14, 17:20 - 19:00

	Authors: Zhiguo Pang, Tianjie Lei, Jingxuan Lu, Jun Deng, Hongquan Sun, June Fu, Lin Li
View ADD <input type="checkbox"/>	Paper Code: MO4.L9.2 Paper Number: 2817
	Title: TIME DOMAIN CLASSIFICATION OF TRANSIENT RADIO FREQUENCY INTERFERENCE
	Topic: Invited Sessions: Microwave Remote Sensing and Radio-Frequency Interference
	Session: MO4.L9: Radio Frequency Interference in Microwave Remote Sensing and Radio Astronomy
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Daniel Czech, Amit Kumar Mishra, Michael Inggs
View ADD <input type="checkbox"/>	Paper Code: WE2.L7.4 Paper Number: 2820
	Title: Modeling radar backscattering of complex terrain at the landscape scale for retrieving forest structure parameters
	Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain
	Session: WE2.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Wenjian Ni, Guoqing Sun, Zhiyu Zhang, Haoyang Yu
View ADD <input type="checkbox"/>	Paper Code: TH3.L7.2 Paper Number: 2821
	Title: Earth Observation Data Integration and Opening System
	Topic: Data Management and Education: Data Management and Systems
	Session: TH3.L7: Data Management and Systems
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Jitao Yang, Guoqing Li
View ADD <input type="checkbox"/>	Paper Code: MO4.L3.2 Paper Number: 2823
	Title: A NOVEL THRESHOLD TEMPLATE ALGORITHM FOR SHIP DETECTION IN HIGH-RESOLUTION SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MO4.L3: Ship Detection
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Chonglei Wang, Fukun Bi, Liang Chen, Jing Chen
View	Paper Code: WEP.P6.32 Paper Number: 2826

ADD <input type="checkbox"/>	<p>Title: A TOTAL PRECIPITABLE WATER RETRIEVAL ALGORITHM OVER LAND USING AMSR2</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WEP.P6: Atmospheric Sounding Sensors</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Dabin Ji, Jiancheng Shi, Chuan Xiong, Tianxing Wang, Tianjie Zhao</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L1.3 Paper Number: 2828</p> <p>Title: DECEPTIVE JAMMING SUPPRESSION FOR SAR BASED ON TIME-VARYING INITIAL PHASE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH1.L1: SAR Imaging Techniques III</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Qingqing Feng, Huaping Xu, Zhefeng Wu, Bing Sun</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P21.123 Paper Number: 2830</p> <p>Title: CHARACTERISTICS OF AMSR-E SLOW ROTATION DATA</p> <p>Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration</p> <p>Session: MOP.P21: Microwave Radiometry</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Keiji Imaoka, Misako Kachi, Takashi Maeda, Satoko Miura, Susumu Saitoh, Yuji Taniguchi</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU1.L6.4 Paper Number: 2831</p> <p>Title: REGIONAL URBAN EXTENT EXTRACTION USING MULTI-SENSOR DATA AND DECISION RULES</p> <p>Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas</p> <p>Session: TU1.L6: Remote Sensors and Sensing of Urban Areas I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Xiya Zhang, Peijun Li, Haibo Hu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE4.L2.3 Paper Number: 2833</p> <p>Title: AN ASSESSMENT OF IMAGE FEATURES AND RANDOM FOREST FOR LAND COVER MAPPING OVER LARGE AREAS USING HIGH RESOLUTION SATELLITE IMAGE TIME SERIES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: WE4.L2: High Resolution Image Classification</p>

	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Charlotte Pelletier, Silvia Valero, Jordi Inglada, Gérard Dedieu, Nicolas Champion
View ADD <input type="checkbox"/>	Paper Code: THP.P34.187 Paper Number: 2835
	Title: ENDMEMBER EXTRACTION FOR HYPERSPECTRAL IMAGE BASED ON INTEGRATION OF SPATIAL-SPECTRAL INFORMATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P34: Spectral Unmixing Techniques II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xiangbing Kong, Zui Tao, Er Yang, Zhihui Wang, Chunxia Yang
View ADD <input type="checkbox"/>	Paper Code: MOP.P41.260 Paper Number: 2838
	Title: MONITORING VEGETATION GREEN UP USING SATELLITE AND GROUND DATA IN INNER MONGOLIA STEPPE, CHINA
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P41: Vegetation Monitoring II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jing Li, Xiaoqiu Chen, Tiejun Cui, Hongyuan Huo
View ADD <input type="checkbox"/>	Paper Code: WE2.L7.3 Paper Number: 2839
	Title: CALCULATION OF FAPAR OVER RAGGED TERRAINS: A CASE STUDY AT SAIHANBA
	Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain
	Session: WE2.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Peng Zhao, Wenjie Fan, Yuan Liu, Xiru Xu
View ADD <input type="checkbox"/>	Paper Code: MOP.P14.77 Paper Number: 2841
	Title: POINT PATTERN MATCHING ALGORITHM BASED ON LOCAL TOPOLOGICAL CHARACTERISTIC AND PROBABILISTIC RELAXATION LABELING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P14: Feature Extraction and Detection Algorithm I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Lin Lei, Huanxin Zou, Xiongqing Zhong

View ADD <input type="checkbox"/>	Paper Code: TH3.L5.4 Paper Number: 2842
	Title: ACCESS THE SPATIOTEMPORAL VARIATION OF NET PRIMARY PRODUCTIVITY IN CHINA USING MODIS AND METEOROLOGY DATA
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: TH3.L5: Forest Biomass
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Xue Wang, Kun Tan, Yaqin Sun
View ADD <input type="checkbox"/>	Paper Code: THP.P27.144 Paper Number: 2843
	Title: AUTOMATIC EXTRACTION OF LINEAR ARRANGED TARGETS FROM POLARIMETRIC SAR IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P27: SAR Data Processing and Target Detection
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Wei Guo, Kaimin Fu, Pingping Huang, Wen Yang
View ADD <input type="checkbox"/>	Paper Code: TH1.L8.3 Paper Number: 2844
	Title: THE CHINESE METEOROLOGICAL SATELLITE AND APPLICATIONS
	Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet
	Session: TH1.L8: International Operational Satellite Missions to Monitor the Planet I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Peng Zhang
View ADD <input type="checkbox"/>	Paper Code: FR4.L1.3 Paper Number: 2846
	Title: SPATIAL-TEMPORAL DEFORMATION CHARACTERISTICS IN THE URBAN AREA OF BEIJING USING HIGH RESOLUTION X-BAND IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR4.L1: Differential SAR Interferometry II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Xiaobo Zhang, Xuesheng Zhao, Daqing Ge, Bin Liu
View ADD <input type="checkbox"/>	Paper Code: MO4.L5.4 Paper Number: 2848
	Title: A MULTITEXTURE MODEL OF MULTILOOK POLARIMETRIC SAR DATA BASED ON GENERALIZED GAMMA DISTRIBUTION

	<p>Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring</p> <p>Session: MO4.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Heng-Chao Li, Chi Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P17.93Paper Number: 2849</p> <p>Title: A HYBRID LAND-USE MAPPING APPROACH BASED ON MULTI-SCALE SPATIAL CONTEXT</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P17: Land Cover Mapping</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jingbo Chen, Hichem Sahli, Jiansheng Chen, Chengyi Wang, Dongxu He, Anzhi Yue</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P43.234Paper Number: 2850</p> <p>Title: ANALYSIS OF THE POTENTIALITY OF MULTI-TEMPORAL COSMO-SKYMED® DATA FOR CLASSIFYING SUMMER CROPS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P43: Vegetation and Tree Remote Sensing</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Rocchina Guarini, Lorenzo Bruzzone, Massimo Santoni, Francesco Vuolo, Luigi Dini</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L2.2Paper Number: 2852</p> <p>Title: FAST TOPOLOGY PRESERVING POLSAR IMAGE SUPERPIXEL SEGMENTATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation</p> <p>Session: FR1.L2: Image Segmentation</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Weiwei Guo, Zenghui Zhang, Juanping Zhao, Wenxian Yu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L1.3Paper Number: 2853</p> <p>Title: THE TERRASAR-X GROUND SEGMENT IN SERVICE FOR NINE YEARS: CURRENT STATUS AND RECENT EXTENSIONS</p> <p>Topic: Invited Sessions: Advances on Spaceborne SAR Imaging</p> <p>Session: TU1.L1: Advances on Spaceborne SAR Imaging I</p>

	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Birgit Schättler, Falk Mrowka, Egbert Schwarz, Marie Lachaise
View ADD <input type="checkbox"/>	Paper Code: MO3.L12.3 Paper Number: 2855
	Title: RETRIEVAL AND ANALYSIS OF INTEGRATED PRECIPITABLE WATER VAPOR IN TYPHOON AREA FROM MWHTS ONBOARD FY-3C SATELLITE
	Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites
	Session: MO3.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Jieying He, Shengwei Zhang, Ying Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P29.161 Paper Number: 2857
	Title: BLOCK ADJUSTMENT WITH AIRBORNE INSAR FOR HIGH-PRECISION DEM EXTRACTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P29: SAR Interferometry II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Qianfu Chen, Tao Li, Xiaoming Gao, Weinan Chen, Danqin Wu
View ADD <input type="checkbox"/>	Paper Code: TU3.L6.2 Paper Number: 2859
	Title: STATISTICAL ASSESSMENT OF GROUNDWATER RESOURCES AND LONG TERM TREND USING GEOSPATIAL TECHNIQUES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science
	Session: TU3.L6: Geographic Information Science
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Rajat Agarwal, P.K. Garg
View ADD <input type="checkbox"/>	Paper Code: WE4.L7.2 Paper Number: 2860
	Title: EVALUATION OF THE BOUNDARY WAVE NUMBER FOR THE TWO-SCALE MODEL OF BACKSCATTER OF MICROWAVES IN KA- AND KU-BAND BY THE SEA SURFACE USING THE DUAL-FREQUENCY PRECIPITATION RADAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: WE4.L7: Rough Surface Scattering
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Mariya Panfilova, Vladimir Karaev

View ADD <input type="checkbox"/>	Paper Code: WEP.P39.217 Paper Number: 2861
	Title: SENSITIVITY ANALYSIS OF THE LONG-TERM TREND IN ANTARCTIC SEA ICE EXTENT
	Topic: Cryosphere: Sea Ice
	Session: WEP.P39: Sea Ice II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Lei Xu, Xi Zhao, Xiaoping Pang, Alfred Stein, Qing Ji
View ADD <input type="checkbox"/>	Paper Code: WE3.L10.5 Paper Number: 2862
	Title: Taking advantage of Sentinel-1 acquisitions modes to improve ocean sea state retrieval
	Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results
	Session: WE3.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Husson Romain, Alexis Mouche, Bertrand Chapron, Harald Johnsen, Fabrice Collard, Pauline Vincent, Gilles Guitton, Nicolas Longepe, Guillaume Hajduch, Yves Quilfen, Lucile Gaultier
View ADD <input type="checkbox"/>	Paper Code: MO3.L12.5 Paper Number: 2864
	Title: COMPARISON SIMULATED BRIGHTNESS TEMPERATURE BY RTTOV-11 WITH THE MEASUREMENTS FROM MWHS-II ONBOARD FY-3C SATELLITE
	Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites
	Session: MO3.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Yingzhu Huang, Zhenzhan Wang
View ADD <input type="checkbox"/>	Paper Code: WEP.P24.134 Paper Number: 2865
	Title: A LOW COST INDOOR MAPPING ROBOT BASED ON TINYSLAM ALOGRITHM
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: WEP.P24: Lidar Systems and Techniques
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zheng Gong, Jonathan Li, Wei Li
View	Paper Code: TU4.L12.3 Paper Number: 2867

ADD <input type="checkbox"/>	Title: COMPARISON OF INVERSION MODELS OF WIND SPEED RETRIEVAL FROM C-BAND SENTINEL-1 AND X-BAND TERRASAR-X DATA
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: TU4.L12: Ocean Surface Winds
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Tran Vu La, Ali Khenchaf, Fabrice Comblet, Carole Nahum

View ADD <input type="checkbox"/>	Paper Code: TU1.L11.4 Paper Number: 2869
	Title: EVALUATION OF GLOBAL SATELLITE MAPPING OF PRECIPITATION ANALYSIS PRODUCT DURING TORRENTIAL RAINFALL EVENT OF 22 JULY 2010 IN JINGHE BASIN
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU1.L11: Clouds and Precipitation: TRMM/GPM
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Jiaqi Chen, Jianan Lin, Bin Yong, Bo Chen

View ADD <input type="checkbox"/>	Paper Code: TUP.P10.50 Paper Number: 2873
	Title: LONG-TERM MONITORING OF SUSPENDED SEDIMENTS CONCENTRATION USING GOCI AND FIELD DATA IN HAN-RIVER ESTUARY, KOREA
	Topic: Oceans: Coastal Zones
	Session: TUP.P10: Coastal Zones I
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Deuk-Jae Hwang, Jong-Kuk Choi, Jinah Eom, Joo-Hyung Ryu, Han-Jun Woo

View ADD <input type="checkbox"/>	Paper Code: TH1.L5.1 Paper Number: 2874
	Title: MULTIFREQUENCY MICROWAVE EMISSION FOR ESTIMATING OPTICAL DEPTH AND VEGETATION BIOMASS
	Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass
	Session: TH1.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Simonetta Paloscia, Emanuele Santi, Paolo Pampaloni, Simone Pettinato

View ADD <input type="checkbox"/>	Paper Code: WEP.P20.111 Paper Number: 2875
	Title: WHICH ONE IS THE BEST:THE INTERPOLATION METHODS COMPARISON ON AVERAGE ANNUAL TEMPERATURE IN XINJIANG FROM 1951 TO 2013

Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science
Session: WEP.P20: Geographic Information Science II
Time: Wednesday, July 13, 17:20 - 19:00
Authors: Qian Yang, Jianghua Zheng, Zhihui Liu

View ADD <input type="checkbox"/>	Paper Code: WEP.P8.43 Paper Number: 2878
	Title: VEGETATION VARIATIONS INFLUENCED BY TYPHOON HAIYAN ON GREATER MEKONG SUB-REGION IN 2013
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P8: Disaster Assessment
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jing Zhao, Jing Li, Qinhuo Liu, Mu Xihan

View ADD <input type="checkbox"/>	Paper Code: FR4.L6.3 Paper Number: 2879
	Title: ROBUST SUPERRESOLUTION OF MULTIANGLE-MULTISPECTRAL REMOTE SENSING IMAGES BASED ON RANK MINIMIZATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: FR4.L6: Super-resolution
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Hang Chen, Hongyan Zhang, Liangpei Zhang

View ADD <input type="checkbox"/>	Paper Code: TU2.L8.1 Paper Number: 2880
	Title: AN OVERVIEW OF ISS HISUI HYPERSPECTRAL IMAGER RADIOMETRIC CALIBRATION
	Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions
	Session: TU2.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Kenta Obata, Satoshi Tsuchida, Izumi Nagatani, Hirokazu Yamamoto, Toru Kouyama, Yoshiro Yamada, Yu Yamaguchi, Juntaro Ishii

View ADD <input type="checkbox"/>	Paper Code: WE1.L12.3 Paper Number: 2889
	Title: SENSITIVITY OF SEA WIND DIRECTION RETRIEVAL FROM SENTINEL-1 DATA WITH REGARD TO SPATIAL RESOLUTION AND SPECKLE NOISE
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WE1.L12: Ocean Waves and Currents

	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Tran Vu La, Ali Khenchaf, Fabrice Comblet, Carole Nahum
View ADD <input type="checkbox"/>	Paper Code: THP.P5.25 Paper Number: 2890
	Title: PRELIMINARY RESEARCH ON LAND SUBSIDENCE PREDICTION METHOD IN BEIJING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P5: Differential SAR Interferometry I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Zeng Deng, Yinghai Ke, Huili Gong, Beibei Chen, Lin Zhu
View ADD <input type="checkbox"/>	Paper Code: WEP.P35.194 Paper Number: 2891
	Title: STUDY ON ECHO SIMULATIONS OF SPACEBORNE MILLIMETER-WAVE CLOUD PROFILE RADAR
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: WEP.P35: Radar Remote Sensing Missions I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Kai Cui, Dandan Zhang, Xichao Dong, Mingming Bian
View ADD <input type="checkbox"/>	Paper Code: WE2.L4.4 Paper Number: 2892
	Title: ESTIMATING SNOW WATER EQUIVALENT WITH BACKSCATTERING AT X AND KU BANDS
	Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress
	Session: WE2.L4: Water Cycle Observation Mission (WCOM): Development and Progress II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Yurong Cui, Chuan Xiong, Jiancheng Shi, Lingmei Jiang, Bin Peng, Dabin Ji, Tianjie Zhao
View ADD <input type="checkbox"/>	Paper Code: TU1.L8.5 Paper Number: 2893
	Title: DEVELOPMENT OF ROBUST QUALITY ASSURANCE PROCEDURES FOR TERRESTRIAL ESSENTIAL CLIMATE VARIABLE DATA PRODUCTS DERIVED FROM EARTH OBSERVATION SATELLITES
	Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions
	Session: TU1.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions I
	Time: Tuesday, July 12, 08:20 - 10:00

	Authors: Joanne Nightingale, Tracy Scanlon, Niall Origo, Kim Calders, Nigel Fox, Jan-Peter Muller
View ADD <input type="checkbox"/>	Paper Code: MO4.L11.4 Paper Number: 2894
	Title: AN IMPROVED CONSTRAINT METHOD IN OPTIMAL ESTIMATION OF CH4 FROM GOSAT SWIR OBSERVATIONS
	Topic: Invited Sessions: Atmosphere Semote Sensing and their Application in Air Pollution
	Session: MO4.L11: Atmosphere Remote Sensing and its Application in Air Pollution II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Mingmin Zou, Liangfu Chen, Meng Fan, Shenshen Li, Jinhua Tao
View ADD <input type="checkbox"/>	Paper Code: MO4.L7.5 Paper Number: 2895
	Title: Upscaling instantaneous evapotranspiration to the daytime scale over different vegetation types
	Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration
	Session: MO4.L7: Remote Sensing of Land Surface Evapotranspiration II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Xiaogang Wang, Wen Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P30.158 Paper Number: 2898
	Title: LANDSLIDE DETECTION AND MONITORING WITH INSAR TECHNIQUE OVER UPPER REACHES OF JINSHA RIVER, CHINA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P30: Multitemporal InSAR Analysis
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Chaoying Zhao, Ya Kang, Qin Zhang, Wu Zhu, Bin Li
View ADD <input type="checkbox"/>	Paper Code: TU4.L3.3 Paper Number: 2900
	Title: MINERAL TARGET DETECTION BASED ON MSCPE_BSE IN HYPERSPECTRAL IMAGE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: TU4.L3: Hyperspectral Image Analysis and Object Detection
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Yani Hou, Ying Zhang, Lilin Yao, Xiaofang Liu, Fu Wang

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L6.1 Paper Number: 2903</p> <p>Title: ESTIMATION OF SOLAR IRRADIANCE USING GROUND-BASED WHOLE SKY IMAGERS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR3.L6: Registration of Multisensor Images and Reconstruction</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Soumyabrata Dev, Florian M. Savoy, Yee Hui Lee, Stefan Winkler</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P6.33 Paper Number: 2905</p> <p>Title: AN IMPROVED FUZZY C-MEANS ALGORITHM AND BI-BAND MASK TECHNIQUE BASED CHANGE DETECTION METHOD IN LANDSAT8 OLI IMAGE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P6: Change Detection Applications</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Xian Li, Shuhe Zhao, Dianmin Cong, Xiyang Zhuang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P42.266 Paper Number: 2907</p> <p>Title: INFLUENCES OF GROUND STRUCTURE ON REMOTELY SENSED LAND SURFACE TEMPERATURE</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P42: Vegetation Monitoring III</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Zhixing Peng, Ji Zhou, Shaomin Liu, Mingsong Li, Linqing Zhu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P12.71 Paper Number: 2908</p> <p>Title: MONITORING THE METEOROLOGICAL DROUGHT IN THE MIDDLE REACHES OF HEIHE RIVER BASIN BASED ON TRMM PRECIPITATION DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P12: Estimation and Regression Applications: Land</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yao Wang, Zhonglin Xu, Bing Zhang, Qi Li</p>
<p>View</p>	<p>Paper Code: MO4.L5.1 Paper Number: 2909</p>

ADD <input type="checkbox"/>	<p>Title: SYNERGY OF SENTINEL-1 AND SENTINEL-2 IMAGERY FOR WETLAND MONITORING INFORMATION EXTRACTION FROM CONTINUOUS FLOW OF SENTINEL IMAGES APPLIED TO WATER BODIES AND VEGETATION MAPPING AND MONITORING</p> <p>Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring</p> <p>Session: MO4.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Hervé Yésou, Eric Pottier, Grégoire Mercier, Manuel Grizonnet, Sadri Haouet, Alain Giros, Robin Faivre, Claire Huber, Julien Michel</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L11.1 Paper Number: 2910</p> <p>Title: Remote sensing measurements of aerosol optical properties during the 2015 Indonesian biomass burning</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: TH1.L11: Aerosols and Atmospheric Chemistry I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Santo V. Salinas, Soo Chin Liew</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P22.118 Paper Number: 2911</p> <p>Title: INTER-ANNUAL GROWTH OF BROAD-LEAVED CANOPY ESTIMATED FROM THE REPEATED LIDAR MEASUREMENTS</p> <p>Topic: Land Applications: Land Cover Dynamics</p> <p>Session: WEP.P22: Land Cover Dynamics</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Youngkeun Song, Junichi Imanishi, Takeshi Sasaki, Keiko Ioki, Yukihiro Morimoto</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P6.27 Paper Number: 2912</p> <p>Title: USING MULTITEMPORAL INSAR DATA TO SUPPORT GEOHAZARD ASSESSMENT IN THE BANDUNG AREA, (WESTERN JAVA, INDONESIA)</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: THP.P6: Differential SAR Interferometry II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Cristiano Tolomei, Alessandro Lugari, Stefano Salvi, Hasanuddin Abidin, Simone Atzori, Teguh Purnama Sidiq, Irwan Gumilar, Giuseppe Pezzo</p>

View ADD <input type="checkbox"/>	Paper Code: MO4.L8.1 Paper Number: 2916
	Title: VERY HIGH SPECTRAL RESOLUTION IMAGING SPECTROSCOPY: THE FLUORESCENCE EXPLORER (FLEX) MISSION
	Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News
	Session: MO4.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: José Moreno, Yves Goulas, Andreas Huth, Elizabeth Middleton, Franco Miglietta, Gina Mohammed, Ladislav Nedbal, Uwe Rascher, Wouter Verhoef, Matthias Drusch
View ADD <input type="checkbox"/>	Paper Code: WE4.L8.4 Paper Number: 2917
	Title: A NEW PANSHARPEN METHOD BASED ON GUIDED IMAGE FILTERING: A CASE STUDY OVER GAOFEN-2 IMAGERY
	Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications
	Session: WE4.L8: Status and Development of China High-Resolution Earth Observation System and Applications II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Wenfei Zhao, Qinling Dai, Yalan Zheng, Leiguang Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P10.54 Paper Number: 2918
	Title: ADAPTIVE WAVE TRACING FOR COASTAL BATHYMETRY ESTIMATION
	Topic: Oceans: Coastal Zones
	Session: TUP.P10: Coastal Zones I
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Céline Danilo, Farid Melgani
View ADD <input type="checkbox"/>	Paper Code: TUP.P25.135 Paper Number: 2919
	Title: PROOF OF HIDDEN NODE NUMBER AND EXPERIMENTS ON RBF NETWORK FOR WELL LOG DATA INVERSION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P25: Image Analysis and Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Kou-Yuan Huang, Liang-Chi Shen, Jiun-Der You, Li-Sheng Weng

View ADD <input type="checkbox"/>	Paper Code: TH4.L2.1 Paper Number: 2920
	Title: Spectral-Spatial Rotation Forest for Hyperspectral Image Classification
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH4.L2: High Resolution Image Analysis
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Junshi Xia, Lionel Bombrun, Yannick Berthoumieu, Christian Germain, Peijun Du
View ADD <input type="checkbox"/>	Paper Code: MOP.P13.74 Paper Number: 2921
	Title: RECOGNITION OF OIL CONTAMINATED WASTEWATER USING LANDSAT 8 IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P13: Disaster and Anomaly Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yang Liu, Nannan Zhang, Liqun Zou, Shanhong Huang, Hongyan Guo, Wentong Dong
View ADD <input type="checkbox"/>	Paper Code: WEP.P3.12 Paper Number: 2922
	Title: VERTICAL DISTRIBUTIONS OF DUST AEROSOLS DERIVED FROM CALIPSO AND CLOUDSAT OBSERVATIONS IN HEXI CORRIDOR
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P3: Aerosols and Atmospheric Chemistry V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zuqin Deng, Lei Zhang
View ADD <input type="checkbox"/>	Paper Code: MO4.L12.4 Paper Number: 2923
	Title: ON THE IMPROVEMENT OF THE HY-2A SCATTEROMETER WIND QUALITY CONTROL
	Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites
	Session: MO4.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Wenming Lin, Marcos Portabella, Ad Stoffelen, Anton Verhoef, Shuyan Lang, Youguang Zhang, Mingsen Lin
View	Paper Code: FR3.L1.3 Paper Number: 2925

ADD <input type="checkbox"/>	<p>Title: SEQUENTIAL ESTIMATOR FOR DISTRIBUTED SCATTERER INTERFEROMETRY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: FR3.L1: Differential SAR Interferometry I</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Homa Ansari, Francesco De Zan, Nico Adam, Kanika Goel, Richard Bamler</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P34.185Paper Number: 2926</p> <p>Title: MEASURING AND VERIFYING OF SOIL MOISTURE IN DESERT STEPPE FROM DIFFERENT SPATIAL SCALING</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P34: Passive Microwave Soil Moisture II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Zhiguo Pang, Jingya Cai, June Fu, Wenlong Song, Yizhu Lu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO4.L3.5Paper Number: 2928</p> <p>Title: A NEW POLSAR SHIP DETECTION METRIC FUSED BY POLARIMETRIC SIMILARITY AND THE THIRD EIGENVALUE OF THE COHERENCY MATRIX</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MO4.L3: Ship Detection</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Yuyang Xi, Xi Zhang, Quan Lai, Wei Li, Haitao Lang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU4.L2.4Paper Number: 2930</p> <p>Title: SUPERVISED OIL SPILL CLASSIFICATION BASED ON FULLY POLARIMETRIC SAR FEATURES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TU4.L2: SAR Image Classification</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Yuanzhi Zhang, Yu Li, Yijun He, Tingchen Jiang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE1.L1.4Paper Number: 2931</p> <p>Title: SAR GROUND CONTROL POINT IDENTIFICATION WITH THE AID OF HIGH RESOLUTION OPTICAL DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across</p>

	<p>Session: WE1.L1: SAR Interferometry I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Sina Montazeri, Xiao Xiang Zhu, Ulrich Balss, Christoph Gisinger, Yuanyuan Wang, Michael Eineder, Richard Bamler</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L12.1 Paper Number: 2935</p> <p>Title: OVERVIEW OF THE CFOSAT MISSION</p> <p>Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations</p> <p>Session: TH1.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Danièle Hauser, Xiaolong Dong, Lotfi Aouf, Céline Tison, Patrick Castillan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L8.5 Paper Number: 2936</p> <p>Title: THE GLOBAL SPACE-BASED INTERCALIBRATION SYSTEM (GSICS)</p> <p>Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet</p> <p>Session: TH1.L8: International Operational Satellite Missions to Monitor the Planet I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Peng Zhang, Kenneth Holmlund, Mitch Goldberg, Jerome Lafeuille</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L11.5 Paper Number: 2937</p> <p>Title: TROPOPAUSE VARIATIONS IN TIBET FROM COSMIC GPS RADIO OCCULTATION OBSERVATIONS</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WE4.L11: Atmospheric Sounding Algorithms</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Attaullah Khan, Shuanggen Jin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P3.15 Paper Number: 2941</p> <p>Title: PROPOSAL OF MEP (METHANE EMISSION PRESUMPTION) METHOD TO INVESTIGATE METHANE SOURCES</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: WEP.P3: Aerosols and Atmospheric Chemistry V</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Jonggeol Park, Sooyoung Park</p>

View ADD <input type="checkbox"/>	Paper Code: WE4.L7.3 Paper Number: 2942
	Title: EFFICIENT ALGORITHM FOR CALCULATING BACKSCATTERING FROM TWO-DIMENSIONAL ROUGH SEA SURFACE UNDER LOW GRAZING ANGLE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: WE4.L7: Rough Surface Scattering
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Jing-Wei Hao, Wei Song, Xin-Qing Sheng

View ADD <input type="checkbox"/>	Paper Code: TUP.P20.108 Paper Number: 2943
	Title: THE RESEARCH ON MODELING DIELECTRIC CONSTANT OF LUNAR REGOLITH FOR MICROWAVE BAND
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P20: Electromagnetic Theory: Sea, Soil, and Planets
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Chi Liu, Ping Chen

View ADD <input type="checkbox"/>	Paper Code: WE1.L11.5 Paper Number: 2944
	Title: INCORPORATING THE TRMM DATASET INTO THE GPM MISSION DATA SUITE
	Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms
	Session: WE1.L11: Global Precipitation Measurement Instruments and Algorithms I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Erich Stocker, Yimin Ji, Joyce Chou, Owen Kelley, John Kwiatkowski, John Stout

View ADD <input type="checkbox"/>	Paper Code: TUP.P16.83 Paper Number: 2945
	Title: LANDSAT AND MODIS DATA FUSION PRODUCTS BASED PHENOLOGY ANALYSIS OF DRYLAND IN SHAN DONG PROVINCE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P16: Data Fusion Techniques: Pansharpening and Superresolution
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xiyang Zhuang, Shuhe Zhao, Xian Li, Dianmin Cong

View	Paper Code: FR3.L3.1 Paper Number: 2946
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ADD <input type="checkbox"/>	<p>Title: SUPERPIXEL BASED HYPERSPECTRAL TARGET DETECTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR3.L3: Target Detection Techniques</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Akin Caliskan, Emreacan Bati, Alper Koz, A. Aydin Alatan</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P41.229Paper Number: 2947</p> <p>Title: CLOUD REMOVAL FOR MODIS FRACTIONAL SNOW COVER PRODUCTS BY SIMILAR PIXEL REPLACEMENT GUILD WITH MODIFIED NON-DOMINATED SORTING GENETIC ALGORITHM</p> <p>Topic: Cryosphere: Snow Cover</p> <p>Session: WEP.P41: Snow Cover II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Jinliang Hou, Chunlin Huang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH3.L4.5Paper Number: 2948</p> <p>Title: A PRELIMINARY ANALYSIS OF COMPONENT POLARIMETRIC DECOMPOSITION TOWARDS SOIL MOISTURE INVERSION IN AN OASIS OF THE NORTHWEST ARID REGIONS OF CHINA</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TH3.L4: New Approaches to Soil Moisture</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Chunfeng Ma, Xin Li, Irena Hajnsek, Haijing Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P23.135Paper Number: 2949</p> <p>Title: ANGULAR RESOLUTION ENHANCEMENT OF REAL-BEAM SCANNING RADAR BASE ON ACCELERATED ITERATIVE SHINKAGE/THRESHOLDING ALGORITHM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P23: Object Detection and Recognition with SAR Images</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Ke Tan, Wenchao Li, Yulin Huang, Jianyu Yang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P41.222Paper Number: 2950</p> <p>Title: SPATIO-TEMPORAL VARIATION OF SOIL MOISTURE AND DROUGHT MONITORING USING PASSIVE MICROWAVE REMOTE SENSING</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P41: Soil Properties II</p>

	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Thiruvengadam P, Y. S. Rao
View ADD <input type="checkbox"/>	Paper Code: FR2.L10.4 Paper Number: 2951
	Title: Simultaneous L- and X- band fully polarimetric and interferometric airborne SAR campaigns in China
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: FR2.L10: PolSAR and PolInSAR Information Extraction II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Adriano Meta, Yong Huang, Yanjing Liu
View ADD <input type="checkbox"/>	Paper Code: FR3.L7.3 Paper Number: 2952
	Title: URBAN EXPANSION EXTRACTION AND ANALYSIS USING LANDSAT TIME SERIES DATA--A CASE STUDY OF TIANJIN
	Topic: Land Applications: Urban and Built Environment
	Session: FR3.L7: Optical Urban Remote Sensing
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Baohui Chai, Peijun Li
View ADD <input type="checkbox"/>	Paper Code: WEP.P9.52 Paper Number: 2955
	Title: TEMPORAL AND SPATIAL DISTRIBUTION OF DROUGHT IN NORTHEAST CHINA BASED ON TEMPERATURE VEGETATION DROUGHT INDEX (TVDI) FROM 2001-2013
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P9: Droughts
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Dianmin Cong, Shuhe Zhao, Xian Li, Xiyang Zhuang, Cheng Chen
View ADD <input type="checkbox"/>	Paper Code: MOP.P31.199 Paper Number: 2957
	Title: PERFORMANCE ANALYSIS ON SPC-MAB BASED MULTI-ASPECT DATA ACQUISITION MODE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P31: SAR Imaging Techniques IX
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Wenjie Shen, Yun Lin, Baowen Zheng, Weixian Tan, Wen Hong, Lingjuan Yu

View ADD <input type="checkbox"/>	Paper Code: TH1.L2.1 Paper Number: 2958
	Title: Integrating Spectral and Spatial Information into Deep Convolutional Neural Networks for Hyperspectral Classification
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH1.L2: Neural Network Based Classification
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Shaohui Mei, Jingyu Ji, Qianqian Bi, Junhui Hou, Qian Du, Wei Li
View ADD <input type="checkbox"/>	Paper Code: THP.P42.239 Paper Number: 2959
	Title: A NOVEL APPROACH FOR ANTHROPOGENIC HEAT FLUX ESTIMATION FROM SPACE
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P42: Urban Applications III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Nektarios Chrysoulakis, Wieke Heldens, Jean-Philippe Gastellu-Etchegorry, Sue Grimmond, Christian Feigenwinter, Fredrik Lindberg, Fabio Del Frate, Judith Klostermann, Zina Mitranka, Thomas Esch, Ahmad Albitar, Andrew Gabey, Eberhard Parlow, Frans Olofson
View ADD <input type="checkbox"/>	Paper Code: TH1.L9.5 Paper Number: 2961
	Title: DETECTION OF ENSEMBLES OF ORIENTED CRYSTALLINE PARTICLES IN HIGH-LEVEL CLOUDS AND ESTIMATION OF THEIR MICROSTRUCTURE PARAMETERS BY THE METHOD OF POLARIZATION LASER SENSING
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: TH1.L9: Lidar Technology and Applications
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Ignatii Samokhvalov, Ilia Bryukhanov, Sergey Volkov, Natalia Kustova
View ADD <input type="checkbox"/>	Paper Code: WE3.L8.3 Paper Number: 2963
	Title: A METHOD INTEGRATING GF-1 MULTI-SPECTRAL AND MODIS MULTI-TEMPORAL NDVI DATA FOR FOREST LAND COVER CLASSIFICATION
	Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications
	Session: WE3.L8: Status and Development of China High-Resolution Earth Observation System and Applications I
	Time: Wednesday, July 13, 13:30 - 15:10

	Authors: Zengyuan Li, Xiaohong Li, Erxue Chen, Shiming Li
View ADD <input type="checkbox"/>	Paper Code: TUP.P43.236 Paper Number: 2964
	Title: THE VEGETATION CLASSIFICATION METHOD IN CHINA BASED ON GEOGRAPHICAL DIVISION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P43: Vegetation and Tree Remote Sensing
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xiaobo Luo, Yingying Hao, Bo Zhong
View ADD <input type="checkbox"/>	Paper Code: WE4.L7.4 Paper Number: 2965
	Title: ACCURACIES OF THEORETICAL MODELS FOR ESTIMATING REFLECTION COEFFICIENTS OF ROUGH SEA SURFACES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling
	Session: WE4.L7: Rough Surface Scattering
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Sinmyong Park, Yisok Oh
View ADD <input type="checkbox"/>	Paper Code: TH4.L4.3 Paper Number: 2966
	Title: ASSESSING GLOBAL SATELLITE-BASED SNOW WATER EQUIVALENT DATASETS IN ESA SNOWPEX PROJECT
	Topic: Cryosphere: Snow Cover
	Session: TH4.L4: Snow Cover
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Kari Luojus, Jouni Pulliainen, Juval Cohen, Jaakko Ikonen, Matias Takala, Juha Lemmetyinen, Tuomo Smolander, Chris Derksen, Thomas Nagler, Bojan Bojkov
View ADD <input type="checkbox"/>	Paper Code: WE2.L1.3 Paper Number: 2968
	Title: ASSESSMENT OF NEAR-NADIR CORRELATION CHARACTERISTICS OVER WATER BODIES USING INTERFEROMETRIC SAR: IMPLICATIONS FOR THE SWOT MISSION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: WE2.L1: SAR Interferometry II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Delwyn Moller, Gordon Farquharson, Daniel Esteban-Fernandez

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L12.2 Paper Number: 2970</p> <p>Title: SEA STATE EVENTS IN THE MARGINAL ICE ZONE WITH TERRASAR-X SATELLITE IMAGES</p> <p>Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications</p> <p>Session: TU2.L12: SAR Remote Sensing for Ocean Applications II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Susanne Lehner, Johannes Gemmrich</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P3.13 Paper Number: 2971</p> <p>Title: SIMULATION OF THE POLARIZATION PATTERN OF SKYLIGHT AFFECTED BY MINERAL DUST AEROSOL PARTICLES</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: WEP.P3: Aerosols and Atmospheric Chemistry V</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Li Li, Zhengqiang Li, Yanjun Huang, Jiuchun Yang, Di Yang, Kaitao Li, Donghui Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L12.4 Paper Number: 2972</p> <p>Title: OCEAN DOPPLER ANOMALY AND OCEAN SURFACE CURRENT FROM SENTINEL 1 TOPS MODE</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: WE1.L12: Ocean Waves and Currents</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Harald Johnsen, Vegard Nilsen, Geir Engen, Alexis Mouche, Fabrice Collard</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L12.4 Paper Number: 2973</p> <p>Title: TRIAL OF VOLCANIC ASH DETECTION USING L-BAND SYNTHETIC APERTURE RADAR (SAR)</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: FR3.L12: Marine Pollution and Disasters</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Manabu Watanabe, Masashi Sonobe, Ryo Natsuaki, Shinichi Suzuki</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L9.1 Paper Number: 2974</p> <p>Title: FIRST DELAY DOPPLER MAPS OBTAINED WITH THE MICROWAVE INTERFEROMETRIC REFLECTOMETER (MIR)</p> <p>Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors</p>

	<p>Session: TU2.L9: Remote Sensing using GNSS-like Signals and Other Sensors II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Daniel Pascual, Raúl Onrubia, Jorge Querol, Alberto Alonso-Arroyo, Hyuk Park, Adriano Camps</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P1.2 Paper Number: 2975</p> <p>Title: SENSITIVITY STUDY OF INFRARED DIFFERENCE DUST INDEX BY USING MODTRAN</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: WEP.P1: Aerosols and Atmospheric Chemistry III</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yingying Jing, Peng Zhang, Lin Chen, Jiancheng Shi, Tianxing Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P7.37 Paper Number: 2976</p> <p>Title: Frequency Diverse Array Radar with Non-uniformly Increasing Frequency Offset for Target Range-Angle Estimation Under Jamming</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Bistatic and digital beamforming SAR</p> <p>Session: WEP.P7: Bistatic and Digital Beamforming SAR II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yuxi Wang, Guoce Huang, Wei Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P32.178 Paper Number: 2977</p> <p>Title: REAL-TIME CLOUD DETECTION IN HIGH RESOLUTION IMAGES USING MAXIMUM RESPONSE FILTER AND PRINCIPLE COMPONENT ANALYSIS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P32: Spectral Processing and Applications</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Yihua Tan, Ji Qi, Feifei Ren</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P23.127 Paper Number: 2979</p> <p>Title: MERGED MSG AND EPS Land Surface Albedo PRODUCTS IN THE FRAME OF THE LSA SAF PROJECT: method AND validation OVER EUROPE</p> <p>Topic: Land Applications: Land Use Applications</p> <p>Session: WEP.P23: Land Use Applications</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p>

	Authors: Jean-Louis Roujean, Dominique Carrer, Gregoire Jacob, Xavier Ceamanos, Suman Moparthy
View ADD <input type="checkbox"/>	Paper Code: THP.P27.145 Paper Number: 2981
	Title: TARGET DETECTION WITH SINGLE SURVEILLANCE CHANNEL FOR PBR
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P27: SAR Data Processing and Target Detection
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yuping Zhang, Yunjie Li, Wenjing Li, Yuyu Wei
View ADD <input type="checkbox"/>	Paper Code: TU3.L3.3 Paper Number: 2983
	Title: 3D ROAD SURFACE EXTRACTION FROM MOBILE LASER SCANNING POINT CLOUDS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: TU3.L3: Road and Building Detection
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Dawei Zai, Yulan Guo, Jonathan Li, Huan Luo, Yangbin Lin, Yi Sun, Pengdi Huang, Cheng Wang
View ADD <input type="checkbox"/>	Paper Code: WEP.P28.156 Paper Number: 2984
	Title: THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE COUPLING COEFFICIENT BETWEEN SST AND ENWF
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P28: Ocean Surface Winds II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Hongli Ying, Yunhua Wang, Yanmin Zhang
View ADD <input type="checkbox"/>	Paper Code: TUP.P21.114 Paper Number: 2987
	Title: OPTIMIZED CLASS-SEPARABILITY IN HYPERSPECTRAL IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P21: Feature Extraction and Reduction VI
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Sumera Sattar, Haris Ahmad Khan, Khurram Khurshid
View	Paper Code: THP.P21.111 Paper Number: 2989

ADD <input type="checkbox"/>	<p>Title: A COMPARISION OF MODIS NDVI, NDWI, AND FAPAR FOR CROPLAND DROUGHT ASSESSMENT OVER THE NORTH CHINA PLAIN</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P21: Remote Sensing for Agricultural Hydrology</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Hao Sun, Bingqing Xu, Zhiquan Liu, Zecheng Men, Guochao Lian, Haibin He</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO3.L5.4 Paper Number: 2990</p> <p>Title: FOREST VERTICAL STRUCTURE PARAMETERS EXTRACTION FROM AIRBORNE X-BAND INSAR DATA</p> <p>Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring</p> <p>Session: MO3.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Qi Feng, Erxue Chen, Zengyuan Li, Lan Li, Lei Zhao</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P15.82 Paper Number: 2991</p> <p>Title: REALISTIC 3D-SIMULATION OF LARGE-SCALE FOREST SCENE BASED ON INDIVIDUAL TREE DETECTION</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P15: Forest Monitoring by Radar and Lidar</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jianbo Qi, Donghui Xie, Guangjian Yan</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO4.L10.2 Paper Number: 2992</p> <p>Title: Evaluation of Long-baseline TanDEM-X DEM in Tidal Flat</p> <p>Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities</p> <p>Session: MO4.L10: TanDEM-X: Mission Status and Science Activities II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Changhyun Choi, Duk-Jin Kim</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P27.143 Paper Number: 2996</p> <p>Title: CLUTTER SUPPRESSION FOR HIGH-RESOLUTION WIDE-SWATH SAR SYSTEM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p>

	<p>Session: THP.P27: SAR Data Processing and Target Detection</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Lili Hou, Mingjie Zheng, Hongjun Song, Wei Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P43.273 Paper Number: 2997</p> <p>Title: EFFICIENT RADON FRACTIONAL FOURIER TRANSFORM FOR EFFICIENT MOTION PARAMETERS ESTIMATION IN SAR-GMTI SYSTEM</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P43: Vehicle and Aircraft Detection</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xuepan Zhang, Bo Liu, Zheng Lv, Kai Wang, Zongwu Dai, Lu Liu, Min Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P14.79 Paper Number: 2998</p> <p>Title: RESEARCH ON REEF REMOTE SENSING DETECTION BASED ON GVF SNAKE MODEL—TAKEN YIN LITAN FOR EXAMPLE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P14: Feature Extraction and Detection Algorithm I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Qinpei Sun, Yi Ma, Weifu Sun, Jingyu Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L2.1 Paper Number: 2999</p> <p>Title: INTEGRATION OF 2D AND 3D FEATURES FROM UAV IMAGERY FOR INFORMAL SETTLEMENT CLASSIFICATION USING MULTIPLE KERNEL LEARNING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TU3.L2: Learning Based Image Classification</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Caroline Gevaert, Claudio Persello, Richard Sliuzas, George Vosselman</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P23.130 Paper Number: 3000</p> <p>Title: TEMPORAL-SPATIAL PATTERNS OF LAND USE CHANGE IN COASTAL CHINA FROM 1980'S TO 2010</p> <p>Topic: Land Applications: Land Use Applications</p> <p>Session: WEP.P23: Land Use Applications</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p>

	Authors: Minmin Li, Danny Lo Seen, Zengxiang Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P32.179 Paper Number: 3005
	Title: ON THE OPTIMIZATION OF MEMORY ACCESS TO INCREASE THE PERFORMANCE OF SPATIAL PREPROCESSING TECHNIQUES ON GRAPHICS PROCESSING UNITS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P32: Spectral Processing and Applications
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jaime Delgado, Gabriel Martín, Javier Plaza, Luis Ignacio Jiménez, Antonio Plaza
View ADD <input type="checkbox"/>	Paper Code: TUP.P16.84 Paper Number: 3008
	Title: Multi-Sensor Mars Image Fusion based on IHS Combined Robust PCA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P16: Data Fusion Techniques: Pansharpening and Superresolution
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jiang-Long Wu, Xiao-Lin Tian, Yun-Xiang Tian
View ADD <input type="checkbox"/>	Paper Code: TH2.L10.2 Paper Number: 3009
	Title: A NEW CHANGE DETECTOR IN POLSAR IMAGERY
	Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction
	Session: TH2.L10: Advanced Methods for Polarimetric SAR Information Extraction II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Junjun Yin, Jian Yang
View ADD <input type="checkbox"/>	Paper Code: WEP.P12.66 Paper Number: 3010
	Title: ANALYZING THE INFLUENCE OF ANOMALOUS ATMOSPHERE ON LAND SURFACE TEMPERATURE RETRIEVAL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P12: Estimation and Regression Applications: Land
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Chuan Zhan, Bo-Hui Tang, Hua Wu, Rong-Lin Tang, Zhao-Liang Li

View ADD <input type="checkbox"/>	Paper Code: FR4.L5.4 Paper Number: 3013
	Title: SPATIAL VARIABILITY OF REED BED SPECTRA IN OLKILUOTO ISLAND
	Topic: Land Applications: Wetlands
	Session: FR4.L5: Wetlands and Inland Water
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Jyrki Tuominen, Tarmo Lipping

View ADD <input type="checkbox"/>	Paper Code: FR1.L9.4 Paper Number: 3015
	Title: DESIGN OF A CW-SF GROUND PENETRATING RADAR
	Topic: Invited Sessions: Advanced Ground Penetrating Radar
	Session: FR1.L9: Advanced Ground Penetrating Radar I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Massimiliano Pieraccini, Federico Papi

View ADD <input type="checkbox"/>	Paper Code: WE2.L9.1 Paper Number: 3017
	Title: MONITORING OF SINKING FLUX OF OCEAN PARTICULATE ORGANIC CARBON USING REMOTE SENSING METHODS
	Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies
	Session: WE2.L9: Advances in Bathymetric and Oceanographic Lidar Studies II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Zui Tao, Tingting Lv, Xiang Zhou, Sheng Ma, Xiangbing Kong

View ADD <input type="checkbox"/>	Paper Code: MOP.P20.112 Paper Number: 3019
	Title: SMOS SIMPLIFIED ITERATIVE FULL-POL BRIGHTNESS TEMPERATURE RETRIEVAL
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P20: Microwave Radiometer Calibration and Emerging Techniques
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Israel Durán, Wu Lin, Francesc Torres, Ignasi Corbella, Núria Duffo, Manuel Martín-Neira

View ADD <input type="checkbox"/>	Paper Code: MOP.P24.138 Paper Number: 3020
	Title: FUSION OF INTENSITY/COHERENT INFORMATION USING REGION COVARIANCE FEATURES FOR UNSUPERVISED CLASSIFICATION OF SAR IMAGERY

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P24: Region Based Image Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xiangli Yang, Shangtan Tu, Yu Bai, Wen Yang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L2.3Paper Number: 3022</p> <p>Title: A DEEP LEARNING APPROACH TO THE CLASSIFICATION OF SUB-DECIMETRE RESOLUTION AERIAL IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TU3.L2: Learning Based Image Classification</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: John Ray Bergado, Claudio Persello, Caroline Gevaert</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P26.164Paper Number: 3023</p> <p>Title: SMALL SHIPS DON'T SHINE: CLASSIFICATION OF OCEAN VESSELS FROM LOW RESOLUTION, LARGE SWATH AREA SAR ACQUISITIONS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P26: SAR and Sonar Image Analysis and Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Rory Meyer, Waldo Kleynhans, Colin Peter Schwegmann</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P34.215Paper Number: 3024</p> <p>Title: DETECTION PERFORMANCE OF MOVING TARGET WITH COMPRESSIVE SENSING VIA DUAL-CHANNEL SPACEBORNE SAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P34: SAR Imaging Techniques VII</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Huilin Mu, Yun Zhang, Meng Lian, Yicheng Jiang, Tianyun Yang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L5.5Paper Number: 3027</p> <p>Title: BIOMASS ESTIMATION OF OILSEED RAPE USING SIMULATED COMPACT POLARIMTRIC SAR IMAGERY</p> <p>Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass</p> <p>Session: TH1.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass I</p>

	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Hao Yang, Lei Xie, Erxue Chen, Hong Zhang, Guijun Yang, Zhenhong Li, Xiaohe Gu
View ADD <input type="checkbox"/>	Paper Code: MOP.P23.131 Paper Number: 3028
	Title: VIRTUAL SAR TARGET IMAGE GENERATION AND SIMILARITY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P23: Object Detection and Recognition with SAR Images
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Weibo Huo, Yulin Huang, Jifang Pei, Xiaojia Liu, Jianyu Yang
View ADD <input type="checkbox"/>	Paper Code: WEP.P3.14 Paper Number: 3029
	Title: ESTIMATING AREA COVERED BY HAZE AND FOG IN PAKISTAN AND INDIA DURING WINTERS
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P3: Aerosols and Atmospheric Chemistry V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Badar Ghauri
View ADD <input type="checkbox"/>	Paper Code: TUP.P2.8 Paper Number: 3030
	Title: CLASSIFICATION OF MODIS TIME SERIES WITH DENSE BAG-OF-TEMPORAL-SIFT-WORDS: APPLICATION TO CROPLAND MAPPING IN THE BRAZILIAN AMAZON
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P2: Analysis of Image Time Series
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Adeline Bailly, Damien Arvor, Laetitia Chapel, Romain Tavenard
View ADD <input type="checkbox"/>	Paper Code: TUP.P18.97 Paper Number: 3031
	Title: ANGULAR GLINT SIMULATION BASED ON SCATTERING CENTER MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P18: Electromagnetic Theory III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Qi-Feng Li, Kun-Yi Guo, Xin-Qing Sheng
View	Paper Code: WEP.P37.202 Paper Number: 3032

ADD <input type="checkbox"/>	Title: ASSESSMENT OF DME/TACAN RFI MITIGATION TECHNIQUES IN GNSS-R
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: WEP.P37: Recent Advances in GNSS-R
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Raúl Onrubia, Jorge Querol, Daniel Pascual, Hyuk Park, Alberto Alonso-Arroyo, Adriano Camps

View ADD <input type="checkbox"/>	Paper Code: TUP.P15.76 Paper Number: 3036
	Title: SPATIOTEMPORAL REFLECTANCE FUSION BASED ON LOCATION REGULARIZED SPARSE REPRESENTATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P15: Data Fusion Techniques: Optical Sensors Fusion
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xun Liu, Chenwei Deng, Baojun Zhao

View ADD <input type="checkbox"/>	Paper Code: TH4.L9.2 Paper Number: 3037
	Title: PRELIMINARY RESULTS OF FENIX: FRONT-END GNSS INTERFERENCE EXCISOR
	Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)
	Session: TH4.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Jorge Querol, Eva Maria Julian, Raúl Onrubia, Alberto Alonso-Arroyo, Daniel Pascual, Adriano Camps

View ADD <input type="checkbox"/>	Paper Code: TH2.L12.3 Paper Number: 3038
	Title: A SIMULATION STUDY ON REMOTE SENSING OF QUASI-GAUSSIAN SEA WAVE SLOPES BY THE WAVE SCATTEROMETER SWIM
	Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations
	Session: TH2.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Ping Chen, Danièle Hauser, Qihui Meng, Qiaohua Yin

View ADD <input type="checkbox"/>	Paper Code: THP.P21.113 Paper Number: 3039
	Title: Monitoring leaf area index after heading stage using hyperspectral remote sensing data in rice

	<p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P21: Remote Sensing for Agricultural Hydrology</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Jiaoyang He, Yehui Qin, Caili Guo, Liyun Zhao, Xiang Zhou, Xia Yao, Tao Cheng, Yongchao Tian</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L11.2Paper Number: 3043</p> <p>Title: MONSOON CLOUD OBSERVATIONS USING A LOW POWER VERTICAL LOOKING KA BAND CLOUD RADAR</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: TU2.L11: Clouds and Precipitation II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Arvind Agarwal, J.S Pillai, K. Aurobindo, J.D. Abhyankar, Giridhar Isola, Poornima Srivastava, Abhishek Kodilkar</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L5.2Paper Number: 3044</p> <p>Title: TREE HEIGHT ESTIMATES IN BOREAL FOREST USING GAUSSIAN PROCESS REGRESSION</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: TU4.L5: Forest Monitoring by Lidar and Multispectral Techniques</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Teemu Mutanen, Laura Sirro, Yrjö Rauste</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P16.95Paper Number: 3045</p> <p>Title: VALUATION OF EMPIRICAL RADAR RAINFALL MODEL DURING THE MASSIVE FLOOD IN MALAYSIA</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P16: Floods</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Mohd Nadzri Md Reba, Nurulhani Roslan, Achmad Syafiuddin, Mazlan Hashim</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L2.2Paper Number: 3047</p> <p>Title: UNSUPERVISED CLASSIFIER SELECTION APPROACH FOR HYPERSPECTRAL IMAGE CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TH3.L2: Image Analysis and Classification</p>

	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Bharath Bhushan Damodaran, Nicolas Courty, Sébastien Lefèvre
View ADD <input type="checkbox"/>	Paper Code: FR1.L4.3 Paper Number: 3048
	Title: SENTINEL-1 AND COSMO-SKYMED IMAGE COMPARISON ON ALPINE ENVIRONMENT FOR SNOW FEATURE INVESTIGATION
	Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow
	Session: FR1.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Simonetta Paloscia, Simone Pettinato, Emanuele Santi, Enrico Palchetti
View ADD <input type="checkbox"/>	Paper Code: MOP.P24.139 Paper Number: 3051
	Title: CONVOLUTIONAL NEURAL NETWORK FOR SAR IMAGE CLASSIFICATION AT PATCH LEVEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P24: Region Based Image Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Juanping Zhao, Weiwei Guo, Shiyong Cui, Zenghui Zhang, Wenxian Yu
View ADD <input type="checkbox"/>	Paper Code: TUP.P19.102 Paper Number: 3052
	Title: A METHOD FOR EXTRACTING AMPLITUDE ATTRIBUTE OF SCATTERING CENTERS IN SAR
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P19: Electromagnetic theory: Radar and Optical
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yuexin Gao, Mengdao Xing
View ADD <input type="checkbox"/>	Paper Code: MOP.P42.269 Paper Number: 3053
	Title: IMPROVMENT OF BIOME-BGC MODEL BY INCORPORATION AND DATA ASSIMILATION
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P42: Vegetation Monitoring III
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Min Yan, Xin Tian, Zengyuan Li, Erxue Chen

View ADD <input type="checkbox"/>	Paper Code: TUP.P38.204 Paper Number: 3054
	Title: TRI_TRAINING FOR REMOTE SENSING CLASSIFICATION BASED ON MULTI-SCALE HOMOGENEITY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P38: Remote Sensing Images Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jishuai Zhu, Kun Tan, Qian Du
View ADD <input type="checkbox"/>	Paper Code: THP.P42.240 Paper Number: 3055
	Title: AUTOMATICALLY TEXTURE EXTRACTION, MAPPING AND 3D VISUALIZAITON OF BUILDINGS FACADES BASED ON HIGH RESOLUTION AERIAL PHOTOS
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P42: Urban Applications III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Qingli Luo, Guoqing Zhou
View ADD <input type="checkbox"/>	Paper Code: TUP.P22.120 Paper Number: 3056
	Title: A NOVEL METHOD OF CORNER DETECTOR FOR SAR IMAGES BASED ON BILATERAL FILTER
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P22: Feature Extraction and Reduction VII
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Bingbing Wu, Shilin Zhou, Kefeng Ji
View ADD <input type="checkbox"/>	Paper Code: MO4.L3.1 Paper Number: 3058
	Title: ATTRIBUTE LEARNING FOR SHIP CATEGORY RECOGNITION IN REMOTE SENSING IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MO4.L3: Ship Detection
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Quentin Oliveau, Hichem Sahbi
View ADD <input type="checkbox"/>	Paper Code: THP.P26.137 Paper Number: 3059
	Title: CITRUS GUMMOSIS DISEASE SEVERITY CLASSIFICATION USING PARTICIPATORY SENSING, REMOTE SENSING AND WEATHER DATA
	Topic: Land Applications: Agriculture

	<p>Session: THP.P26: Remote Sensing of Crop Diseases and Nutrients</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Jayantrao Mohite, Bhushan Jagyasi, Sonali Kulkarni, Srinivasu Pappula</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P12.66Paper Number: 3060</p> <p>Title: COMBINING MULTI-CNN FOR VEHICLE DETECTION IN HIGH RESOLUTION GOOGLE EARTH IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P12: Detection with High Resolution Images</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Ziyi Chen, Cheng Wang, Huan Luo, Liujuan Cao, Yiping Chen, Chenglu Wen, Jonathan Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L9.4Paper Number: 3061</p> <p>Title: ANALYSIS OF GULLY EROSION HAZARD USING HIGH RESOLUTION TERRESTRIAL LIDAR</p> <p>Topic: Mission, Sensors and Calibration: Ground based Systems</p> <p>Session: FR3.L9: Ground Based Sensing</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Qiuling Wang, Jun Liu, Lixin Wu, Zhihua Xu, Songtao Fan, An Qian</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P16.91Paper Number: 3062</p> <p>Title: SCENE SEMANTIC CLASSIFICATION BASED ON RANDOM-SCALE STRETCHED CONVOLUTIONAL NEURAL NETWORK FOR HIGH-SPATIAL RESOLUTION REMOTE SENSING IMAGERY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P16: High Resolution Images Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yanfei Liu, Yanfei Zhong, Feng Fei, Liangpei Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L12.5Paper Number: 3064</p> <p>Title: ON THE ASSIMILATION OF ASCAT WINDS</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: TU4.L12: Ocean Surface Winds</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p>

	Authors: Wenming Lin, Giovanna De Chiara, Marcos Portabella, Ad Stoffelen, Jur Vogelzang, Anton Verhoef
View ADD <input type="checkbox"/>	Paper Code: MOP.P2.11 Paper Number: 3066
	Title: EXPLOITING LOCATION INFORMATION TO DETECT LIGHT POLE IN MOBILE LIDAR POINT CLOUDS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P2: Building Features Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Huan Luo, Cheng Wang, Hanyun Wang, Ziyi Chen, Dawei Zai, Shanxin Zhang, Jonathan Li
View ADD <input type="checkbox"/>	Paper Code: TUP.P19.104 Paper Number: 3067
	Title: SCATTERING CENTER MODELLING BASED ON COMPRESSED SENSING PRINCIPLE FROM UNDER-SAMPLING SCATTERING FIELD DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P19: Electromagnetic theory: Radar and Optical
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Qi-Feng Li, Kun-Yi Guo, Bo Tang, Xin-Qing Sheng
View ADD <input type="checkbox"/>	Paper Code: TUP.P42.230 Paper Number: 3069
	Title: TEXTURE FEATURE EXTRACTION OF MOUNTAIN ECONOMIC FOREST USING HIGH SPATIAL RESOLUTION REMOTE SENSING IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P42: Spectral Analysis and Feature Extraction
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Panpan Yang, Zhiting Hou, Xiaolong Liu, Zhengtao Shi
View ADD <input type="checkbox"/>	Paper Code: WEP.P31.171 Paper Number: 3070
	Title: WASTEWATER PLUME DETECTION BASED ON POLSAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P31: Physical Information Extraction in SAR Polarimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Ying Deng, Hong Zhang, Chao Wang, Lei Liu, Meng Liu

View ADD <input type="checkbox"/>	Paper Code: WEP.P18.100 Paper Number: 3071
	Title: Estimation of Gross Primary Productivity OF Four Types of Forest in China
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: WEP.P18: Forests and Vegetation III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Wenwu Fan, Xin Tian, Feilong Ling, Min Yan

View ADD <input type="checkbox"/>	Paper Code: THP.P39.224 Paper Number: 3073
	Title: ESTIMATING DISTRIBUTION OF PRECISION SOLAR RADIATION USING UNMANNED AERIAL VEHICLE
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: THP.P39: UAV Systems and Sensors
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jin Ki Park, Amrita Das, Jong Hwa Park

View ADD <input type="checkbox"/>	Paper Code: MOP.P34.216 Paper Number: 3075
	Title: RIGOROUSLY GEOMETRIC CORRECTION FOR AIR-BORNE SAR IAMGES BASED ON AFFINE TRANSFORMATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P34: SAR Imaging Techniques VII
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Bo Zhang, Chao Wang, Hong Zhang, Fan Wu, Jinxing Chen

View ADD <input type="checkbox"/>	Paper Code: TH1.L3.3 Paper Number: 3076
	Title: MONITORING FUNCTIONAL TRAITS OF ALPINE VEGETATION ON THE TIBET PLATEAU USING MULTI-SENSOR REMOTE SENSING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH1.L3: Multitemporal VHR Images Analysis
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Chengxiu Li, Hendrik Wulf, Irene Garonna, Michael Schaepman

View ADD <input type="checkbox"/>	Paper Code: TUP.P43.239 Paper Number: 3077
	Title: SEISMIC VELOCITY PICKING BY HOPFIELD NEURAL NETWORK
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P43: Vegetation and Tree Remote Sensing

	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Kou-Yuan Huang, Jia-Rong Yang
View ADD <input type="checkbox"/>	Paper Code: MOP.P22.124 Paper Number: 3078
	Title: COASTAL WETLAND CLASSIFICATION BASED ON HIGH RESOLUTION SAR AND OPTICAL IMAGE FUSION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P22: Multi-source Images Fusion and Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Junfang Yang, Guangbo Ren, Yi Ma, Yanguo Fan
View ADD <input type="checkbox"/>	Paper Code: WE3.L6.5 Paper Number: 3080
	Title: THE OGC® DISCRETE GLOBAL GRID SYSTEM CORE STANDARD: A FRAMEWORK FOR RAPID GEOSPATIAL INTEGRATION
	Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems
	Session: WE3.L6: Advancing Interoperability for Geoscience Information Systems I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Matthew Purss, Robert Gibb, Faramarz Samavati, Perry Peterson, Jin Ben
View ADD <input type="checkbox"/>	Paper Code: WEP.P44.242 Paper Number: 3081
	Title: POLARIMETRIC SAR IMAGE CLASSIFICATION BASED ON SELECTIVE ENSEMBLE LEARNING OF SPARSE REPRESENTATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P44: Theoretical Aspects of SAR Polarimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Cuijuan Han, Lamei Zhang, Xiao Wang
View ADD <input type="checkbox"/>	Paper Code: TH1.L9.2 Paper Number: 3082
	Title: A NEW APPROACH TO MINIMIZE BORDER EFFECT FOR TERRESTRIAL LASER SCANNING
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: TH1.L9: Lidar Technology and Applications
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Fabrício Galhardo Müller, Luiz Gonzaga Jr., Fabiane Bordin, Mauricio Roberto Veronez, Marco Scaioni

View ADD <input type="checkbox"/>	Paper Code: THP.P14.78 Paper Number: 3084
	Title: SIMULATION OF THE HYPERSPECTRAL DATA USING MULTISPECTRAL DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P14: Hyperspectral Data Processing and Analysis
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Varun Tiwari, Vinay Kumar, Kamal Pandey, Rigved Ranade, Shefali Agrawal
View ADD <input type="checkbox"/>	Paper Code: FR1.L2.1 Paper Number: 3086
	Title: CRF LEARNING WITH CNN FEATURES FOR HYPERSPECTRAL IMAGE SEGMENTATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation
	Session: FR1.L2: Image Segmentation
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Fahim Alam, Jun Zhou, Alan Liew, Xiuping Jia
View ADD <input type="checkbox"/>	Paper Code: MOP.P16.90 Paper Number: 3097
	Title: HIGH RESOLUTION REMOTE SENSING CLASSIFICATION OF CORAL REEF SUBSTRATE, BASE ON SVM—TAKEN XISHA ZHAOSHU ISLAND AS AN EXAMPLE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P16: High Resolution Images Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Guoqiang Yang, Yi Ma, Guangbo Ren, Yuhai Bao
View ADD <input type="checkbox"/>	Paper Code: WE1.L1.3 Paper Number: 3098
	Title: PROPOSAL OF SINGULAR-POINT-REMOVING FILTERS WITH STRONG NONLINEARITY IN SPECTRAL DOMAIN
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: WE1.L1: SAR Interferometry I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Kazuhide Ichikawa, Akira Hirose
View ADD <input type="checkbox"/>	Paper Code: FR1.L2.4 Paper Number: 3099
	Title: A TILING PROCEDURE FOR SECOND-ORDER VARIATIONAL SEGMENTATION OF LARGE SIZE REMOTE SENSING IMAGES

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation</p> <p>Session: FR1.L2: Image Segmentation</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Massimo Zanetti, Riccardo Zanella, Lorenzo Bruzzone</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L1.1Paper Number: 3101</p> <p>Title: A NOVEL IMAGING METHOD FOR AIRBORNE DOWNWARD-LOOKING 3D MIMO-SAR BASED ON COMPRESSED SENSING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH3.L1: SAR Imaging Techniques V</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Tao-yong Li, Qun Zhang, Kai Wang, Fu-fei Gu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L1.4Paper Number: 3103</p> <p>Title: IMPROVED DBF ALGORITHM FOR MULTICHANNEL SAR WITH HIGHLY NONUNIFORM SAMPLING</p> <p>Topic: Invited Sessions: Advances on Spaceborne SAR Imaging</p> <p>Session: TU2.L1: Advances on Spaceborne SAR Imaging II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Na Liu, Robert Wang, Shuo Zhao, Xiangyu Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L12.1Paper Number: 3105</p> <p>Title: THE NEXT GENERATION GNOS INSTRUMENT FOR FY-3 METEOROLOGICAL SATELLITES</p> <p>Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites</p> <p>Session: MO3.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Qifei Du, Yueqiang Sun, Weihua Bai, Xianyi Wang, Dongwei Wang, Xiangguang Meng, Yuerong Cai, Congliang Liu, Di Wu, Chunjun Wu, Wei Li, Junming Xia, Cheng Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L8.1Paper Number: 3106</p> <p>Title: FIRST STUDY ON HOLOGRAPHIC SAR TOMOGRAPHY OVER AGRICULTURAL CROPS AT C-/X-BAND</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping</p> <p>Session: FR4.L8: Tomography and 3D Mapping</p>

	Time: Friday, July 15, 15:40 - 17:20
	Authors: Octavio Ponce, Hannah Joerg, Rolf Scheiber, Pau Prats-Iraola, Irena Hajnsek, Andreas Reigber
View ADD <input type="checkbox"/>	Paper Code: MO4.L5.2 Paper Number: 3107
	Title: FEATURE BASED DECISION METHODOLOGY FOR VEGETATION CLASSIFICATION
	Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring
	Session: MO4.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Wen Hong, Luyi Shao, Qiang Yin, Yang Li, Shenglong Guo, Pingping Huang
View ADD <input type="checkbox"/>	Paper Code: TUP.P18.98 Paper Number: 3108
	Title: ELECTROMAGNETIC WAVE PROPAGATION IN WEAK MAGNETIC FIELD WATER ENVIRONMENT
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling
	Session: TUP.P18: Electromagnetic Theory III
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Hai-Yuan Qi, Li-Xin Guo, You-Rong Liang
View ADD <input type="checkbox"/>	Paper Code: MOP.P33.209 Paper Number: 3109
	Title: ONE-STEP MOTION COMPENSATION ALGORITHM FOR SQUINTED SAR
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P33: SAR Imaging Techniques VI
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Angel Ribalta
View ADD <input type="checkbox"/>	Paper Code: WEP.P3.17 Paper Number: 3110
	Title: INVESTIGATING METEOROLOGICAL AND GEOGRAPHICAL EFFECT IN REMOTE SENSING RETRIVAL OF PM2.5 CONCENTRATION IN YANGTZE RIVER DELTA
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P3: Aerosols and Atmospheric Chemistry V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Man Jiang, Sun Weiwei

View ADD <input type="checkbox"/>	Paper Code: WE4.L4.2 Paper Number: 3111
	Title: QUALITY ASSESSMENT OF EXISTING ANTARCTIC REMOTE SENSING PRODUCTS
	Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks
	Session: WE4.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Rongxing Li, Yixiang Tian, Tiantian Feng, Huan Xie, Yang Xu, Haifeng Xiao, Hexia Weng, Da Lv, Xiaohua Tong
View ADD <input type="checkbox"/>	Paper Code: MO4.L2.1 Paper Number: 3116
	Title: A DATA MINING APPROACH FOR MULTIVARIATE OUTLIER DETECTION IN HETEROGENEOUS 2D POINT CLOUDS: AN APPLICATION TO POST-PROCESSING OF MULTI-TEMPORAL INSAR RESULTS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: MO4.L2: SAR Image Feature Extraction and Filtering
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Matus Bakon, Irene Oliveira, Daniele Perissin, Joaquim Sousa, Juraj Papco
View ADD <input type="checkbox"/>	Paper Code: WEP.P30.163 Paper Number: 3117
	Title: THE INVERSION OF THE NON-GAUSSIAN SLOPES PROBABILITY DENSITY FUNCTION OF THE OCEAN WAVES BY KURO RADAR MEASUREMENTS
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P30: Ocean Waves and Currents
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Liye Wang, Danièle Hauser, Ping Chen
View ADD <input type="checkbox"/>	Paper Code: TUP.P17.91 Paper Number: 3119
	Title: A MODIFIED CLASS-SPECIFIC WEIGHTED SOFT VOTING FOR BAGGING ENSEMBLE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P17: Deep, Semi-supervised, and Ensemble Learning for Image Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Laxmi Eeti, Krishna Mohan Buddhiraju

View ADD <input type="checkbox"/>	Paper Code: WEP.P29.158 Paper Number: 3123
	Title: CHARACTERISTICS OF SATELLITE-OBSERVED SEA SURFACE SALINITY ERRORS IN THE NORTHWEST PACIFIC OCEAN AND OCEANIC RESPONSES TO TYPHOONS
	Topic: Oceans: Ocean Temperature and Salinity
	Session: WEP.P29: Ocean Temperature and Salinity
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jae-Jin Park, Kyung-Ae Park, Jae-Cheol Jang
View ADD <input type="checkbox"/>	Paper Code: TUP.P25.133 Paper Number: 3126
	Title: SPECTRAL-SPATIAL CLASSIFICATION BASED ON SUBSPACE SUPPORT VECTOR MACHINE AND MARKOV RANDOM FIELD
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P25: Image Analysis and Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Haoyang Yu, Lianru Gao, Jun Li, Bing Zhang
View ADD <input type="checkbox"/>	Paper Code: WEP.P25.140 Paper Number: 3128
	Title: LONG-TERM VALIDATION OF THE SIGNIFICANT WAVE HEIGHT PRODUCT OF HY-2 ALTIMETER
	Topic: Oceans: Ocean Altimetry
	Session: WEP.P25: Ocean Altimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Chuntao Chen, Yili Zhao, Jianhua Zhu, Xiaoqi Huang, He Wang, Wanlin Zhai, Hailong Peng
View ADD <input type="checkbox"/>	Paper Code: THP.P25.132 Paper Number: 3130
	Title: EXTRACTION OF REMOTE SENSING ALTERATION FOR GOLD ORE IN XIADIAN, SHANDONG PROVINCE, CHINA
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P25: Remote Sensing in Mining
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Haifeng Ding, Linhai Jing, Hui Li, Yunwei Tang, Qingjie Liu, Yu Chen
View ADD <input type="checkbox"/>	Paper Code: WEP.P38.213 Paper Number: 3132
	Title: NEW ICE FORMATION IN THE OKHOTSK SEA AND THE JAPAN SEA FROM C- AND L-BAND SATELLITE SARS
	Topic: Cryosphere: Sea Ice
	Session: WEP.P38: Sea Ice I

	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Leonid Mitnik, Vyacheslav Dubina, Elena Khazanova
View ADD <input type="checkbox"/>	Paper Code: WE2.L3.3 Paper Number: 3133
	Title: A GENERALIZED STATISTICAL MODEL FOR BINARY CHANGE DETECTION IN MULTISPECTRAL IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE2.L3: Change Detection in Optical Images
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Massimo Zanetti, Lorenzo Bruzzone
View ADD <input type="checkbox"/>	Paper Code: TH2.L6.5 Paper Number: 3134
	Title: MICROWAVE THERMMAL EMISSION FEATURES OF MARE ORIENTALE REVEALED BY CELMS DATA
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: TH2.L6: Surface Hazards and Anomalies
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Zhiguo Meng, Jidong Zhang, Zesheng Tang, Jinsong Ping, Zhanchuan Cai
View ADD <input type="checkbox"/>	Paper Code: WE4.L8.3 Paper Number: 3136
	Title: FOREST COVER CHANGE DETECTION METHOD USING BI-TEMPORAL GF-1 MULTI-SPECTRAL DATA
	Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications
	Session: WE4.L8: Status and Development of China High-Resolution Earth Observation System and Applications II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Rongxin Hao, Erxue Chen, Zengyuan Li
View ADD <input type="checkbox"/>	Paper Code: FR1.L11.1 Paper Number: 3137
	Title: NEAR-REAL TIME SIMULATION AND GEO-VISUALIZATION OF FLOODING IN THE PHILIPPINES' DEEPEST LAKE
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR1.L11: Floods
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Jojene Santillan, Meriam Makinano-Santillan, Arthur Amora, Edsel Matt Morales, Linbert Cutamora, Lorie Cris Asube

View ADD <input type="checkbox"/>	Paper Code: WEP.P37.205 Paper Number: 3140
	Title: TSUNAMI DETECTION BASED ON NOISY SEA SURFACE HEIGHT MEASUREMENT
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: WEP.P37: Recent Advances in GNSS-R
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Kegen Yu
View ADD <input type="checkbox"/>	Paper Code: TUP.P30.159 Paper Number: 3141
	Title: MODIFIED STATISTICALLY HOMOGENEOUS PIXEL SELECTION FOR COHERENCE ESTIMATION WITH MULTI-TEMPORAL INSAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P30: Multitemporal InSAR Analysis
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yingjie Wang, Yunkai Deng, Robert Wang, Wenbo Fei, Huina Song, Jili Wang
View ADD <input type="checkbox"/>	Paper Code: THP.P14.75 Paper Number: 3143
	Title: CLASSIFICATION AND CLUSTERING PERSPECTIVE TOWARDS SPECTRAL UNMXING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P14: Hyperspectral Data Processing and Analysis
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Arun P V, Krishna Mohan Buddhiraju
View ADD <input type="checkbox"/>	Paper Code: THP.P6.28 Paper Number: 3144
	Title: SURFACE DEFORMATION MONITORING USING TIME SERIES TERRASAR-X IMAGES OVER PERMAFROST OF QINGHAI-TIBET PLATEAU, CHINA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P6: Differential SAR Interferometry II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Zhengjia Zhang, Chao Wang, Yixian Tang, Hong Zhang
View ADD <input type="checkbox"/>	Paper Code: TUP.P24.129 Paper Number: 3145
	Title: HYPERSPECTRAL IMAGES BAND SELECTION USING MULTI-DICTIONARY BASED SPARSE REPRESENTATION

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P24: Hyperspectral Imagery Band Selection Dimensionality Reduction</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Fei Li, Huchuan Lu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L9.2Paper Number: 3146</p> <p>Title: SIGNAL PROCESSING FOR LANDMINE DETECTION USING GROUND PENETRATING RADAR</p> <p>Topic: Invited Sessions: Advanced Ground Penetrating Radar</p> <p>Session: FR2.L9: Advanced Ground Penetrating Radar II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Iraklis Giannakis, Shengzhi Xu, Pascal Aubry, Alexander Yarovoy, Jacopo Sala</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P3.10Paper Number: 3148</p> <p>Title: BIG DATA PROCESSING USING HPC FOR REMOTE SENSING DISASTER DATA</p> <p>Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience</p> <p>Session: THP.P3: Big Data in Geoscience</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Ujwala Bhangale, Kuldeep Kurte, Surya Durbha, Roger King, Nicolas Younan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L11.2Paper Number: 3149</p> <p>Title: ACCELERATING BIG DATA PROCESSING CHAIN IN IMAGE INFORMATION MINING USING A HYBRID HPC APPROACH</p> <p>Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience</p> <p>Session: FR2.L11: Big Data in Geoscience</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Kuldeep Kurte, Ujwala Bhangale, Surya Durbha, Roger King, Nicolas Younan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L2.1Paper Number: 3150</p> <p>Title: QUAD-TREE BASED COMPRESSED HISTOGRAM ATTRIBUTE PROFILES FOR CLASSIFICATION OF VERY HIGH RESOLUTION IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p>

Session: WE4.L2: High Resolution Image Classification
Time: Wednesday, July 13, 15:40 - 17:20
Authors: Romano Battiti, Begüm Demir, Lorenzo Bruzzone

View ADD <input type="checkbox"/>	Paper Code: WEP.P18.101 Paper Number: 3151
	Title: UNCERTAINTY ANALYSIS OF FOREST ABOVE-GROUND BIOMASS INCREMENTS IN SOUTHERN QILIAN MOUNTAINS
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: WEP.P18: Forests and Vegetation III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zongtao Han, Xin Tian, Hong Jiang, Feilong Ling, Min Yan

View ADD <input type="checkbox"/>	Paper Code: TU3.L1.4 Paper Number: 3152
	Title: POINT-TARGET FREE PHASE CALIBRATION OF INSAR DATA STACK
	Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques
	Session: TU3.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques I
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Stefano Tebaldini, Fabio Rocca, Mauro Mariotti d'Alessandro, Laurent Ferro-Famil

View ADD <input type="checkbox"/>	Paper Code: WE3.L10.3 Paper Number: 3154
	Title: SCIENTIFIC EXPLOITATION OF SENTINEL-1 WITHIN ESA'S SEOM PROGRAMME ELEMENT
	Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results
	Session: WE3.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Yves-Louis Desnos, Michael Fomelis, Marcus Engdahl, Pierre-Philippe Mathieu, Francesco Palazzo, Fabrizio Ramoino, Andy Zmuda

View ADD <input type="checkbox"/>	Paper Code: THP.P3.13 Paper Number: 3157
	Title: VISUAL DATA MINING FOR FEATURE SPACE EXPLORATION USING IN-SITU DATA
	Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience
	Session: THP.P3: Big Data in Geoscience
	Time: Thursday, July 14, 17:20 - 19:00

	Authors: Daniela Espinoza-Molina, Kevin Alonso, Mihai Datcu
View ADD <input type="checkbox"/>	Paper Code: MOP.P23.132 Paper Number: 3158
	Title: CLOUD DETECTION OF SPACEBORNE HYPERSPECTRAL IMAGERY BASED ON SPARSE SUPPORT VECTOR MACHINE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P23: Object Detection and Recognition with SAR Images
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Lei Ma, Bitao Jiang, Xinwei Jiang, Jianzhong Liu
View ADD <input type="checkbox"/>	Paper Code: TH2.L3.5 Paper Number: 3159
	Title: TRANSFORMING THE AUTOCORRELATION FUNCTION OF A TIME SERIES TO DETECT LAND COVER CHANGE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH2.L3: Analysis of Image Time Series: Optical Sensors II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Brian Salmon, Waldo Kleynhans, Jan Olivier, Colin Peter Schwegmann
View ADD <input type="checkbox"/>	Paper Code: THP.P6.29 Paper Number: 3160
	Title: PHASE ESTIMATION OF DISTRIBUTED SCATTERER FOR HIGH RESOLUTION DATA STACKS IN NONURBAN AREAS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P6: Differential SAR Interferometry II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Huina Song, Yingfei Sun, Robert Wang, Wenbo Fei, Yingjie Wang, Jili Wang
View ADD <input type="checkbox"/>	Paper Code: FR2.L8.5 Paper Number: 3162
	Title: NUMERICAL AND EXPERIMENTAL EVALUATION OF POLARIMETRIC CALIBRATION USING HYBIRD CORNER REFLECTORS
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: FR2.L8: Radar Remote Sensing Missions
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Suyun Wang, Kun-Shan Chen
View	Paper Code: TUP.P10.53 Paper Number: 3164

ADD <input type="checkbox"/>	<p>Title: BATHYMETRY RETRIEVAL USING VERY HIGH RESOLUTION REMOTE SENSING IMAGERY OF CANARY ISLANDS LITTORAL ZONES</p> <p>Topic: Oceans: Coastal Zones</p> <p>Session: TUP.P10: Coastal Zones I</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Francisco Eugenio, Javier Marcello, Javier Martin</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P38.238 Paper Number: 3165</p> <p>Title: URBAN ROAD NETWORK EXTRACTION FROM IKONOS IMAGERY BASED ON MULTI-RESOLUTION ANALYSIS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P38: Urban Targets and Roads</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xuewen Wu, Hanqiu Xu, Hui Li</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P35.222 Paper Number: 3166</p> <p>Title: Optimizing Planar Array In MIMO-SAR Radar Using Genetic Algorithm</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P35: SAR Imaging Techniques VIII</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Ya-Nan Duan, Xiao-Ling Zhang, Shun-Jun Wei, Xiao-Tian Fan</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE2.L10.1 Paper Number: 3168</p> <p>Title: OIL PLATFORMS IN CASPIAN SEA AS STABLE DISTRIBUTED RADAR SCATTERERS FOR PALSAR CALIBRATION</p> <p>Topic: Invited Sessions: ALOS-2</p> <p>Session: WE2.L10: ALOS-2 II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Alexander Zakharov, Ludmila Zakharova, Mark Sorochinsky, Tumen Chimitdorzhiev</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P35.197 Paper Number: 3171</p> <p>Title: DESIGN AND TESTING OF A PSEUDO RANDOM CODED GPR FOR DEEP INVESTIGATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar</p> <p>Session: THP.P35: Subsurface Sensing</p>

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Qunying Zhang, Shengbo Ye, Guangyou Fang, Zhaofa Zeng
View ADD <input type="checkbox"/>	Paper Code: MOP.P33.208 Paper Number: 3173
	Title: CLASSIFICATION OF POLSAR IMAGE WITH NON-NEGATIVE TENSOR FACTORIZATION APPROACH
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P33: SAR Imaging Techniques VI
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Shuiping Gou, Wenshuai Chen, Yizhou Liu, Pengcheng Li, Licheng Jiao
View ADD <input type="checkbox"/>	Paper Code: TU4.L7.5 Paper Number: 3174
	Title: Polarimetric Simulations of Bistatic Scattering from Sea Surfaces with 5m/s Wind Speed at L Band
	Topic: Invited Sessions: Physical Models in Microwave Remote Sensing
	Session: TU4.L7: Physical Models in Microwave Remote Sensing II
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Jingsong Yang, Yang Du, Jiancheng Shi, Dejun Li
View ADD <input type="checkbox"/>	Paper Code: THP.P19.102 Paper Number: 3176
	Title: THE POTENTIAL FOR EXCLUSIVELY USING MULTI-SOURCE REMOTELY SENSED DATA IN DISTRIBUTED HYDROLOGICAL MODEL TO SIMULATE RUNOFF IN MESOSCALE CATCHMENT
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: THP.P19: Interdisciplinary Topics I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Haigen Zhao, Jingdong Wu, Zhihan Ye, Xiaojing Hu, Wanlai Xue
View ADD <input type="checkbox"/>	Paper Code: WEP.P20.113 Paper Number: 3178
	Title: HOME RANGES AND MOVEMENTS OF ARGALI (OVIS AMMONAMMON) IN KHUKH SERKH, MONGOLIA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science
	Session: WEP.P20: Geographic Information Science II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Sukh Amgalanbaatar, Barry Rosenbaum, Batzorig Erdenee, D Buyanjargal

View ADD <input type="checkbox"/>	Paper Code: TH1.L2.4 Paper Number: 3179
	Title: HYPERSPECTRAL IMAGE CLASSIFICATION USING TWO-CHANNEL DEEP CONVOLUTIONAL NEURAL NETWORK
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH1.L2: Neural Network Based Classification
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Jingxiang Yang, Yongqiang Zhao, Jonathan Cheung-Wai Chan, Chen Yi
View ADD <input type="checkbox"/>	Paper Code: THP.P18.96 Paper Number: 3180
	Title: A RESEARCH ON TERRESTRIAL WATER STORAGE VARIATIONS WITH GRACE SATELLITE DATA IN THE JING-JIN-JI REGION
	Topic: Land Applications: Inland Waters
	Session: THP.P18: Inland Waters
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Le Li, Lajiao Chen, Lizhe Wang
View ADD <input type="checkbox"/>	Paper Code: WE2.L5.1 Paper Number: 3182
	Title: DERIVATION OF RICE CLUMPING INDEX FROM TIME SERIES MISR AND MODIS DIRECTIONAL REFLECTANCE DATA
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: WE2.L5: Vegetation Monitoring by Optical Instruments II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Shanshan Wei, Hongliang Fang
View ADD <input type="checkbox"/>	Paper Code: WE4.L10.2 Paper Number: 3183
	Title: SENTINEL-1 TOPS INTERFEROMETRIC TIME SERIES RESULTS AND VALIDATION
	Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results
	Session: WE4.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Pau Prats-Iraola, Matteo Nannini, Nestor Yague-Martinez, Rolf Scheiber, Federico Minati, Francesco Vecchioli, Mario Costantini, Sven Borgstrom, Prospero De Martino, Valeria Siniscalchi, Thomas Walter, Mehdi Nikkhoo, Michael Foumelis, Yves-Louis Desnos

View ADD <input type="checkbox"/>	Paper Code: TH1.L10.5 Paper Number: 3184
	Title: DEVELOPMENT OF CIRCULARLY POLARIZED SYNTHETIC APERTURE RADAR FOR AIRCRAFT AND MICROSATELLITE
	Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction
	Session: TH1.L10: Advanced Methods for Polarimetric SAR Information Extraction I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Josaphat Tetuko Sri Sumantyo, Nobuyoshi Imura
View ADD <input type="checkbox"/>	Paper Code: TH1.L6.3 Paper Number: 3185
	Title: VERTICAL ACCURACY ASSESSMENT OF ALOS WORLD 3D – 30M DIGITAL ELEVATION MODEL OVER NORTHEASTERN MINDANAO, PHILIPPINES
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: TH1.L6: Digital Terrain Models
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Jojene Santillan, Meriam Makinano-Santillan, Ronald Makinano
View ADD <input type="checkbox"/>	Paper Code: TH3.L3.4 Paper Number: 3186
	Title: REMOTE SENSING OF VEGETATION FRACTION FOR MONITORING RECLAMATION DYNAMICS: A CASE STUDY IN PINGSHUO MINING AREA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH3.L3: Change Detection Applications
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Yao Zhang, Wei Zhou
View ADD <input type="checkbox"/>	Paper Code: TH2.L2.2 Paper Number: 3187
	Title: HOW USEFUL IS REGION-BASED CLASSIFICATION OF REMOTE SENSING IMAGES IN A DEEP LEARNING FRAMEWORK ?
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH2.L2: Region Based Image Classification
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Nicolas Audebert, Bertrand Le Saux, Sébastien Lefèvre
View ADD <input type="checkbox"/>	Paper Code: WEP.P17.99 Paper Number: 3188
	Title: SEMANTIC PRE-CLASSIFICATION OF VEGETATION GRADIENT BASED ON LINEARLY UNMIXED LANDSAT TIME SERIES

	<p>Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle</p> <p>Session: WEP.P17: Forests and Vegetation II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Damien Arvor, Bill Donatien Loubelo Madiela, Thomas Corpetti</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L6.4 Paper Number: 3189</p> <p>Title: AN IMPROVED DARK-PIXEL SUBTRACTION METHOD AND ITS APPLICATION IN A PANSHARPENING METHOD TAKING INTO ACCOUT HAZE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR4.L6: Super-resolution</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Hui Li, Linhai Jing, Zhongchang Sun, Liming Wang, Qi Yan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P17.95 Paper Number: 3191</p> <p>Title: SPARSE GRAPH REGULARIZATION FOR ROBUST CROP MAPPING USING HYPERSPECTRAL REMOTELY SENSED IMAGERY: A CASE STUDY IN HEIHE, ZHANGYE OASIS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P17: Land Cover Mapping</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Zhaohui Xue, Hongjun Su, Peijun Du</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P29.184 Paper Number: 3193</p> <p>Title: SYNTHETIC APERTURE RADAR AUTOFOCUS BASED ON CROSS RELATION APPROACH</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P29: SAR Imaging Techniques III</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yin-wei Li, Qing Peng, Ming-Li Zhang, Cheng-long Jiang, Lifu Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P40.219 Paper Number: 3194</p> <p>Title: ESTIMATING GROUNDWATER NUTRIENTS USING HYPERSPECTRAL SATELLITE IMAGERY IN THE FLEMISH MEUSE-VALLEY</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P40: Soil Properties I</p>

	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Cornelis Stal, Philippe De Maeyer, An De Schrijver, Mieke Paelinck, Rudi Goossens, Alain De Wulf
View ADD <input type="checkbox"/>	Paper Code: WEP.P8.47 Paper Number: 3195
	Title: EXPERIMENTAL STUDY ON THERMAL INFRARED RADIATION VARIATION OF LOADED SANDSTONE IN THE COLD SKY BACKGROUND
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P8: Disaster Assessment
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jianwei Huang, Shanjun Liu, Tianzi Li, Liang Song, Qiang Ni
View ADD <input type="checkbox"/>	Paper Code: WEP.P18.102 Paper Number: 3196
	Title: VERTICAL CANOPY COVER RETRIEVAL FOR GREATER KHINGAN FOREST BASED ON A GEOMETRIC-OPTICAL MODEL USING LANDSAT DATA
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: WEP.P18: Forests and Vegetation III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Chengyan Gu, Xin Tian, Zengyuan Li
View ADD <input type="checkbox"/>	Paper Code: FR3.L8.5 Paper Number: 3197
	Title: TESTING AND INTEGRATION OF JPSS VIIRS AEROSOL EDR ALGORITHMS AND EVALUATION OF UPSTREAM/DOWNSTREAM EFFECTS USING THE ALGORITHM DEVELOPMENT LIBRARY (ADL)
	Topic: Mission, Sensors and Calibration: Satellite Missions
	Session: FR3.L8: Satellite Missions
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Bigyani Das, Weizhong Chen, Qiang Zhao, Walter Wolf, Jingfeng Huang, Hai Zhang, Istvan Laszlo
View ADD <input type="checkbox"/>	Paper Code: WE4.L3.1 Paper Number: 3198
	Title: CONTINUOUS ANOMALY DETECTION IN SATELLITE IMAGE TIME SERIES BASED ON Z-SCORES OF SEASON-TREND MODEL RESIDUALS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE4.L3: Analysis of Image Time Series: Optical Sensors I
	Time: Wednesday, July 13, 15:40 - 17:20

	Authors: Zeng-Guang Zhou, Ping Tang
View ADD <input type="checkbox"/>	Paper Code: FR3.L5.2 Paper Number: 3200
	Title: ESTIMATION OF CROP YIELD IN REGIONS WITH MIXED CROPS USING DIFFERENT CROPLAND MASKS AND TIME-SERIES MODIS DATA
	Topic: Land Applications: Agriculture
	Session: FR3.L5: Remote Sensing for Crop Water and Yield Estimation
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Jianguo Liu, Ted Huffman, Jiali Shang, Budong Qian, Taifeng Dong, Yinsuo Zhang, Qi Jing
View ADD <input type="checkbox"/>	Paper Code: THP.P34.190 Paper Number: 3202
	Title: SUBSPACE MATCHING PURSUIT WITH DICE COEFFICIENT FOR SPARSE UNMIXING OF HYPERSPECTRAL DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P34: Spectral Unmixing Techniques II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Dan Li, Chunmei Zhang, Qianqi Zhou, Junyan Wang, Guodong Xu
View ADD <input type="checkbox"/>	Paper Code: FR4.L2.1 Paper Number: 3203
	Title: A Universal Remote Sensing Image Quality Improvement Method with Deep Learning
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: FR4.L2: Image Denoising and Compression
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Yancong Wei, Qiangqiang Yuan, Huanfeng Shen, Liangpei Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P25.134 Paper Number: 3204
	Title: ALTERATION MINERALS MAPPING IN THE WEST KUNLUN MOUNTAINS USING ASTER AND HYPERION IMAGERY
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P25: Remote Sensing in Mining
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Wenyan Ge, Linhai Jing, Qiuming Cheng, Xuefei Guo, Haifeng Ding, Yu Chen, Qingjie Liu, Liming Wang, Kongwen Zhang

View ADD <input type="checkbox"/>	Paper Code: TUP.P37.200 Paper Number: 3205
	Title: MONITORING PERMAFROST SOIL MOISTURE WITH MULTI-TEMPORAL TERRASAR-X DATA IN NORTHERN TIBET
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P37: Radar Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Chao Wang, Hong Zhang, Qingbai Wu, Zhengjia Zhang, Lei Xie
View ADD <input type="checkbox"/>	Paper Code: MOP.P1.2 Paper Number: 3206
	Title: EXPERIMENTAL STUDY OF AN L-BAND SYNTHETIC APERTURE RADIOMETER FOR OCEAN SALINITY MEASUREMENT
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P1: Aperture Synthesis Radiometry
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Lijie Niu, Hao Liu, Lin Wu, Ji Wu
View ADD <input type="checkbox"/>	Paper Code: MO3.L7.3 Paper Number: 3207
	Title: GLOBAL LAND SURFACE EVAPOTRANSPIRATION ESTIMATION FROM METEOROLOGICAL AND SATELLITE DATA USING THE SUPPORT VECTOR MACHINE
	Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration
	Session: MO3.L7: Remote Sensing of Land Surface Evapotranspiration I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Meng Liu, Rong-Lin Tang, Zhao-Liang Li, Yunjun Yao, Guangjian Yan
View ADD <input type="checkbox"/>	Paper Code: FR4.L4.4 Paper Number: 3208
	Title: AN IMPROVED METHOD OF USING ICESAT ALTIMETRY DATA TO EXTRACT TIBETAN PLATEAU GLACIER THICKNESS CHANGE RATE
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: FR4.L4: Ice Sheets and Glaciers II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Tianjin Huang, Li Jia, Jing Lu, Jie Zhou
View ADD <input type="checkbox"/>	Paper Code: WEP.P21.116 Paper Number: 3210
	Title: MAPPING AND MONITORING FIRE WITH MULTI-SCALE SATELLITE DATA

	<p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: WEP.P21: Hazards and Disasters</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yang-Sheng Chiang, Hsuan Ren</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L3.5Paper Number: 3211</p> <p>Title: BATTLE DAMAGE ASSESSMENT BASED ON SELF-SIMILARITY AND CONTEXTUAL MODELING OF BUILDINGS IN DENSE URBAN AREAS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TH1.L3: Multitemporal VHR Images Analysis</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Fatih Kahraman, Mumin Imamoglu, Hasan Fehmi Ates</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P9.50Paper Number: 3213</p> <p>Title: STUDY ON THE SATELLITE-BASED PRECIPITATION DOWNSCALING ALGORITHM IN TIANSHAN MOUNTAIN</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P9: Clouds and Precipitation: TRMM/GPM</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Qisheng He, Tao Yang, Baozhu Liu, Si Zhou</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P2.9Paper Number: 3214</p> <p>Title: ANALYSIS OF URBAN ENVIRONMENT FIELD WITH LONGTIME SERIES OF MODIS DATA OF WUHAN CITY, CENTRAL CHINA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P2: Analysis of Image Time Series</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Hongyuan Huo, Jing Li, Pengfei Liu, Yi Lian, Hu Zhang, Xiaoguang Jiang, Tiejun Cui</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P42.236Paper Number: 3215</p> <p>Title: SNOW RECOGNITION IN MOUNTAIN AREAS BASED ON SAR AND OPTICAL REMOTE SENSING DATA</p> <p>Topic: Cryosphere: Snow Cover</p> <p>Session: WEP.P42: Snow Cover III</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p>

	Authors: He Guangjun, Yan Hao, Pengfeng Xiao, Xuezhi Feng, Hui Li, Zuo Wang
View ADD <input type="checkbox"/>	Paper Code: THP.P7.33 Paper Number: 3216
	Title: Long Metal Cable Scattering Features in Space Borne High Resolution SAR Images
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P7: Differential SAR Interferometry III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Zhiguo Chen, Tao Li, Xiaozhi Zhang, Sha Li, Ailin Hou, Yan Liu
View ADD <input type="checkbox"/>	Paper Code: TUP.P33.179 Paper Number: 3218
	Title: AN EFFECTIVE ALGORITHM FOR EXTRINSIC CALIBRAION BETWEEN A 2D LASER SCANNER AND AN IMU
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P33: Optical Sensors and Calibration II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Wei Li, Cheng Wang, Chenlu Wen, Zheng Gong, Shanxin Zhang, Jonathan Li
View ADD <input type="checkbox"/>	Paper Code: THP.P22.121 Paper Number: 3219
	Title: Using Historical NDVI Time Series to Classify Crops at 30m Spatial Resolution: A Case in Southeast Kansas
	Topic: Land Applications: Agriculture
	Session: THP.P22: Remote Sensing for Crop Yield and Classification
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Pengyu Hao, Li Wang, Yulin Zhan, Zheng Niu, Mingquan Wu
View ADD <input type="checkbox"/>	Paper Code: TU3.L11.2 Paper Number: 3220
	Title: EFFECT OF WATER CONTENT OF CLOUD ON THE AZIMUTHAL DISTRIBUTION OF POLARIZATION CHARACTERISTICS OF DOUBLE SCATTERING LIDAR RETURN
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU3.L11: Clouds and Precipitation III
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Nee Evgeny, Bryukhanova Valentina, Doroshkevich Anton
View	Paper Code: WE3.L3.1 Paper Number: 3221
	Title: FUNCTIONAL MODEL SELECTION FOR INSAR TIME SERIES

ADD <input type="checkbox"/>	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: WE3.L3: Analysis of Image Time Series: SAR Sensors</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Ling Chang, Ramon Hanssen</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR4.L11.5Paper Number: 3222</p> <p>Title: DETECTION OF INLAND WATER BODIES WITH HIGH TEMPORAL RESOLUTION – ASSESSING DYNAMIC THRESHOLD APPROACHES</p> <p>Topic: Land Applications: Inland Waters</p> <p>Session: FR4.L11: Inland Waters</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Igor Klein, Ursula Gessner, Andreas Dietz, Patrick Leinenkugel, Stefan Dech, Claudia Kuenzer</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P11.61Paper Number: 3223</p> <p>Title: ATOMIC-FREE OPTIMIZATION ON GPU BASED SAR RAW DATA SIMULATION</p> <p>Topic: Data Management and Education: Data Management and Systems</p> <p>Session: MOP.P11: Data Management and Systems II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xiaojie Yao, Chen Hu, Fan Zhang, Wei Hu, Wei Li</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P13.69Paper Number: 3224</p> <p>Title: RESEARCH ON THE APPLICATION OF GROUND-BASED OPTICAL IMAGE FOR SLOPE RAPID MONITORING</p> <p>Topic: Mission, Sensors and Calibration: Ground based Systems</p> <p>Session: THP.P13: Ground Based Radar and Optical Systems</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Zhi Wang, Zhichao Chen, Yan Zhang, Huan Yang, Jianmin Kang, Yaxin Sun, Meng Wang, Nian Li</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P38.203Paper Number: 3225</p> <p>Title: A HEURISTIC APPROACH TO LEARNING NEW GRAPH STRUCTURES FOR REMOTE SENSING IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P38: Remote Sensing Images Classification</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p>

	Authors: Brian Salmon, Waldo Kleynhans, Jan Olivier, Colin Peter Schwegmann
View ADD <input type="checkbox"/>	Paper Code: TU3.L1.5 Paper Number: 3230
	Title: EXPERIMENTAL VALIDATION WITH TERRASAR-X/TANDEM-X OF ADVANCED INTERFEROMETRIC MODES FOR ACCURATE RETRIEVAL OF AZIMUTHAL DISPLACEMENTS
	Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques
	Session: TU3.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques I
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Nestor Yague-Martinez, Pau Prats-Iraola, Thomas Kraus, Steffen Wollstadt, Rolf Scheiber
View ADD <input type="checkbox"/>	Paper Code: WE4.L3.2 Paper Number: 3231
	Title: IMPROVING TIME SERIES ANOMALY DETECTION BASED ON EXPONENTIALLY WEIGHTED MOVING AVERAGE (EWMA) OF SEASON-TREND MODEL RESIDUALS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE4.L3: Analysis of Image Time Series: Optical Sensors I
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Zeng-Guang Zhou, Ping Tang
View ADD <input type="checkbox"/>	Paper Code: WEP.P10.57 Paper Number: 3232
	Title: A NEW FRAMEWORK OF BUILDING COLLAPSE EXTRACTION BASED ON AZIMUTH TIME-FREQUENCY ANALYSIS
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P10: Earthquake
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Haizhen Zhang, Qiming Zeng, Jian Jiao, Sheng Gao
View ADD <input type="checkbox"/>	Paper Code: MOP.P16.89 Paper Number: 3233
	Title: APPLICATION OF RELIEFF ALGORITHM TO SELECTING FEATURE SETS FOR CLASSIFICATION OF HIGH RESOLUTION REMOTE SENSING IMAGE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P16: High Resolution Images Classification
	Time: Monday, July 11, 17:20 - 19:00

	Authors: Zhi Wang, Yan Zhang, Zhichao Chen, Huan Yang, Yaxin Sun, Jianmin Kang, Yong Yang, Xiaojun Liang
View ADD <input type="checkbox"/>	Paper Code: WE2.L2.5 Paper Number: 3234
	Title: MULTI-OBJECT SPATIAL RELATIONSHIP MODEL FOR HIGH SPATIAL RESOLUTION SCENE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: WE2.L2: Pseudo Pixel Based Image Classification
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Siqi Wu, Bei Zhao, Yanfei Zhong, Liangpei Zhang
View ADD <input type="checkbox"/>	Paper Code: WE2.L7.5 Paper Number: 3235
	Title: Polarimetric Scattering from Inhomogeneous Dielectric Cylinders of Arbitrary Finite Length
	Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain
	Session: WE2.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Chao Yang, Qinhuo Liu, Jiancheng Shi, Yang Du
View ADD <input type="checkbox"/>	Paper Code: WEP.P18.103 Paper Number: 3236
	Title: SPATIOTEMPORAL PATTERNS OF PRIMARY PRODUCTIVITY DERIVED FROM REMOTE SENSING AND FLUX MEASUREMENTS
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: WEP.P18: Forests and Vegetation III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yang-Sheng Chiang, Kun-Shan Chen
View ADD <input type="checkbox"/>	Paper Code: FR2.L11.3 Paper Number: 3237
	Title: USE OF GEO-ONTOLOGY MATCHING TO MEASURE THE DEGREE OF INTEROPERABILITY
	Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience
	Session: FR2.L11: Big Data in Geoscience
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Ujwala Bharambe, Surya Durbha, Roger King, Nicolas Younan, Kuldeep Kurte

View ADD <input type="checkbox"/>	Paper Code: TU2.L6.3 Paper Number: 3241
	Title: TEMPORALLY EXTRAPOLATING OBJECT-BASED THRESHOLD FOR UPDATING URBAN EXTENTS FROM NIGHTTIME LIGHT DATA
	Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas
	Session: TU2.L6: Remote Sensors and Sensing of Urban Areas II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Yanhua Xie, Qihao Weng

View ADD <input type="checkbox"/>	Paper Code: WEP.P20.112 Paper Number: 3242
	Title: SPATIAL-TEMPORAL REASONING OF GEOVIDEO DATA BASED ON ONTOLOGY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science
	Session: WEP.P20: Geographic Information Science II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yan Zhou, Zhe Wang, Di He

View ADD <input type="checkbox"/>	Paper Code: WEP.P21.115 Paper Number: 3244
	Title: FLASH FLOODS IN MALIR BASIN DUE TO URBANIZATION
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P21: Hazards and Disasters
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Sumaira Zafar, Arjumand Zaidi

View ADD <input type="checkbox"/>	Paper Code: WEP.P6.33 Paper Number: 3245
	Title: A MOBILE DOPPLER LIDAR DEVELOPED FOR WIND AND TEMPERATURE MEASUREMENTS AT 30-70KM
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WEP.P6: Atmospheric Sounding Sensors
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zhaoai Yan, Xiong Hu, Wenjie Guo, Shangyong Guo, Yongqiang Cheng, Wenze Hao

View ADD <input type="checkbox"/>	Paper Code: WEP.P4.22 Paper Number: 3248
	Title: PREDICTING THE DISPERSION OF VOLCANIC ASH FROM 2013 ERUPTION OF SAKURAJIMA, JAPAN
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P4: Air Pollution
	Time: Wednesday, July 13, 17:20 - 19:00

	Authors: Seulki Lee, Changwook Lee
View ADD <input type="checkbox"/>	Paper Code: FR3.L6.5 Paper Number: 3249
	Title: PERFORMANCE ANALYSIS OF SPACE TARGET 3D RECONSTRUCTION FROM ISAR IMAGES WITH DIFFERENT ORBIT CHARACTERISTIC
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: FR3.L6: Registration of Multisensor Images and Reconstruction
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Peng Yang, Zhuang Wang, Libing Jiang
View ADD <input type="checkbox"/>	Paper Code: WEP.P44.243 Paper Number: 3250
	Title: DISCRETE FOURIER TRANSFORM BASED SAR SPECKLE FILTER
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P44: Theoretical Aspects of SAR Polarimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Sanjay Shitole, Abha Chaturvedi, Roshni Sharma, Damini Wadekar, Ashwini Bhandwalkar
View ADD <input type="checkbox"/>	Paper Code: FR2.L6.4 Paper Number: 3252
	Title: A HYPERSPECTRAL SPATIAL-SPECTRAL ENHANCEMENT ALGORITHM
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: FR2.L6: Hyperspectral Pansharpening
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Chen Yi, Yongqiang Zhao, Jingxiang Yang
View ADD <input type="checkbox"/>	Paper Code: FR1.L6.2 Paper Number: 3254
	Title: FUSION OF MULTISPECTRAL AND SAR IMAGES USING SPARSE REPRESENTATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: FR1.L6: Data Fusion Techniques
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Hai Zhang, Huanfeng Shen, Liangpei Zhang
View	Paper Code: WEP.P6.34 Paper Number: 3255

ADD <input type="checkbox"/>	<p>Title: STUDY OF BENDING ANGLE RESIDUAL IONOSPHERIC ERROR IN REAL RO DATA</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WEP.P6: Atmospheric Sounding Sensors</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Congliang Liu, Gottfried Kirchengast, Yueqiang Sun, Weihua Bai, Qifei Du, Xianyi Wang, Xiangguang Meng, Dongwei Wang, Yuerong Cai, Di Wu, Chunjun Wu, Wei Li, Junming Xia, Cheng Liu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR3.L10.5 Paper Number: 3256</p> <p>Title: THREE-STAGE TERRAIN CORRECTION METHOD FOR POLARIMETRIC SAR DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR3.L10: SAR Polarimetry I</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Lei Zhao, Erxue Chen, Zengyuan Li, Lan Li, Xinzhi Gu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L7.1 Paper Number: 3257</p> <p>Title: SEMANTIC ANNOTATION OF SATELLITE IMAGES VIA JOINT MULTI-FEATURE LEARNING WITH DIVERSITY CONSTRAINT</p> <p>Topic: Land Applications: Land Use Applications</p> <p>Session: TH1.L7: Land Use and Land Cover Applications</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Xiwen Yao, Junwei Han, Gong Cheng, Peicheng Zhou, Lei Guo</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE2.L4.2 Paper Number: 3260</p> <p>Title: Retrieval of Sea Surface Salinity under the WCOM Mission</p> <p>Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress</p> <p>Session: WE2.L4: Water Cycle Observation Mission (WCOM): Development and Progress II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Yang Du, Jiancheng Shi, Xiaobin Yin, Yongsheng Xu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU4.L3.5 Paper Number: 3261</p> <p>Title: HIERARCHICAL REINFORCEMENT LEARNING FOR SALIENCY DETECTION OF LOW-RESOLUTION AIRPORTS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: TU4.L3: Hyperspectral Image Analysis and Object Detection</p>

	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Danpei Zhao, Yuanyuan Ma, Jiajia Wang, Zhiguo Jiang
View	Paper Code: TU2.L7.2 Paper Number: 3262
ADD <input type="checkbox"/>	Title: UNSUPERVISED CHANGE DETECTION MODEL BASED ON HYBRID CONDITIONAL RANDOM FIELD FOR HIGH SPATIAL RESOLUTION REMOTE SENSING IMAGERY
	Topic: Student Paper Competition:
	Session: TU2.L7: Student Paper Contest Finalists II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Pengyuan Lv, Yanfei Zhong, Ji Zhao, Liangpei Zhang
View	Paper Code: TH4.L6.2 Paper Number: 3263
ADD <input type="checkbox"/>	Title: LITHOLOGICAL MAPPING FROM HYPERSPECTRAL IMAGERY USING EXTENDED ONE-CLASS KERNEL SPARSE REPRESENTATION
	Topic: Invited Sessions: Minerals and Hydrocarbons
	Session: TH4.L6: Minerals and Hydrocarbons II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Peijun Li, Benqin Song
View	Paper Code: TH3.L12.5 Paper Number: 3265
ADD <input type="checkbox"/>	Title: A FAST SWH RETRIEVAL ALGORITHM OF SATELLITE ALTIMETERS
	Topic: Oceans: Ocean Altimetry
	Session: TH3.L12: Ocean Altimetry
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Xi-Yu Xu, Ke Xu, Shuang-Bao Yang
View	Paper Code: TUP.P6.30 Paper Number: 3266
ADD <input type="checkbox"/>	Title: MONITORING GROUND SUBSIDENCE IN COASTAL AREA WITH ADVANCED INSAR TECHNIQUES: SHANGYU DISTRICT CASE STUDY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P6: Change Detection Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Lin Bai, Liming Jiang, Qishi Sun, Hansheng Wang
View	Paper Code: WE1.L3.4 Paper Number: 3267
ADD <input type="checkbox"/>	Title: A DECOMPOSITION MODEL FOR SCATTERERS CHANGE DETECTION IN MULTI-TEMPORAL SERIES OF SAR IMAGES

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: WE1.L3: Change Detection in SAR Images</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Sylvain Lobry, Loïc Denis, Florence Tupin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L2.4Paper Number: 3268</p> <p>Title: COMPUTATIONAL EFFICIENCY ACTIVE LEARNING FOR CLASSIFICATION OF HYPERSPETRAL IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TH4.L2: High Resolution Image Analysis</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Zhongyi Sun, Mingmin Chi, Jón Atli Benediktsson</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L8.3Paper Number: 3269</p> <p>Title: HIGH RESOLUTION TEMPERATURE AND SPECTRAL EMISSIVITY MAPPING (HITESEM)</p> <p>Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News</p> <p>Session: MO4.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Thomas Udelhoven, Christian Bossung, Gilles Rock, Peter Fischer, Andreas Müller, Tobias Storch, Karl Segl, Andreas Eisele, Martin Schlerf, Thiemo Knigge</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P25.138Paper Number: 3270</p> <p>Title: A SUB-LOOK ALIGNMENT METHOD FOR SAR ALTIMETER</p> <p>Topic: Oceans: Ocean Altimetry</p> <p>Session: WEP.P25: Ocean Altimetry</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Lei Wang, Ke Xu, Lingwei Shi, Shuang-Bao Yang, Peng Liu, Xiufen Yu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L9.1Paper Number: 3271</p> <p>Title: INNOVATIVE SEA SURFACE MONITORING WITH GNSS-REFLECTOMETRY ABOARD ISS: OVERVIEW AND RECENT RESULTS FROM GEROS-ISS</p> <p>Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)</p>

	<p>Session: TH3.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) I</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Jens Wickert, O. Andersen, J. Bandejas, L. Bertino, Estel Cardellach, Adriano Camps, N. Catarino, Bertrand Chapron, Giuseppe Foti, Christine Gommenginger, J. Hatton, P. Høeg, A. Jäggi, M. Kern, T. Lee, Manuel Martín-Neira, H. Park, Nazzareno Pierdicca, J. Rosello, M. Semmling, C.K. Shum, Cinzia Zuffada, F. Soulat, A. Sousa, J. Xie</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P27.145 Paper Number: 3272</p> <p>Title: DOWNSCALING MICROWAVE BRIGHTNESS TEMPERATURES FROM FY3B/MWRI WITH A LINEAR UNMIXING METHOD</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P27: Land and Water Applications</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Xiaojing Liu, Lingmei Jiang, Gongxue Wang, Zheng Lu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P12.68 Paper Number: 3273</p> <p>Title: RETRIEVING LAND SURFACE TEMPERATURE FROM LANDSAT 8 TIRS DATA USING RTTOV AND ASTER GED</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P12: Estimation and Regression Applications: Land</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xiangchen Meng, Hua Li, Yongming Du, Qinhua Liu, Jinshan Zhu, Lin Sun</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L5.5 Paper Number: 3274</p> <p>Title: Recent advances in global monitoring of terrestrial sun-induced chlorophyll fluorescence</p> <p>Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function</p> <p>Session: TU1.L5: Remote Sensing of Vegetation Traits and Function I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Luis Guanter, Philipp Koehler, Sophia Walther, Yongguang Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P43.244 Paper Number: 3275</p> <p>Title: CARBON FLUX AND EVAPOTRANSPIRATION IN AN OASIS-DESERT WETLAND</p> <p>Topic: Land Applications: Wetlands</p> <p>Session: THP.P43: Wetland and Inland Water</p>

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Qiang Zhang, Rui Sun, Lei Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P1.6 Paper Number: 3276
	Title: PLANET MINERAL DISTRIBUTION DETECTION VIA CLUSTERING-AWARE NONNEGATIVE MATRIX FACTORIZATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P1: Hyperspectral Target Detection
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jihao Yin, Chenyu Huang, Xiaoyan Luo, Hui Qv, Xiang Liu, Bingnan Han
View ADD <input type="checkbox"/>	Paper Code: MO4.L2.4 Paper Number: 3277
	Title: CLASS WISE OPTIMAL FEATURE SELECTION FOR LAND COVER CLASSIFICATION USING SAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: MO4.L2: SAR Image Feature Extraction and Filtering
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Shruti Gupta, Sandeep Kumar, Akanksha Garg, Dharmendra Singh, N. S. Rajput
View ADD <input type="checkbox"/>	Paper Code: THP.P6.30 Paper Number: 3278
	Title: RIVER DIKE SUBCIDENCE ESTIMATION FROM SATLLITE-BORNE MULTI-TEMPORAL SAR INTERFEROMETRY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P6: Differential SAR Interferometry II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Takuma Anahara
View ADD <input type="checkbox"/>	Paper Code: TU4.L3.4 Paper Number: 3280
	Title: HYPERSPECTRAL ANOMALY DETECTION USING BACKGROUND LEARNING AND STRUCTURED SPARSE REPRESENTATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU4.L3: Hyperspectral Image Analysis and Object Detection
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Fei Li, Yanning Zhang, Lei Zhang, Xiuwei Zhang, Dongmei Jiang

View ADD <input type="checkbox"/>	Paper Code: MO4.L1.2 Paper Number: 3281
	Title: FOREST ABOVE GROUND BIOMASS ESTIMATION FROM P-BAND TOMOGRAPHY DATA
	Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications
	Session: MO4.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Lan Li, Erxue Chen, Zengyuan Li, Lei Zhao, Xinzhi Gu
View ADD <input type="checkbox"/>	Paper Code: WE4.L6.2 Paper Number: 3282
	Title: SENSOR WEB ENABLEMENT (SWE) FOR CITIZEN SCIENCE
	Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems
	Session: WE4.L6: Advancing Interoperability for Geoscience Information Systems II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Ingo Simonis, Bart De Lathouwer, Trevor Taylor
View ADD <input type="checkbox"/>	Paper Code: MOP.P25.143 Paper Number: 3284
	Title: CROSS COMPARISON OF THE VEGETATION INDEXES BETWEEN FY-3A/VIRR, FY-3A/MERSI AND TERRA/MODIS DATA
	Topic: Data Management and Education: Remote Sensing Data and Policy Decisions
	Session: MOP.P25: Remote Sensing Data and Policy Decisions
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jun Zhao, Meixiang Ge, Bo Zhong, Aixia Yang
View ADD <input type="checkbox"/>	Paper Code: TH2.L9.1 Paper Number: 3285
	Title: The Software PARIS Interferometric Receiver (SPIR)
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: TH2.L9: Recent Advances in GNSS-R
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Serni Ribó, Juan Carlos Arco-Fernández, Oleguer Nogués-Correig, Fran Fabra, Estel Cardellach, Antonio Rius, Manuel Martín-Neira
View ADD <input type="checkbox"/>	Paper Code: TU1.L10.3 Paper Number: 3288
	Title: THE ITALIAN ASSETS FOR THE CLOSEYE EU PROJECT: COSMO-SKYMED AND ATHENA-FIDUS SATELLITE SYSTEMS
	Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities

	<p>Session: TU1.L10: COSMO-SkyMed Mission: Current and Future Activities I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Patrizia Sacco, Giorgia Parca, Giuseppe Codispoti, Luca Bertocchi, Enrico Russo, Alberto Tuozi, Carolina Matarazzi, Alessandro Coletta</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L5.5 Paper Number: 3289</p> <p>Title: CURRENT SITUATION AND METHOD OF DYNAMIC MONITORING OF DESERTIFICATION IN HUNSHANDAKE SANDY LAND</p> <p>Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring</p> <p>Session: MO4.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Pingping Huang, Xiangli Yang, Yuhai Bao, Shan Yin, Wen Hong</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P37.207 Paper Number: 3290</p> <p>Title: GREEPS: AN GNSS-R END-TO-END PERFORMANCE SIMULATOR</p> <p>Topic: Mission, Sensors and Calibration: GNSS-R Sensors</p> <p>Session: WEP.P37: Recent Advances in GNSS-R</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Weihua Bai, Junming Xia, Danyang Zhao, Yueqiang Sun, Xiangguang Meng, Congliang Liu, Qifei Du, Xianyi Wang, Dongwei Wang, Di Wu, Chunjun Wu, Cheng Liu, Yuerong Cai</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L8.5 Paper Number: 3291</p> <p>Title: OVERVIEW OF THE EnMAP IMAGING SPECTROSCOPY MISSION</p> <p>Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News</p> <p>Session: MO3.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Luis Guanter, Karl Segl, Saskia Foerster, André Hollstein, Godela Rossner, Christian Chlebek, Tobias Storch, Uta Heiden, Andreas Müller, Rupert Müller, Bernhard Sang</p>
<p>View</p>	<p>Paper Code: MOP.P35.218 Paper Number: 3293</p>

ADD <input type="checkbox"/>	<p>Title: DEM-ASSISTED BACK-PROJECTION ALGORITHM IN HIGH RESOLUTION GEOSYNCHRONOUS SAR IMAGING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P35: SAR Imaging Techniques VIII</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yuanhao Li, Xichao Dong, Kai Cui, Cheng Hu, Dongyang Ao, Teng Long</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR4.L6.2Paper Number: 3295</p> <p>Title: THERMAL SHARPENING OF VIIRS DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR4.L6: Super-resolution</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Giuseppe Picaro, Paolo Adesso, Rocco Restaino, Gemine Vivone, Daniele Picone, Mauro Dalla Mura</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P3.14Paper Number: 3296</p> <p>Title: DISTRIBUTED RETRIEVAL FOR MASSIVE REMOTE SENSING IMAGE METADATA ON SPARK</p> <p>Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience</p> <p>Session: THP.P3: Big Data in Geoscience</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Fengyang Wang, Xuezhi Wang, Wenjuan Cui, Xiao Xiao, Yuanchun Zhou, Jianhui Li</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P6.31Paper Number: 3298</p> <p>Title: X-BAND SAR INTERFEROMETRY FOR FOREST DYNAMICS DETECTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: THP.P6: Differential SAR Interferometry II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Alexander Zakharov, Ludmila Zakharova, Tumen Chimitdorzhiev</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE3.L12.3Paper Number: 3299</p> <p>Title: INVESTIGATION OF THE EXPERIMENTAL TANDEM-X PURSUIT MONOSTATIC MODE FOR OIL AND SHIP DETECTION</p>

	Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations
	Session: WE3.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Domenico Velotto, Ferdinando Nunziata, Carlos Bentes, Maurizio Migliaccio, Susanne Lehner

View ADD <input type="checkbox"/>	Paper Code: TU3.L4.2 Paper Number: 3300
	Title: ANALYSIS OF L-BAND BRIGHTNESS TEMPERATURES RESPONSE TO FREEZE/THAW IN TWO PRAIRIE ENVIRONMENTS FROM SURFACE-BASED RADIOMETER MEASUREMENTS
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU3.L4: Passive Microwave Satellite Products
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Alexandre Roy, Peter Toose, Chris Derksen, Alain Royer, Alex Mavrovic, Aaron Berg, Lauren Arnold, Matthew Williamson, Tracy Rowlandson, Juha Lemmetyinen, Alexandre Langlois, Erica Tetlock, Oliver Sonnentag

View ADD <input type="checkbox"/>	Paper Code: WEP.P36.197 Paper Number: 3302
	Title: DEPLOYMENT RESEARCH OF MULTI-TETHERED InSAR SYSTEM FOR GMTI MISSION
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: WEP.P36: Radar Remote Sensing Missions II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jinxiu Zhang, Zhigang Zhang

View ADD <input type="checkbox"/>	Paper Code: THP.P6.32 Paper Number: 3303
	Title: MONITORING GROUND DEFORMATION IN HONG KONG INTERNATIONAL AIRPORT WITH NL-INSAR FILTERING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P6: Differential SAR Interferometry II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Qishi Sun, Liming Jiang, Yafei Sun, Lin Bai, Hansheng Wang

View ADD <input type="checkbox"/>	Paper Code: THP.P22.118 Paper Number: 3304
	Title: SUGARCANE MONITORING USING MULTI-TEMPORAL SYNTHETIC APERTURE RADAR IN KAMPHAENG PHET PROVINCE, THAILAND
	Topic: Land Applications: Agriculture

	<p>Session: THP.P22: Remote Sensing for Crop Yield and Classification</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Preesan Rakwatin, Thanit Intarat, Panu Srestasathien, Peeteenut Triwong, Chanwit Tangsiriworakul, Samart Noivun</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L7.5 Paper Number: 3305</p> <p>Title: MAPPING EVAPOTRANSPIRATION AT MULTIPLE SCALES USING MULTI-SENSOR DATA FUSION</p> <p>Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration</p> <p>Session: MO3.L7: Remote Sensing of Land Surface Evapotranspiration I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Martha Anderson, Christopher Hain, Feng Gao, William Kustas, Yun Yang, Liang Sun, Yang Yang, Thomas Holmes, Wayne Dulaney</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P23.124 Paper Number: 3306</p> <p>Title: A UNIFIED MODEL FOR HYPERSPECTRAL IMAGE CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TUP.P23: Feature Extraction and Reduction VIII</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Tao Lin, Mingmin Chi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P30.164 Paper Number: 3307</p> <p>Title: SAR BASED SEA CURRENT ESTIMATION IN THE NAPLES COASTAL AREA</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: WEP.P30: Ocean Waves and Currents</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Virginia Zamparelli, Giuseppe Jackson, Andrea Cucco, Gianfranco Fornaro, Stefano Zecchetto</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P40.250 Paper Number: 3310</p> <p>Title: INFLUENCE OF BRANCH ARCHITECTURES ON GAP FRACTION AND CLUMPING INDEX OF CANOPIES</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P40: Vegetation Monitoring I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p>

	Authors: Jun Geng, Lili Tu, Qingjiu Tian, Xiaofei Wang, Xiaobo Zhu, Yanjun Yang, Ranran Yang, Lei Wang, Chunguang Lv, Yuchen Fang
View ADD <input type="checkbox"/>	Paper Code: FR4.L8.2 Paper Number: 3312
	Title: SUPPORT-DETECTION 5-D SAR TOMOGRAPHY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Tomography and 3D mapping
	Session: FR4.L8: Tomography and 3D Mapping
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Alessandra Budillon, Angel Caroline Johnsy, Gilda Schirinzi
View ADD <input type="checkbox"/>	Paper Code: WE2.L6.1 Paper Number: 3314
	Title: SPATIAL AND TEMPORAL INFORMATION FUSION FOR CROP CONDITION MONITORING
	Topic: Invited Sessions: Data Fusion
	Session: WE2.L6: Data Fusion II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Feng Gao, Martha Anderson, Donghui Xie
View ADD <input type="checkbox"/>	Paper Code: TUP.P42.232 Paper Number: 3315
	Title: FEATURE EXTRACTION FRAMEWORK IN CLASS SPACE FOR HYPERSPPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P42: Spectral Analysis and Feature Extraction
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ji Zhao, Yanfei Zhong, Rongrong Gao, Liangpei Zhang, Hong Shu
View ADD <input type="checkbox"/>	Paper Code: TU4.L4.1 Paper Number: 3316
	Title: EFFECT OF SOIL ROUGHNESS ON BACKSCATTERED P-BAND RADAR SIGNAL OVER BARE SOIL
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU4.L4: Radar Soil Moisture I
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Mehrez Zribi, Mouna Sahnoun, Nicolas Baghdadi, Ahmed Ben Hamida
View ADD <input type="checkbox"/>	Paper Code: THP.P19.103 Paper Number: 3318
	Title: COMPARISON OF TWO METHODS ON LUNAR FREE LIBRATIONS CONSIDERING TWO-LAYER MODEL

	<p>Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics</p> <p>Session: THP.P19: Interdisciplinary Topics I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Wenxiao Li, Alexander Gusev, Jinsong Ping</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L2.4 Paper Number: 3320</p> <p>Title: AN OPTIMIZED METHOD OF KERNEL MINIMUM NOISE FRACTION FOR DIMENSIONALITY REDUCTION OF HYPERSPECTRAL IMAGERY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: MO3.L2: Hyperspectral Band Selection and Dimensionality Reduction</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Bin Zhao, Lianru Gao, Bing Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L12.4 Paper Number: 3321</p> <p>Title: MULTI-PARAMETER OCEAN SURFACE WIND SPEED RETRIEVAL BASED ON LEAST SQUARE METHOD</p> <p>Topic: Oceans: Ocean Altimetry</p> <p>Session: TH3.L12: Ocean Altimetry</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Rongrong Zhang, Jiasheng Tian</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P15.84 Paper Number: 3323</p> <p>Title: BUILDING BLOCKS FOR SEMI-EMPIRICAL MODELS FOR FOREST PARAMETER EXTRACTION FROM INTERFEROMETRIC X-BAND SAR IMAGES</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P15: Forest Monitoring by Radar and Lidar</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jaan Praks, Aire Olesk, Kaupo Voormansik, Oleg Antropov, Karlis Zalite, Mart Noorma</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L1.1 Paper Number: 3324</p> <p>Title: DECORRELATING TARGETS: MODELS AND MEASURES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: WE1.L1: SAR Interferometry I</p>

	<p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Davide D'Aria, Antonio Leanza, Andrea Monti-Guarnieri, Andrea Recchia</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L6.4 Paper Number: 3326</p> <p>Title: HIGH-ORDER MARKOV RANDOM FIELDS-BASED COMPRESSED SENSING FOR MULTISPECTRAL RECONSTRUCTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: FR1.L6: Data Fusion Techniques</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Yukun Huang, Jingbo Wei, Shasha Yue</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P42.267 Paper Number: 3329</p> <p>Title: GEOSPATIAL ANALYSIS FOR LONG-TERM CHANGES OF FRACTIONAL VEGETATION COVER IN INNER MONGOLIAN DESERT STEPPE REGION, CHINA</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P42: Vegetation Monitoring III</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Bayaer Wuliangha, Aodenggaowa Jin, Wulanqiqige Han, Guangfu Sun, Jianbo Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L2.3 Paper Number: 3330</p> <p>Title: CLASSIFICATION OF HYPERSPECTRAL IMAGES WITH VERY SMALL TRAINING SIZE USING SPARSE UNMIXING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TH3.L2: Image Analysis and Classification</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Vera Andrejchenko, Rob Heylen, Paul Scheunders, Wilfried Philips, Wenzhi Liao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P38.213 Paper Number: 3332</p> <p>Title: A MODIFIED STATISTICAL TEST BASED ON SUPPORT ESTIMATION FOR MULTIPLE SCATTERERS DETECTION IN SAR TOMOGRAPHY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Tomography and 3D mapping</p> <p>Session: THP.P38: Tomography and 3D Mapping II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p>

Authors: Alessandra Budillon, Angel Caroline Johnsy, Gilda Schirinzi	
View ADD <input type="checkbox"/>	Paper Code: TUP.P28.150 Paper Number: 3333
	Title: THERMAL ANOMALY DETECTION FOR 2013 LUSHAN EARTHQUAKE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P28: Multitemporal Analysis Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yanmei Zhang, Haiying Huang, Xiao Cheng
View ADD <input type="checkbox"/>	Paper Code: FR2.L5.5 Paper Number: 3334
	Title: CHARACTERIZATION OF THE PERIODIC SURFACE IN AGRICULTURE BY THE USE OF POLARIMETRIC SIGNATURES
	Topic: Land Applications: Agriculture
	Session: FR2.L5: Computational Techniques for Crop Monitoring and Classification
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Lingli Zhao, Jie Yang, Pingxiang Li, Jinqi Zhao, Jing Zhang
View ADD <input type="checkbox"/>	Paper Code: WE3.L2.5 Paper Number: 3336
	Title: A MULTI-MANIFOLD CLUSTERING ALGORITHM FOR HYPERSPECTRAL REMOTE SENSING IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: WE3.L2: Classification of Hyperspectral Image II
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Aidin Hassanzadeh, Tuomo Kauranne, Arto Kaarna
View ADD <input type="checkbox"/>	Paper Code: TH3.L6.4 Paper Number: 3337
	Title: RARE EARTH ELEMENT DETECTION FROM NEAR-FIELD TO SPACE - SAMARIUM DETECTION USING THE REEMAP ALGORITHM
	Topic: Invited Sessions: Minerals and Hydrocarbons
	Session: TH3.L6: Minerals and Hydrocarbons I
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Nina Kristine Boesche, Christian Rogass, Christian Mielke, Christin Lubitz, Maximilian Brell, Sabrina Herrmann, Friederike Körting, Anne Papenfuß, Sabine Tonn, Uwe Altenberger, Luis Guanter
View	Paper Code: WEP.P36.198 Paper Number: 3338

ADD <input type="checkbox"/>	<p>Title: PHASE DIFFERENCE MEASUREMENT OF UNDERSAMPLED SINUSOIDAL SIGNALS BASED ON COHERENT ACCUMULATION AND DFT</p> <p>Topic: Mission, Sensors and Calibration: Small Satellite Technology</p> <p>Session: WEP.P36: Radar Remote Sensing Missions II</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Zihui Yuan, Lifu Chen, Haisheng Xu, Xuemin Xing</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR3.L9.2 Paper Number: 3340</p> <p>Title: DEVELOPMENT AND EXPERIMENTS OF MULTI-ASPECT GROUND-BASED SAR FOR DEFORMATION MONITORING</p> <p>Topic: Mission, Sensors and Calibration: Ground based Systems</p> <p>Session: FR3.L9: Ground Based Sensing</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Pingping Huang, Weixian Tan, Yanping Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P40.228 Paper Number: 3342</p> <p>Title: RAYSAR - 3D SAR SIMULATOR: NOW OPEN SOURCE</p> <p>Topic: Land Applications: Urban and Built Environment</p> <p>Session: THP.P40: Urban Applications I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Stefan Auer, Richard Bamler, Peter Reinartz</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L11.5 Paper Number: 3343</p> <p>Title: Aerosol Optical Depth Retrieval from Recalibrated AVHRR Data for China Mainland in 1998</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: TH2.L11: Aerosols and Atmospheric Chemistry II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Xingwei He, Yong Xue, Jie Guang, Linlu Mei</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR1.L2.5 Paper Number: 3344</p> <p>Title: DEM-BASED SHADOW DETECTION AND REMOVAL FOR LUNAR CRATERS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image Segmentation</p> <p>Session: FR1.L2: Image Segmentation</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Hongmei Zhu, Jihao Yin, Ding Yuan, Xiang Liu, Guangyun Zhang</p>

View ADD <input type="checkbox"/>	Paper Code: MOP.P18.99 Paper Number: 3345
	Title: RESEARCH ON AUTOMATIC DETECTION OF SEISMIC LANDSLIDES INFORMATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P18: Land Targets
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Qi Yan, Hui Li, Linhai Jing, Wenyan Ge, Haifeng Ding, Yunwei Tang, Kongwen Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P32.203 Paper Number: 3346
	Title: INVESTIGATION OF MULTICHANNEL SCANSAR WITH UP AND DOWN CHIRP MODULATION FOR RANGE AMBIGUITY SUPPRESSION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P32: SAR Imaging Techniques V
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Hongbo Mo, Zhimin Zeng
View ADD <input type="checkbox"/>	Paper Code: TUP.P6.31 Paper Number: 3347
	Title: CHANGE-DETECTION BASED ON SPARSE REPRESENTATION AND DEFORMABLE PATCHES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P6: Change Detection Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Yongqiang Zhao, Jinjun Sun, Lin Li
View ADD <input type="checkbox"/>	Paper Code: THP.P29.156 Paper Number: 3348
	Title: A FAST ESTIMATING METHOD OF INITIAL PHASE OFFSET FOR AIRBORNE DUAL-ANTENNA INSAR SYSTEM
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P29: SAR Interferometry II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Lifu Chen, Zhihui Yuan, Yinwei Li, Xuemin Xing, Siyu Wang
View ADD <input type="checkbox"/>	Paper Code: MOP.P7.38 Paper Number: 3349
	Title: CLOUD DETECTION OF OPTICAL REMOTE SENSING IMAGE TIME SERIES USING MEAN SHIFT ALGORITHM

	<p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P7: Clouds and Precipitation: Satellite Remote Sensing I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jiang Qian, Ye Luo, Yong Wang, Daotong Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P40.219 Paper Number: 3350</p> <p>Title: IMPROVEMENT OF LONG-TERM SNOW DEPTH PRODUCT ACCURACY FROM PASSIVE MICROWAVE SATELLITE OBSERVATIONS : A CASE STUDY WITH SNODAS DATA</p> <p>Topic: Cryosphere: Snow Cover</p> <p>Session: WEP.P40: Snow Cover and Frozen/Thaw</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Xiaojing Liu, Lingmei Jiang, Gongxue Wang, Shirui Hao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L1.4 Paper Number: 3352</p> <p>Title: MULTI-DIMENSIONAL AIRBORNE HOLOGRAPHIC SAR TOMOGRAPHY RECONSTRUCTION FOR GLACIERS AT L-/P-BAND</p> <p>Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications</p> <p>Session: MO3.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Octavio Ponce, Rolf Scheiber, Pau Prats-Iraola, Irena Hajnsek, Andreas Reigber</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P29.185 Paper Number: 3353</p> <p>Title: EFFICIENT STRIPMAP SAR RAW DATA GENERATION ACCOUNTING FOR TRAJECTORY DEVIATION AT NON-ZERO SQUINT</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P29: SAR Imaging Techniques III</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yuhua Guo, Qinhuo Liu, Bo Zhong</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P3.12 Paper Number: 3354</p> <p>Title: EARTH-OBSERVATION IMAGE ANALYTICS AND SEMANTIC DEFINITION TOOL</p> <p>Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience</p> <p>Session: THP.P3: Big Data in Geoscience</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p>

	Authors: Daniela Espinoza-Molina, Mihai Datcu, Octavian Dumitru, Vlad Manilici, Christoph Reck, Gottfried Schwarz
View ADD <input type="checkbox"/>	Paper Code: MOP.P13.70 Paper Number: 3355
	Title: THERMAL ANOMALY DETECTION BASED ON SALIENCY COMPUTATION FOR DISTRICT HEATING SYSTEM
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P13: Disaster and Anomaly Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yao Xu, Xinyu Wang, Yanfei Zhong, Liangpei Zhang
View ADD <input type="checkbox"/>	Paper Code: WEP.P1.4 Paper Number: 3356
	Title: DUST STORM DETECTION FOR XINGJIANG REGION USING INDIAN NATIONAL SATELLITE (INSAT 3A) DATA
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P1: Aerosols and Atmospheric Chemistry III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Aojie Di, Yong Xue, Xihua Yang, John Francis Leys, Jie Guang, Linlu Mei, Jingli Wang, Lu She, Xingwei He, Yahui Che, Cheng Fan
View ADD <input type="checkbox"/>	Paper Code: MO4.L6.3 Paper Number: 3358
	Title: GEOMATICS EDUCATION IN THE ERA OF BIG DATA
	Topic: Invited Sessions: Earth Observing Data Science
	Session: MO4.L6: Earth Observing Data Science II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Anjana Vyas, Zhaoyan Wu
View ADD <input type="checkbox"/>	Paper Code: TH3.L7.3 Paper Number: 3360
	Title: CUSTOMIZATION OF REMOTE SENSING WORKFLOW SERVICE BASED ON ONTOLOGY
	Topic: Data Management and Education: Data Management and Systems
	Session: TH3.L7: Data Management and Systems
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Lili Wang, Yong Xue, Jie Guang
View ADD <input type="checkbox"/>	Paper Code: TH2.L1.3 Paper Number: 3361
	Title: USING AN ACTIVE CONTOUR METHOD TO DETECT BILGE DUMPS FROM SAR IMAGERY

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH2.L1: SAR Imaging Techniques IV</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Lizwe Mdakane, Waldo Kleynhans, Colin Peter Schwegmann</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P23.126Paper Number: 3362</p> <p>Title: A FAST AUTOMATIC U-DISTRIBUTION SEGMENTATION ALGORITHM FOR POLSAR IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image Segmentation</p> <p>Session: THP.P23: Remote Sensing Image Segmentation I</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Dingsheng Hu, Anthony Paul Doulgeris, Xiaolan Qiu, Bin Lei</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P13.77Paper Number: 3364</p> <p>Title: PARAMETER SENSITIVITY ANALYSIS FOR BISTATIC SCATTERING OF ROUGH SURFACE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression</p> <p>Session: WEP.P13: Estimation and Regression Applications: Soil</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yuan Liu, Jiangyuan Zeng, Kun-Shan Chen, Zhao-Liang Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P11.58Paper Number: 3369</p> <p>Title: RETRIEVAL OF AOD OVER LAND SURFACE USING DIRECTIONAL MULTI-SPECTRAL POLARIZED DATA AND PRECISION ANALYSIS</p> <p>Topic: Advancing the Understanding of Our Living Planet: Global Change Study</p> <p>Session: THP.P11: Global Change Study</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Qiongqiong Lan, Xiaobo Zhu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L8.4Paper Number: 3370</p> <p>Title: A SUB-PIXEL REGISTRATION METHOD OF UAV OBLIQUE IMAGES</p> <p>Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms</p> <p>Session: FR1.L8: UAV Systems and Sensors</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Chengyi Wang, Jingbo Chen, Dongxu He</p>

View ADD <input type="checkbox"/>	Paper Code: TUP.P23.125 Paper Number: 3374
	Title: TEXTURAL CLASSIFICATION BASED ON WAVELET, CURVELET AND CONTOURLET FEATURES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P23: Feature Extraction and Reduction VIII
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Rizwan Ahmed Ansari, Krishna Mohan Buddhiraju

View ADD <input type="checkbox"/>	Paper Code: WE2.L3.5 Paper Number: 3375
	Title: A NEW MULTISPECTRAL PIXEL CHANGE DETECTION APPROACH USING PULSE-COUPLED NEURAL NETWORKS FOR CHANGE VECTOR ANALYSIS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE2.L3: Change Detection in Optical Images
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Victor-Emil Neagoe, Adrian-Dumitru Ciotec, Serban-Vasile Carata

View ADD <input type="checkbox"/>	Paper Code: TH4.L6.4 Paper Number: 3376
	Title: CHARACTERISTIC OF MULTISPECTRAL IMAGES AND WELL YIELDS OF HYDROGEOLOGICAL UNITS IN FRACTURE BEDROCK, TAIWAN
	Topic: Invited Sessions: Minerals and Hydrocarbons
	Session: TH4.L6: Minerals and Hydrocarbons II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Jung-Jun Lin, Yuei-An Liou, Shih-Meng Hsu, Su-Yun Chi, Anh Kim Nguyen

View ADD <input type="checkbox"/>	Paper Code: FR2.L2.3 Paper Number: 3377
	Title: A DATA-DRIVEN IDENTIFICATION OF GROWTH-MODEL CLASSES FOR THE ADAPTIVE ESTIMATION OF SINGLE-TREE STEM DIAMETER IN LIDAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: FR2.L2: Estimation and Regression Techniques
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Claudia Paris, Lorenzo Bruzzone

View	Paper Code: TUP.P27.142 Paper Number: 3379
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ADD <input type="checkbox"/>	Title: PASSIVE MICROWAVE REMOTE SENSING OF LAKE FREEZE-THAW OVER HIGH MOUNTAIN ASIA Topic: Land Applications: Soils and Soil Moisture Session: TUP.P27: Land and Water Applications Time: Tuesday, July 12, 17:20 - 19:00 Authors: Yongjian Ruan, Yubao Qiu, Xiaoqi Yu, Huadong Guo, Bin Cheng
View ADD <input type="checkbox"/>	Paper Code: MOP.P8.43 Paper Number: 3380 Title: APPLICATION OF CHINA FENGYUN STATIONARY SATELLITE DATA IN THE CLOUD ANALYSIS OF A HEAVY RAINFALL Topic: Atmosphere Applications: Precipitation and Clouds Session: MOP.P8: Clouds and Precipitation: Satellite Remote Sensing II Time: Monday, July 11, 17:20 - 19:00 Authors: Hongli Li
View ADD <input type="checkbox"/>	Paper Code: TU1.L3.3 Paper Number: 3381 Title: Semantic labeling of aerial images by learning class-specific object proposals Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition Session: TU1.L3: Object Detection Time: Tuesday, July 12, 08:20 - 10:00 Authors: Michele Volpi, Devis Tuia
View ADD <input type="checkbox"/>	Paper Code: THP.P38.214 Paper Number: 3383 Title: GLOBAL LOCALIZATION IN 3D MAPS FOR STRUCTURED ENVIRONMENT Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Tomography and 3D mapping Session: THP.P38: Tomography and 3D Mapping II Time: Thursday, July 14, 17:20 - 19:00 Authors: Yanxin Ma, Yulan Guo, Min Lu, Jian Zhao, Jun Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P24.129 Paper Number: 3384 Title: PARALLEL PROCESSING FOR ACCELERATED MEAN SHIFT ALGORITHM BASED ON TBB Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image Segmentation Session: THP.P24: Remote Sensing Image Segmentation II Time: Thursday, July 14, 17:20 - 19:00

	Authors: Ling Ding, Hongyi Li
View ADD <input type="checkbox"/>	Paper Code: FR2.L1.1 Paper Number: 3386
	Title: GROUND DEFORMATION INVESTIGATION OVER TAIYUAN BASIN (CHINA) BY INSAR TECHNOLOGY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR2.L1: Deformation Application
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Chengsheng Yang, Qin Zhang, Chaoying Zhao
View ADD <input type="checkbox"/>	Paper Code: TUP.P41.227 Paper Number: 3388
	Title: APPLICABILITY RESEARCH OF OPTICAL REMOTE SENSING DERIVED INDICES IN SOIL MOISTURE DOWNSCALING BASED ON SIB2 SIMULATION
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P41: Soil Properties II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zebin Zhao, Rui Jin, Jian Kang
View ADD <input type="checkbox"/>	Paper Code: THP.P15.83 Paper Number: 3391
	Title: SURFACE MOTION DISTRIBUTION PATTERN ON MOUNTAIN GLACIER REVEALED BY SAR INTENSITY BASED PIXEL-TRACKING APPROACH
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: THP.P15: Ice Sheets and Glaciers I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Shiyong Yan
View ADD <input type="checkbox"/>	Paper Code: MO3.L6.1 Paper Number: 3392
	Title: EXPLOITING DARK INFORMATION RESOURCES TO CREATE NEW VALUE ADDED SERVICES to STUDY EARTH SCIENCE PHENOMENA
	Topic: Invited Sessions: Earth Observing Data Science
	Session: MO3.L6: Earth Observing Data Science I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Rahul Ramachandran, Manil Maskey, Xiang Li, Kaylin Bugbee
View ADD <input type="checkbox"/>	Paper Code: TH2.L12.5 Paper Number: 3394
	Title: PERSPECTIVES FOR DIRECTIONAL SPECTRA ASSIMILATION : RESULTS FROM A STUDY BASED ON JOINT ASSIMILATION OF CFOSAT SYNTHETIC WAVE SPECTRA AND OBSERVED SAR

	SPECTRA FROM SENTINEL-1A
	Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations
	Session: TH2.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Lotfi Aouf, Danièle Hauser, Céline Tison, Alexis Mouche

View ADD <input type="checkbox"/>	Paper Code: MOP.P29.181 Paper Number: 3396
	Title: SAR DESPECKLING BASED ON ENHANCED WIENER FILTER
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P29: SAR Imaging Techniques III
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Fabio Baselice, Giampaolo Ferraioli, Angel Caroline Johnsy, Vito Pascazio, Gilda Schirinzi

View ADD <input type="checkbox"/>	Paper Code: MOP.P26.163 Paper Number: 3398
	Title: SAR IMAGE CLASSIFICATION BASED ON CRFS WITH OBJECT STRUCTURE PRIORS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P26: SAR and Sonar Image Analysis and Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Yongke Ding, Weiwei Guo, Juanping Zhao, Yuanxiang Li, Weidong Xiang, Zenghui Zhang, Wenxian Yu

View ADD <input type="checkbox"/>	Paper Code: TUP.P6.32 Paper Number: 3399
	Title: THE VARIATION OF VEGETATION COVER WITHIN THE REGION OF BEIJING SIX-RING FROM 2002 TO 2014
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P6: Change Detection Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Cheng-feng Luo, Xiujuan Yu, Ying-kun Du, Lixia Tong

View ADD <input type="checkbox"/>	Paper Code: FR1.L12.1 Paper Number: 3400
	Title: MONITORING WATERLINE CHANGES IN COASTAL WETLANDS IN THE YELLOW RIVER DELTA FROM LONG PERIOD REMOTE SENSING DATA
	Topic: Oceans: Coastal Zones

	Session: FR1.L12: Coastal Zones
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Kun Shang, Dong Zhao, Yisong Xie
View ADD <input type="checkbox"/>	Paper Code: WEP.P43.241 Paper Number: 3403
	Title: SIMULTANEOUS ESTIMATION OF BUILDING HEIGHT AND GROUND DEFORMATION OVER XI'AN CITY, CHINA USING MULTI-TEMPORAL INSAR METHOD
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P43: Subsidence and Landslip
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Feifei Qu, Qin Zhang, Chaoying Zhao, Zhong Lu, Juqing Zhang, Jing Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P5.27 Paper Number: 3404
	Title: STUDY ON CORRECTION OF DAILY PRECIPITATION DATA OF THE QINGHAI-TIBETAN PLATEAU WITH MACHINE LEARNING MODELS
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P5: Clouds and Precipitation
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Chen Ning, Yudan Wang, Zhuotong Nan, Hao Chen, Canran Liu
View ADD <input type="checkbox"/>	Paper Code: FR1.L10.5 Paper Number: 3406
	Title: AERODYNAMIC ROUGHNESS RETRIEVAL FROM POLARIMETRIC ALOS-2 DATA IN URBAN AREAS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: FR1.L10: PolSAR and PolInSAR Information Extraction I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Fengli Zhang, Minmin Sha, Guojun Wang, Zhikun Li, Yun Shao
View ADD <input type="checkbox"/>	Paper Code: WEP.P37.203 Paper Number: 3407
	Title: UNIFIED GNSS-R FORMULATION INCLUDING COHERENT AND INCOHERENT SCATTERING COMPONENTS
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: WEP.P37: Recent Advances in GNSS-R
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Hugo Carreno-Luengo, Adriano Camps

View ADD <input type="checkbox"/>	Paper Code: TU3.L9.5 Paper Number: 3410
	Title: ESMAS: EXPERIMENT SYSTEM OF MIRRORED APERTURE SYNTHESIS
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU3.L9: Aperture Synthesis Radiometry
	Time: Tuesday, July 12, 13:30 - 15:10
Authors: Qingxia Li, Ke Chen, Wei Guo, Haofeng Dou, Menglin Hu, Congcong Huang, Mingkui Zhu	
View ADD <input type="checkbox"/>	Paper Code: FR1.L8.5 Paper Number: 3413
	Title: Comparative analysis of vegetation indices, non-parametric and physical retrieval methods for monitoring nitrogen in wheat using UAV-based multispectral imagery
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: FR1.L8: UAV Systems and Sensors
	Time: Friday, July 15, 08:20 - 10:00
Authors: Yong Liu, Tao Cheng, Yan Zhu, Yongchao Tian, Weixing Cao, Xia Yao, Ni Wang	
View ADD <input type="checkbox"/>	Paper Code: TU1.L10.5 Paper Number: 3414
	Title: COSMO-SKYMED DI SECONDA GENERAZIONE SYSTEM ACCESS PORTFOLIO
	Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities
	Session: TU1.L10: COSMO-SkyMed Mission: Current and Future Activities I
	Time: Tuesday, July 12, 08:20 - 10:00
Authors: Giovanni Valentini, Silvia Mari, Tiziana Scopa, Giuseppe Francesco De Luca, Mauro Cardone, Anna Croce, Oreste Trematerra, Danilo Vicari, Marco Cutigni, Marco Terlizzi, Stefano Pellegrini, Marina Mochi	
View ADD <input type="checkbox"/>	Paper Code: TU2.L7.4 Paper Number: 3415
	Title: A NUMERICAL STUDY OF MICROWAVE EMISSION FROM OCEAN FOAM LAYER
	Topic: Student Paper Competition:
	Session: TU2.L7: Student Paper Contest Finalists II
	Time: Tuesday, July 12, 10:30 - 12:10
Authors: Rui Jiang, Peng Xu, Kun-Shan Chen, Saibun Tjuatja, Xiong-Bin Wu	

View ADD <input type="checkbox"/>	Paper Code: TUP.P27.143 Paper Number: 3416
	Title: Impacts of climate change and human activities on the dynamics of wetland in Heihe river basin since 2008
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P27: Land and Water Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Haibo Wang, Mingguo Ma
View ADD <input type="checkbox"/>	Paper Code: WEP.P44.247 Paper Number: 3418
	Title: ESA'S ACTIVITIES FOR THE DEVELOPMENT AND EXPLOITATION OF POLARIMETRIC SAR MISSIONS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P44: Theoretical Aspects of SAR Polarimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yves-Louis Desnos, Malcolm Davidson, Klaus Scipal
View ADD <input type="checkbox"/>	Paper Code: WEP.P10.58 Paper Number: 3420
	Title: INTEGRATION OF SAR IMAGE AND VULNERABILITY DATA FOR BUILDING DAMAGE DEGREE ESTIMATION
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P10: Earthquake
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Liqiang An, Jingfa Zhang, Lixia Gong, Qiang Li
View ADD <input type="checkbox"/>	Paper Code: MOP.P22.126 Paper Number: 3421
	Title: FOREST LAND TYPE PRECISE CLASSIFICATION BASED ON SPOT5 AND GF-1 IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P22: Multi-source Images Fusion and Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Chong Ren, Hongbo Ju, Huaiqing Zhang, Jianwen Huang
View ADD <input type="checkbox"/>	Paper Code: FR3.L3.2 Paper Number: 3422
	Title: MAPPING THE URBAN SURFACE IN A SUB-PIXEL LEVEL WITH MULTISPECTRAL HIGH RESOLUTION SATELLITE IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR3.L3: Target Detection Techniques

	Time: Friday, July 15, 13:30 - 15:10
	Authors: Zina Mitraka, Fabio Del Frate, Giovanni Schiavon
View ADD <input type="checkbox"/>	Paper Code: THP.P2.9 Paper Number: 3424
	Title: IMPACT OF PLASTIC MULCH ON THE SURFACE SOIL HEAT FLUX ESTIMATION OVER COTTON IN NORTHWEST CHINA
	Topic: Land Applications: Agriculture
	Session: THP.P2: Agricultural Parameters
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Nana Li, Fuqiang Tian, Hongchang Hu
View ADD <input type="checkbox"/>	Paper Code: WE2.L2.2 Paper Number: 3426
	Title: CONVEX FORMULATION FOR HYPERSPECTRAL IMAGE CLASSIFICATION WITH SUPERPIXELS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: WE2.L2: Pseudo Pixel Based Image Classification
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Yi Liu, Filipe Condessa, Jose Bioucas-Dias, Jun Li, Antonio Plaza
View ADD <input type="checkbox"/>	Paper Code: FR3.L12.2 Paper Number: 3428
	Title: HAZARDOUS AND NOXIOUS SUBSTANCE DETECTION BY HYPERSPECTRAL IMAGERY FOR MARINE POLLUTION APPLICATION
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR3.L12: Marine Pollution and Disasters
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Pierre-Yves Foucher, Laurent Poutier, Philippe Deliot, Eldon Puckrin, Sophie Chataing
View ADD <input type="checkbox"/>	Paper Code: THP.P29.157 Paper Number: 3429
	Title: ECHO PHASE CHARACTERISTICS OF INTERFEROMETRIC ALTIMETER FOR CASE OF RANDOM SURFACE PLUS ONE STRONG POINT SCATTER
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P29: SAR Interferometry II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Xi-Yu Xu, He-Guang Liu, Shuang-Bao Yang

View ADD <input type="checkbox"/>	Paper Code: FR2.L1.2 Paper Number: 3430
	Title: DEFORMATION TIME-SERIES DERIVED FROM TERRESTRIAL RADAR OBSERVATIONS USING PERSISTENT SCATTERER INTERFEROMETRY IN SEATTLE, WASHINGTON
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR2.L1: Deformation Application
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Charles L. Werner, Ben Lowry, Urs Wegmüller, Nathan Pugh, Gavin Schrock, Wendy Zhou
View ADD <input type="checkbox"/>	Paper Code: TUP.P4.21 Paper Number: 3432
	Title: EARTHQUAKE DAMAGE MAPPING OVER PORT-AU-PRINCE (HAITI) BY REMOTELY SENSED DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P4: Analysis of Multitemporal SAR Images
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Vito Romaniello, Alessandro Piscini, Christian Bignami, Roberta Anniballe, Nazzareno Pierdicca, Salvatore Stramondo
View ADD <input type="checkbox"/>	Paper Code: TUP.P40.220 Paper Number: 3434
	Title: UNCERTAINTIES ANALYSIS FOR NORMALIZED SOIL MOISTURE MODEL BASED ON THE COMBINATION OF OPTICAL AND THERMAL INFRARED DATA
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P40: Soil Properties I
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zhang Dianjun, Zhou Guoqing, Yu Liu
View ADD <input type="checkbox"/>	Paper Code: FR4.L3.5 Paper Number: 3437
	Title: VEGETATION SUPPRESSION FOR UNVEILING OF SURFACE LITHOLOGY FROM HYPERSPECTRAL IMAGES USING LINEAR SPECTRAL UNMIXING APPROACH
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR4.L3: Spectral Unimixing Techniques III
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Mahendra Pal, A Porwal
View	Paper Code: THP.P21.110 Paper Number: 3438

ADD <input type="checkbox"/>	<p>Title: THE MOISTURE CHARACTERISTICS FROM 1981 TO 2010 IN LONGDONG LOESS PLATEAU</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P21: Remote Sensing for Agricultural Hydrology</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Yaling Lu, Ni Guo</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE3.L9.2 Paper Number: 3439</p> <p>Title: DESERTIFICATION MONITORING AND ASSESSMENT: A NEW REMOTE SENSING METHOD</p> <p>Topic: Invited Sessions: Dragon 3 Cooperation</p> <p>Session: WE3.L9: Dragon 3 Cooperation</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Zhihai Gao, Bin Sun, Zengyuan Li, Gabriel del Barrio, Xiaosong Li</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P14.81 Paper Number: 3440</p> <p>Title: DEVELOPMENT OF ELECTROMAGNETIC APPROACH FOR EARLY BREAST TUMOR DETECTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P14: Feature Extraction and Detection Algorithm I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Nagmani Kumar, Varsha Mishra, Smitha Puthucheri, Dharmendra Singh, Keshava P Singh, N. S. Rajput</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P21.119 Paper Number: 3442</p> <p>Title: INTERCOMPARISON OF INTEGRATED WATER VAPOR PRODUCTION RETRIEVALS FROM HY-2 AND AMSR2</p> <p>Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration</p> <p>Session: MOP.P21: Microwave Radiometry</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xiaoqi Huang, Yili Zhao, Jianhua Zhu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WEP.P23.128 Paper Number: 3443</p> <p>Title: A NOVEL APPROACH FOR OPTIMAL WEIGHT FACTOR OF DT-CWT COEFFICIENTS FOR LAND COVER CLASSIFICATION USING MODIS DATA</p> <p>Topic: Land Applications: Land Use Applications</p> <p>Session: WEP.P23: Land Use Applications</p>

	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Akanksha Garg, Shashi Vardhan Naidu, Shruti Gupta, Dharmendra Singh, Nicolas Brodu, Hussein Yahia
View ADD <input type="checkbox"/>	Paper Code: TU1.L7.3 Paper Number: 3444
	Title: FAST HYPERSPECTRAL IMAGE DENOISING BASED ON LOW RANK AND SPARSE REPRESENTATIONS
	Topic: Student Paper Competition:
	Session: TU1.L7: Student Paper Contest Finalists I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Lina Zhuang, Jose Bioucas-Dias
View ADD <input type="checkbox"/>	Paper Code: TH3.L11.1 Paper Number: 3445
	Title: POTENTIAL APPLICATION OF DMSP/OLS NIGHTTIME LIGHT DATA FOR ESTIMATING GROUND-LEVEL PM2.5 CONCENTRATIONS
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: TH3.L11: Air Pollution
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Xueke Li, Chuanrong Zhang, Weidong Li, Kai Liu
View ADD <input type="checkbox"/>	Paper Code: WEP.P3.16 Paper Number: 3446
	Title: CLIMATOLOGY OF NIGHTTIME DUST STORMS IN NORTHERN CHINA AND MONGOLIA: RESULTS FROM MODIS THERMAL INFRARED OBSERVATIONS
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P3: Aerosols and Atmospheric Chemistry V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yang Liu, Ronggao Liu
View ADD <input type="checkbox"/>	Paper Code: FR2.L9.4 Paper Number: 3447
	Title: COMBINING WAVELET TRANSFORM AND COMPRESSIVE SENSING FOR SUBSURFACE IMAGING OF NON-SPARSE TARGETS
	Topic: Invited Sessions: Advanced Ground Penetrating Radar
	Session: FR2.L9: Advanced Ground Penetrating Radar II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Michele Ambrosanio, Vito Pascazio
View ADD <input type="checkbox"/>	Paper Code: TUP.P7.36 Paper Number: 3448
	Title: HYPERSPECTRAL IMAGE CLASSIFICATION BASED ON KNN SPARSE REPRESENTATION

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P7: Classification and Data Mining</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Weiwei Song, Shutao Li, Xudong Kang, Kunshan Huang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L8.3Paper Number: 3449</p> <p>Title: MULTI-PURPOSES RADAR FOR IMAGING, NAVIGATION, SENSE-AND-AVOID ONBOARD MINI AND MICRO UNMANNED AERIAL VEHICLES</p> <p>Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms</p> <p>Session: FR1.L8: UAV Systems and Sensors</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Antonio Fulvio Scannapieco, Alfredo Renga, Antonio Moccia</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L3.4Paper Number: 3450</p> <p>Title: REGION OF INTEREST DETECTION BASED ON SALIENT FEATURE CLUSTERING FOR REMOTE SENSING IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MO3.L3: Image Processing Techniques of Detecting</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Libao Zhang, Xinran Lv, Jie Chen, Lan Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L8.2Paper Number: 3453</p> <p>Title: SYSIPHE, an airborne hyperspectral system from visible to thermal infrared</p> <p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TU3.L8: Thermal and Hyperspectral Sensors and Mapping</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Laurent Rousset-Rouvière, Isabelle Sisakoun, Torbjorn Skauli, Christophe Coudrain, Yann Ferrec, Sophie Fabre, Laurent Poutier, Yannick Boucher, Trond Loke, Soren Blaaberg</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P40.221Paper Number: 3454</p> <p>Title: CONSIDERATION OF VARIABLE ATMOSPHERIC TRANSMISSIVITY IN PASSIVE MICROWAVE SNOWPACK RETRIEVALS OVER TIBETAN PLATEAU</p> <p>Topic: Cryosphere: Snow Cover</p> <p>Session: WEP.P40: Snow Cover and Frozen/Thaw</p>

	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yubao Qiu, Juha Lemmetyinen, Huadong Guo, Lijuan Shi, Jiancheng Shi
View ADD <input type="checkbox"/>	Paper Code: THP.P39.223 Paper Number: 3456
	Title: A COMPARISON OF SCALE-INVARIANT FEATURE DETECTION METHODS FOR UAV SEQUENTIAL IMAGES PROCESSING
	Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms
	Session: THP.P39: UAV Systems and Sensors
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Wenshuai Yu, Xiaochong Tong, Weiming Xu, Jinhua Xie
View ADD <input type="checkbox"/>	Paper Code: FR3.L4.2 Paper Number: 3457
	Title: THE ULTRA-WIDEBAND SOFTWARE-DEFINED RADIOMETER (UWBRAD) FOR ICE SHEET INTERNAL TEMPERATURE SENSING: RESULTS FROM RECENT OBSERVATIONS
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: FR3.L4: Ice Sheets and Glaciers I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Joel Johnson, Kenneth Jezek, Mustafa Aksoy, Alexandra Bringer, Caglar Yardim, Mark Andrews, Chi-Chih Chen, Domenic Belgiovane, Vladimir Leuski, Michael Durand, Yuna Duan, Giovanni Macelloni, Marco Brogioni, Shurun Tan, Tian-Lin Wang, Leung Tsang
View ADD <input type="checkbox"/>	Paper Code: TUP.P24.130 Paper Number: 3460
	Title: AN INFORMATION THEORETICAL APPROACH TO MULTIPLE-BAND SELECTION FOR HYPERSPECTRAL IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P24: Hyperspectral Imagery Band Selection Dimensionality Reduction
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Li-Chien Lee, Yen-Chieh Ouyang, Shih-Yu Chen, Chein-I Chang
View ADD <input type="checkbox"/>	Paper Code: FR1.L1.3 Paper Number: 3462
	Title: A Velocity Estimation Method of Moving Target for SAR High-Resolution Wide-Swath Mode
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: FR1.L1: SAR Imaging Techniques VII
	Time: Friday, July 15, 08:20 - 10:00

	Authors: Xiangyu Wang, Robert Wang, Ning Li, Chunhui Zhou
View ADD <input type="checkbox"/>	Paper Code: WEP.P9.51 Paper Number: 3464
	Title: DYNAMIC ANALYSIS OF DROUGHT TREND IN HUANG-HUAI-HAI REGION BASED ON MODIS AND TVDI
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P9: Droughts
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Qin Sun, Liang Liang, Xiang Luo, Hui Lin, Yanjun Li, Jia Rui, Lianpeng Zhang
View ADD <input type="checkbox"/>	Paper Code: TU3.L3.4 Paper Number: 3465
	Title: ROAD NETWORK EXTRACTION VIA DEEP LEARNING AND LINE INTEGRAL CONVOLUTION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: TU3.L3: Road and Building Detection
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Peikang Li, Yu Zang, Cheng Wang, Jonathan Li, Ming Cheng, Lun Luo, Yao Yu
View ADD <input type="checkbox"/>	Paper Code: WEP.P42.232 Paper Number: 3470
	Title: DAILY CLOUD FREE SNOW COVER MAPPING OVER CENTRAL ASIA AND XINJIANG PROVINCE OF CHINA
	Topic: Cryosphere: Snow Cover
	Session: WEP.P42: Snow Cover III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yubao Qiu, Xiaoqi Yu, Huadong Guo, Lijuan Shi, Huan Zhang
View ADD <input type="checkbox"/>	Paper Code: FR4.L1.2 Paper Number: 3471
	Title: GROUND-BASED INTERFEROMETRIC RADAR FOR DYNAMIC DEFORMATION MONITORING OF THE TING KAU BRIDGE IN HONG KONG
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR4.L1: Differential SAR Interferometry II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Bo-Chen Zhang, Xiaoli Ding, Mi Jiang, Bin Zhang, Songbo Wu, Hongyu Liang

View ADD <input type="checkbox"/>	Paper Code: WE3.L3.3 Paper Number: 3472
	Title: OMNIBUS TEST FOR CHANGE DETECTION IN A TIME SEQUENCE OF POLARIMETRIC SAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE3.L3: Analysis of Image Time Series: SAR Sensors
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Allan A. Nielsen, Knut Conradsen, Henning Skriver
View ADD <input type="checkbox"/>	Paper Code: TU2.L2.3 Paper Number: 3473
	Title: Hyperspectral image Supervised Classification Via Multi-View Nuclear Norm based 2D PCA Feature Extraction and Kernel ELM
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TU2.L2: Feature Extraction and Application
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Jue Jiang, Lili Huang, Heng Li, Liang Xiao
View ADD <input type="checkbox"/>	Paper Code: FR1.L5.3 Paper Number: 3475
	Title: SENTINEL1 RESPONSE TO CEREAL LEAF AREA INDEX (LAI): STUDY CASE FOR CENTRAL TUNISIA
	Topic: Land Applications: Agriculture
	Session: FR1.L5: Radar and Hyperspectral Remote Sensing for Crop Parameters
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Meriem Barbouchi, Riadh Abdelfattah, Karem Chokmani, Nadhira Ben Aissa, Hatem Cheikh Mhammed
View ADD <input type="checkbox"/>	Paper Code: WEP.P8.46 Paper Number: 3476
	Title: SPATIO-TEMPORAL DISTRIBUTION OF ATMOSPHERE POLLUTANTS DURING WINTER HEATING PERIOD OVER SU-LU-YU-WAN PROVINCES
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P8: Disaster Assessment
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yang Bai, Lixin Wu, Yuan Zhou, Kai Qin
View ADD <input type="checkbox"/>	Paper Code: TH3.L10.3 Paper Number: 3477
	Title: STUDY ON FINE FEATURE DESCRIPTION OF MULTI-ASPECT SAR OBSERVATIONS

	<p>Topic: Invited Sessions: SAR Polarimetry: Theory and Applications</p> <p>Session: TH3.L10: SAR Polarimetry: Theory and Applications I</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Yun Lin, Wen Hong, Yang Li, Weixian Tan, Lingjuan Yu, Liying Hou, Jianfeng Wang, Yan Liu, Weiyan Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P34.214Paper Number: 3480</p> <p>Title: A NOVEL INSAR BASED OFF-ROAD POSITIVE AND NEGATIVE OBSTACLE DETECTION TECHNIQUE FOR UNMANNED GROUND VEHICLE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P34: SAR Imaging Techniques VII</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Jian Wang, Qian Song, Zhibiao Jiang, Zhimin Zhou</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P22.122Paper Number: 3483</p> <p>Title: RESPONSE OF SEAWATER QUALITIES TO LAND COVER CHANGES IN COASTAL AREAS IN BOHAI BAY DURING 2000~2010</p> <p>Topic: Land Applications: Land Cover Dynamics</p> <p>Session: WEP.P22: Land Cover Dynamics</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Yiting Wang, Song Liu, Hu Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L1.2Paper Number: 3484</p> <p>Title: OPTIMAL DATA PROCESSING SOLUTIONS FOR FUTURE BISTATIC SAR MISSIONS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: FR1.L1: SAR Imaging Techniques VII</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Davide D'Aria, Riccardo Piantanida, Antonio Valentino, Simone Mancon</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L10.4Paper Number: 3486</p> <p>Title: HOW THE COSMO SKYMED MCO FIRST GENERATION IS GETTING READY TO JOIN TO THE SECOND GENERATION</p> <p>Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities</p> <p>Session: TU1.L10: COSMO-SkyMed Mission: Current and Future Activities I</p>

	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Rosa Loizzo, Luca Fasano, Mauro Cardone, Rita Carpentiero, Luigi De Angelis, Giuseppe Francesco De Luca
View ADD <input type="checkbox"/>	Paper Code: FR3.L1.2 Paper Number: 3487
	Title: A REFINED SPLIT-SPECTRUM ALGORITHM FOR CORRECTING IONOSPHERIC EFFECTS ON INTERFEROGRAMS OF SPACEBORN D-INSAR AT LONGER WAVELENGTH
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR3.L1: Differential SAR Interferometry I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Kamel Hasni, Jie Chen, Li Zhuo
View ADD <input type="checkbox"/>	Paper Code: WEP.P8.45 Paper Number: 3488
	Title: ESTIMATED POST-FLOOD EFFECTS THROUGH FREE, FULL AND OPEN SATELLITE REMOTE SENSING DATA TO SUPPORT CIVIL PROTECTION
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P8: Disaster Assessment
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Cesario Vincenzo Angelino, Luca Cicala, Nicomino Fiscante, Mariano Focareta
View ADD <input type="checkbox"/>	Paper Code: WEP.P23.129 Paper Number: 3490
	Title: COMPARISON OF HYPERSPECTRAL VEGETATION INDICES BASED ON CASI AIRBORNE DATA
	Topic: Land Applications: Land Use Applications
	Session: WEP.P23: Land Use Applications
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xiaojun She, Lifu Zhang, Changping Huang, Siheng Wang
View ADD <input type="checkbox"/>	Paper Code: MOP.P39.244 Paper Number: 3491
	Title: ASSESSMENT OF TERRESTRIAL VEGETATION DYNAMICS FROM MODIS FAPARCHL PRODUCT AND LAND SURFACE MODEL
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P39: Vegetation Monitoring by MODIS
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Tian Yao, Qingyuan Zhang

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L12.1 Paper Number: 3492</p> <p>Title: CLOUD FILTERING WITH MERIS AND AATSR FOR MELT POND DETECTION ON ARCTIC SEA ICE</p> <p>Topic: Cryosphere: Sea Ice</p> <p>Session: FR2.L12: Sea Ice</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Henrik Marks, Georg Heygster, Larysa Istomina</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L6.5 Paper Number: 3493</p> <p>Title: AN APPROACH FOR FLOOD INUNDATED DURATION EXTRACTION BASED ON LEVEL SET METHOD USING REMOTE SENSING DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Geographic Information Science</p> <p>Session: TU3.L6: Geographic Information Science</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Lianchong Zhang, Wenyang Yu, Guoqing Li, Hongyue Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P11.60 Paper Number: 3495</p> <p>Title: REMOTE SENSING DATA PROCESSING ACCELERATION BASED ON MULTI-CORE PROCESSORS</p> <p>Topic: Data Management and Education: Data Management and Systems</p> <p>Session: MOP.P11: Data Management and Systems II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xiao Zheng, Yong Xue, Jie Guang, Jia Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P6.34 Paper Number: 3496</p> <p>Title: A PRELIMINARY ANALYSIS OF CLOUD CLASSIFICATION RESULTS USING KA-BAND POLARIMETRIC RADAR SIGNATURES</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: MOP.P6: Clouds and Precipitation: Ground-based Sensing</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Abhishek Kodilkar, Arvind Agarwal, Mcr Kalapureddy, J.S Pillai</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L2.3 Paper Number: 3497</p> <p>Title: Representation-based Hyperspectral Image Classification with Imbalanced Data</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: WE3.L2: Classification of Hyperspectral Image II</p>

	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Jiaojiao Li, Qian Du, Wei Li, Yunsong Li
View ADD <input type="checkbox"/>	Paper Code: TH2.L5.3 Paper Number: 3499
	Title: RELATIONSHIP BETWEEN VEGETATION OPTICAL DEPTH AND EFFECTIVE OPTICAL DEPTH USING SIMULATED DATA
	Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass
	Session: TH2.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Yunqing Li, Jiancheng Shi
View ADD <input type="checkbox"/>	Paper Code: MO4.L3.3 Paper Number: 3501
	Title: VERY DEEP LEARNING FOR SHIP DISCRIMINATION IN SYNTHETIC APERTURE RADAR IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MO4.L3: Ship Detection
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Colin Peter Schwegmann, Waldo Kleynhans, Brian Salmon, Lizwe Mdakane, Rory Meyer
View ADD <input type="checkbox"/>	Paper Code: WE2.L6.3 Paper Number: 3502
	Title: WHEN TO FUSE WHAT? RANDOM FOREST BASED FUSION OF LOW-, MID-, AND HIGH-LEVEL INFORMATION FOR LAND COVER CLASSIFICATION FROM OPTICAL AND SAR IMAGES
	Topic: Invited Sessions: Data Fusion
	Session: WE2.L6: Data Fusion II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Ronny Hänsch, Olaf Hellwich
View ADD <input type="checkbox"/>	Paper Code: MOP.P21.118 Paper Number: 3503
	Title: EXAMINING GMI INTERCALIBRATION DEPENDENCE ON THE FULL DYNAMIC RANGE OF BRIGHTNESS TEMPERATURE USING COLD AND WARM END TIE POINTS
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P21: Microwave Radiometry
	Time: Monday, July 11, 17:20 - 19:00
	Authors: John Xun Yang, Darren McKague, Christopher Ruf, Hu Yang, Fuzhong Weng

View ADD <input type="checkbox"/>	Paper Code: TH1.L11.5 Paper Number: 3504
	Title: SATELLITE REMOTE SENSING OF AEROSOL OPTICAL DEPTH, SO2 AND NO2 OVER CHINA'S BEIJING-TIANJIN-HEBEI REGION DURING 2002-2013
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: TH1.L11: Aerosols and Atmospheric Chemistry I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Kai Qin, Mingyu Hu, Lixin Wu, Lanlan Rao, Hongmei Lang, Luyao Wang, Bai Yang
View ADD <input type="checkbox"/>	Paper Code: TU1.L2.4 Paper Number: 3506
	Title: AN APPROACH TO CONIFER SPECIES CLASSIFICATION BASED ON CROWN STRUCTURE MODELING IN HIGH DENSITY AIRBORNE LIDAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TU1.L2: LIDAR Feature Extraction and Analysis
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Aravind Harikumar, Francesca Bovolo, Lorenzo Bruzzone
View ADD <input type="checkbox"/>	Paper Code: TH4.L9.3 Paper Number: 3507
	Title: HIGH RATE INTERFERENCE PATTERN TECHNIQUE APPLIED TO REAL TIME ALTIMETRY
	Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)
	Session: TH4.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Jean-Christophe Kucwaj, Georges Stienne, Serge Reboul, Jean-Bernard Choquel, Mohammed Benjelloun
View ADD <input type="checkbox"/>	Paper Code: FR1.L1.4 Paper Number: 3508
	Title: A PDF-BASED SLIC SUPERPIXEL ALGORITHM FOR SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: FR1.L1: SAR Imaging Techniques VII
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Huanxin Zou, Xianxiang Qin, Hongyan Kang, Shilin Zhou, Kefeng Ji

View ADD <input type="checkbox"/>	Paper Code: MOP.P35.224 Paper Number: 3509
	Title: FREESAR, AN INNOVATIVE SAR DATA PROCESSING FRAMEWORK
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P35: SAR Imaging Techniques VIII
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Davide D'Aria, Riccardo Piantanida, Antonio Valentino, Davide Riva

View ADD <input type="checkbox"/>	Paper Code: MO4.L7.3 Paper Number: 3511
	Title: ESTIMATING REGIONAL EVAPOTRANSPIRATION UNDER WATER-LIMITED CONDITIONS BASED ON SEBS AND MODIS DATA IN ARID REGIONS
	Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration
	Session: MO4.L7: Remote Sensing of Land Surface Evapotranspiration II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Chunlin Huang, Yan Li, Juan Gu, Ling Lu, Xin Li

View ADD <input type="checkbox"/>	Paper Code: MOP.P20.113 Paper Number: 3512
	Title: EARTH ANTENNA TEMPERATURE VARIABILITY FOR CYGNSS
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P20: Microwave Radiometer Calibration and Emerging Techniques
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Mary Morris, David Chen, Christopher Ruf

View ADD <input type="checkbox"/>	Paper Code: THP.P25.133 Paper Number: 3513
	Title: DISCOVERY OF GOLD MINERALIZATION ASSOCIATED WITH ADVANCED ARGILLIC ZONE BY AIRBORNE HYPERSETRAL DATA IN XUEMISITAN AREA, XINJIANG, CHINA
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P25: Remote Sensing in Mining
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Fawang Ye

View ADD <input type="checkbox"/>	Paper Code: TU4.L1.2 Paper Number: 3514
	Title: SAR TOMOGRAPHY AS AN ADD-ON TO PSI: GAIN IN DEFORMATION SAMPLING VIS-A-VIS QUALITY OF THE DETECTED

	<p>SCATTERERS</p> <p>Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques</p> <p>Session: TU4.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques II</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Muhammad Adnan Siddique, Urs Wegmüller, Irena Hajnsek, Othmar Frey</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P38.241 Paper Number: 3515</p> <p>Title: ROAD EXTRACTION BASE ON ZERNIKE ALGORITHM ON SAR IMAGE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P38: Urban Targets and Roads</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Huilin Mu, Yun Zhang, Hongbo Li, Yiran Guo, Yuan Zhuang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L4.4 Paper Number: 3516</p> <p>Title: IMPROVING SMOS SOIL MOISTURE ALGORITHM PERFORMANCE IN FORESTED AREAS WITH MULTISENSOR SAR DATA</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TU3.L4: Passive Microwave Satellite Products</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Jaakko Seppänen, Jaan Praks, Oleg Antropov</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L11.4 Paper Number: 3518</p> <p>Title: CENTI- AND MILLIMETER-WAVE ATMOSPHERIC TRANSMITTANCE ESTIMATION AND ANALYSIS OVER CHINA</p> <p>Topic: Atmosphere Applications: Precipitation and Clouds</p> <p>Session: TU2.L11: Clouds and Precipitation II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Lijuan Shi, Yubao Qiu, Jiancheng Shi, Juha Lemmetyinen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P35.220 Paper Number: 3519</p> <p>Title: A SPACEBORNE SAR ON-BOARD PROCESSING SIMULATOR USING MOBILE GPU</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P35: SAR Imaging Techniques VIII</p>

	Time: Monday, July 11, 17:20 - 19:00
	Authors: Hanyuan Tang, Guojun Li, Fan Zhang, Wei Hu, Wei Li
View	Paper Code: TH2.L1.4 Paper Number: 3521
ADD <input type="checkbox"/>	Title: ENHANCED PROCESSING OF SENTINEL-1 TOPSAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: TH2.L1: SAR Imaging Techniques IV
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Davide Giudici, Simone Mancon, Andrea Monti-Guarnieri, Riccardo Piantanida, Giorgio Prandi, Lisa Recchia, Andrea Recchia
View	Paper Code: WEP.P34.189 Paper Number: 3522
ADD <input type="checkbox"/>	Title: LEARNING TASK-DRIVEN POLARIMETRIC TARGET DECOMPOSITION: A NEW PERSPECTIVE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P34: POL and POLInSAR V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Zaidao Wen, Biao Hou, Shuang Wang, Licheng Jiao
View	Paper Code: WEP.P42.233 Paper Number: 3524
ADD <input type="checkbox"/>	Title: IMPROVED SNOW COVER MONITORING METHOD BASED ON HJ-1B INFRARED DATA
	Topic: Cryosphere: Snow Cover
	Session: WEP.P42: Snow Cover III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Qingqing Huang, Yu Meng, Jiancheng Li, Anzhi Yue, Jiansheng Chen, Xiaoyi Liu, Lei Lin
View	Paper Code: FR4.L11.1 Paper Number: 3526
ADD <input type="checkbox"/>	Title: SAR/OPTICAL DATA FUSION FOR FLOOD DETECTION
	Topic: Land Applications: Inland Waters
	Session: FR4.L11: Inland Waters
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Annarita D'Addabbo, Alberto Refice, Guido Pasquariello, Francesco Paolo Lovergine
View	Paper Code: WE3.L9.3 Paper Number: 3527
ADD <input type="checkbox"/>	Title: TERRESTRIAL WATER CYCLE IN SOUTH AND EAST ASIA: HYDROSPHERIC AND CRYOSPHERIC DATA PRODUCTS

	<p>Topic: Invited Sessions: Dragon 3 Cooperation</p> <p>Session: WE3.L9: Dragon 3 Cooperation</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Massimo Menenti, Li Jia, Guangcheng Hu, Qinhuo Liu, Xiaozhou Xin, Laure Roupioz, Chaolei Zheng, Jie Zhou, Zhansheng Li, Robin Faivre, Hamid Ghafarian, Vu Hien Phan, Roderik Lindenbergh, Jing Li, Jianguang Wen, Li Li, Jing Zhao, Baocheng Dou</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L12.2 Paper Number: 3529</p> <p>Title: NEW SMOS SALINITY PRODUCTS AT CP34-BEC IN BARCELONA</p> <p>Topic: Oceans: Ocean Temperature and Salinity</p> <p>Session: WE2.L12: Ocean Temperature and Salinity</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Estrella Olmedo, Antonio Turiel, Joaquim Ballabrera-Poy, Justino Martínez, Portabella Marcos, González-Gambau Veronica, Gabarró Carolina, Fernando Pérez, Nina Hoareau, María Piles, Jordi Font</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P38.208 Paper Number: 3531</p> <p>Title: TWO-LEVEL ACTIVE LEARNING METHOD FOR DEBRIS DETECTION USING VHR SATELLITE IMAGERY AND LOCAL AERIAL SURVEYS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P38: Remote Sensing Images Classification</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Zhihua Xu, Persello Claudio, Mengmeng Li, Lixin Wu, Pengtianhao Wu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P17.92 Paper Number: 3532</p> <p>Title: Distributed Boosting for Cloud Detection</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P17: Deep, Semi-supervised, and Ensemble Learning for Image Classification</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Matthieu Le Goff, Jean-Yves Tournet, Herwig Wendt, Mathias Ortner, Marc Spigai</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L5.5 Paper Number: 3533</p> <p>Title: DEVELOPING A CLASSIFICATION METHOD FOR PERIODICALLY UPDATING AGRICULTURAL MAPS IN KENYA</p>

	Topic: Invited Sessions: Remote Sensing for Ecology
	Session: WE3.L5: Remote Sensing for Ecology I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Roberto Luciani, Giovanni Laneve, Munzer Jahjah
View ADD <input type="checkbox"/>	Paper Code: TUP.P7.38 Paper Number: 3534
	Title: SATELLITE IMAGE TIME SERIES CLUSTERING VIA AFFINITY PROPAGATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P7: Classification and Data Mining
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Zheng Zhang, Ping Tang, Thomas Corpetti
View ADD <input type="checkbox"/>	Paper Code: TUP.P27.144 Paper Number: 3536
	Title: A STUDY OF VEGETATION PHENOLOGY IN THE ANALYSIS OF URBANIZATION PROCESS BASED ON TIME-SERIES MODIS DATA
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P27: Land and Water Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jianbin Tao, Xiangbing Kong, Yu Wang, Ruiqing Chen
View ADD <input type="checkbox"/>	Paper Code: MO3.L1.1 Paper Number: 3537
	Title: SAR TOMOGRAPHY OF NATURAL ENVIRONMENTS: SIGNAL PROCESSING, APPLICATIONS, AND FUTURE CHALLENGES
	Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications
	Session: MO3.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Stefano Tebaldini, Fabio Rocca, Andreas Reigber, Laurent Ferro-Famil
View ADD <input type="checkbox"/>	Paper Code: TH2.L5.1 Paper Number: 3538
	Title: SMOS FOREST OPTICAL DEPTH INTERCOMPARISONS OVER PAN-TROPICAL BIOMES
	Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass
	Session: TH2.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass II
	Time: Thursday, July 14, 10:30 - 12:10

	Authors: Cristina Vittucci, Paolo Ferrazzoli, Yann Kerr, Philippe Richaume, Leila Guerriero, Gaia Vaglio Laurin
View ADD <input type="checkbox"/>	Paper Code: WEP.P7.38 Paper Number: 3539
	Title: MULTI-CHANNEL AZIMUTH RECONSTRUCTION OF HIGH RESOLUTION WIDE SWATH SAR VIA VANDERMONDE MATRIX
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Bistatic and digital beamforming SAR
	Session: WEP.P7: Bistatic and Digital Beamforming SAR II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Pu Cheng, Jianwei Wan, Qin Xin, Zhan Wang
View ADD <input type="checkbox"/>	Paper Code: WE4.L7.5 Paper Number: 3543
	Title: ACCURACY STUDIES OF SCATTERING BY SOIL AND OCEAN SURFACES BASED ON NUMERICAL SIMULATIONS USING NYSTROM METHOD
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling
	Session: WE4.L7: Rough Surface Scattering
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Tai Qiao, Tien-Hao Liao, Leung Tsang
View ADD <input type="checkbox"/>	Paper Code: MO3.L8.3 Paper Number: 3544
	Title: THE PRISMA MISSION
	Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News
	Session: MO3.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Laura Candela, Roberto Formaro, Rocchina Guarini, Rosa Loizzo, Francesco Longo, Giancarlo Varacalli
View ADD <input type="checkbox"/>	Paper Code: WE3.L9.4 Paper Number: 3545
	Title: DEVELOPMENT AND VALIDATION OF REMOTE SENSING PRODUCTS OF HYDROLOGICAL CYCLE TO CLOSE WATER BALANCE AT RIVER BASIN SCALE
	Topic: Invited Sessions: Dragon 3 Cooperation
	Session: WE3.L9: Dragon 3 Cooperation
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Xin Li, Shuguo Wang, Chunfeng Ma, Xiaoduo Pan, Xiaohua Hao, Rui Jin, Yanping Cao, Shaomin Liu, Chunlin Huang

View ADD <input type="checkbox"/>	Paper Code: TH2.L12.4 Paper Number: 3546
	Title: Perspectives for combining AND EXPLOITING ocean wave spectra measured from different space missions
	Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations
	Session: TH2.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations II
	Time: Thursday, July 14, 10:30 - 12:10
Authors: Alexis Mouche, Bertrand Chapron, Harald Johnsen, Fabrice Collard, He Wang, Gilles Guitton, Jinsong Yang, Romain Husson	

View ADD <input type="checkbox"/>	Paper Code: WE4.L2.2 Paper Number: 3547
	Title: URBAN LAND USE EXTRACTION FROM VERY HIGH RESOLUTION REMOTE SENSING IMAGES BY BAYESIAN NETWORK
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: WE4.L2: High Resolution Image Classification
	Time: Wednesday, July 13, 15:40 - 17:20
Authors: Mengmeng Li, Alfred Stein, Wietske Bijker	

View ADD <input type="checkbox"/>	Paper Code: THP.P14.72 Paper Number: 3550
	Title: UNCERTAINTY PROPAGATION FROM ATMOSPHERIC PARAMETERS TO SPARSE HYPERSPECTRAL UNMIXING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P14: Hyperspectral Data Processing and Analysis
	Time: Thursday, July 14, 17:20 - 19:00
Authors: Marian-Daniel Iordache, Nitin Bhatia, Jose Bioucas-Dias, Antonio Plaza	

View ADD <input type="checkbox"/>	Paper Code: WE3.L7.1 Paper Number: 3551
	Title: SCATTERING PHENOMENOLOGY OF ARCTIC LAKE ICE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling
	Session: WE3.L7: Electromagnetic Theory
	Time: Wednesday, July 13, 13:30 - 15:10
Authors: Jiangfeng Wu, Don Atwood, Kamal Sarabandi	

View ADD <input type="checkbox"/>	Paper Code: FR2.L1.3 Paper Number: 3552
	Title: TIME SERIES INSAR TECHNIQUES TO ESTIMATE DEFORMATION IN A LANDSLIDE-PRONE AREA IN HARIDWAR

	<p>REGION, INDIA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: FR2.L1: Deformation Application</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Manoj Kuri, Atanu Bhattacharya, Manoj K. Arora, M. L. Sharma</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L9.2Paper Number: 3553</p> <p>Title: THE GNSS REFLECTOMETRY RESPONSE TO THE OCEAN SURFACE</p> <p>Topic: Mission, Sensors and Calibration: GNSS-R Sensors</p> <p>Session: TH2.L9: Recent Advances in GNSS-R</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Paul Chang, Zorana Jelenak, Seubson Soisuvarn, Faozi Said</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P1.4Paper Number: 3554</p> <p>Title: Particle Swarm Optimization-based Band Selection for Hyperspectral Target Detection</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P1: Hyperspectral Target Detection</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Yan Xu, Qian Du, Nicolas Younan</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P4.21Paper Number: 3555</p> <p>Title: MONITORING OF RICE PHENOLOGY AND AGRICULTURAL PRACTICES FROM HIGH RESOLUTION REMOTE SENSING DATA</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P4: Computational Techniques in Agriculture</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Dominique Courault, Françoise Ruget, Halima Talab-Ou-Ali, Olivier Hagolle, Sylvestre Delmotte, Jean-Marc Barbier, Mirco Boschetti, Jean-Claude Mouret</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L12.5Paper Number: 3556</p> <p>Title: COMPARISON OF HYBRID SEA SURFACE TEMPERATURE (SST) WITH EMPIRICAL REGRESSION SST IN THE SEAS AROUND KOREA</p> <p>Topic: Oceans: Ocean Temperature and Salinity</p> <p>Session: WE2.L12: Ocean Temperature and Salinity</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p>

	Authors: Kyung-Ae Park, Eun-Young Lee, Hye-Jin Woo
View ADD <input type="checkbox"/>	Paper Code: WE2.L2.1 Paper Number: 3557
	Title: GETTING PIXELS AND REGIONS TO AGREE WITH CONDITIONAL RANDOM FIELDS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: WE2.L2: Pseudo Pixel Based Image Classification
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Devis Tuia, Michele Volpi, Gabriele Moser
View ADD <input type="checkbox"/>	Paper Code: FR1.L2.3 Paper Number: 3558
	Title: SHIPS AS SALIENT OBJECTS IN SYNTHETIC APERTURE RADAR IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image Segmentation
	Session: FR1.L2: Image Segmentation
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Colin Peter Schwegmann, Waldo Kleynhans, Brian Salmon, Lizwe Mdakane, Rory Meyer
View ADD <input type="checkbox"/>	Paper Code: MOP.P42.265 Paper Number: 3560
	Title: VEGETATION FRACTION INVERSION AND INFLUENCE ANALYSIS OF ANNUAL EPHEMERAL PLANTS ON SANDY LAND EVALUATION
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P42: Vegetation Monitoring III
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Junjun Wu, Zhihai Gao, Bo Zhong, Zengyuan Li, Qinhua Liu, Xiangyuan Ding, Bin Sun
View ADD <input type="checkbox"/>	Paper Code: TU2.L4.1 Paper Number: 3561
	Title: SMOS AFTER SIX YEARS IN OPERATIONS: FIRST GLANCE AT CLIMATIC TRENDS AND ANOMALIES
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU2.L4: Passive Microwave Soil Moisture I
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Yann Kerr, Ali Mahmoodi, Ahmad Al Bitar, Arnaud Mialon, Simone Bircher, Beatriz Molero, Philippe Richaume, François Cabot, Nemesio Rodriguez-Fernandez, Marie Parrens, Amen Al-Yaari, Jean-Pierre Wigneron

View ADD <input type="checkbox"/>	Paper Code: WE3.L7.2 Paper Number: 3562
	Title: A TIME-SERIES ACTIVE LAYER THICKNESS RETRIEVAL ALGORITHM USING P- AND L-BAND SAR OBSERVATIONS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Electromagnetic Modelling
	Session: WE3.L7: Electromagnetic Theory
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Richard H. Chen, Alireza Tabatabaeenejad, Mahta Moghaddam
View ADD <input type="checkbox"/>	Paper Code: WE2.L7.2 Paper Number: 3563
	Title: EVALUATION OF THREE LEAF AREA INDEX RETRIEVAL ALGORITHMS WITH GROUND BASED MEASUREMENTS
	Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain
	Session: WE2.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Weiliang Fan, Qinhuo Liu, Jing Li
View ADD <input type="checkbox"/>	Paper Code: MO4.L9.1 Paper Number: 3564
	Title: THE CUBESAT RADIOMETER RADIO FREQUENCY INTERFERENCE TECHNOLOGY VALIDATION (CUBERT) MISSION
	Topic: Invited Sessions: Microwave Remote Sensing and Radio-Frequency Interference
	Session: MO4.L9: Radio Frequency Interference in Microwave Remote Sensing and Radio Astronomy
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Joel Johnson, Chi-Chih Chen, Andrew O'Brien, Graeme Smith, Christa McKelvey, Mark Andrews, Christopher Ball, Sidharth Misra, Shannon Brown, Jonathan Kocz, Robert Jarnot, Damon Bradley, Priscilla Mohammed, Jared Lucey, Jeffrey Piepmeier
View ADD <input type="checkbox"/>	Paper Code: TUP.P14.75 Paper Number: 3565
	Title: APPLICATION OF DIGITAL ELEVATION MODEL FOR ESTIMATION OF AIRBORNE PLATFORM WITH DATA FUSION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P14: Data Fusion Techniques: Denoising, Compression and Registration
	Time: Tuesday, July 12, 17:20 - 19:00

	Authors: Gowtham Kuppudurai, Kyu-young Hwang, Hyeon-gyu Park, Youngwook Kim
View ADD <input type="checkbox"/>	Paper Code: MOP.P32.201 Paper Number: 3566
	Title: FMCW SAR: from design to realization
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P32: SAR Imaging Techniques V
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Wenge Chang, Haishan Tian, Chengfei Gu
View ADD <input type="checkbox"/>	Paper Code: WE4.L12.5 Paper Number: 3567
	Title: SEA ICE CLASSIFICATION USING COMPACT POLARIZED SAR
	Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations
	Session: WE4.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Haiyan Li, William Perrie
View ADD <input type="checkbox"/>	Paper Code: TU3.L2.2 Paper Number: 3568
	Title: A COMPARATIVE STUDY ON MULTIPLE KERNEL LEARNING FOR REMOTE SENSING IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TU3.L2: Learning Based Image Classification
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Saeid Niazmardi, Begüm Demir, Lorenzo Bruzzone, Abdolreza Safari, Saeid Homayouni
View ADD <input type="checkbox"/>	Paper Code: MOP.P20.117 Paper Number: 3569
	Title: REBUILD THE INSTRUMENT MOUNTING MATRIX FOR MICROWAVE INSTRUMENT ON-ORBIT GEOMETRIC CALIBRATION
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P20: Microwave Radiometer Calibration and Emerging Techniques
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jun Zhou, Hu Yang, Fuzhong Weng
View	Paper Code: MO3.L9.5 Paper Number: 3571

ADD <input type="checkbox"/>	<p>Title: ON THE ENHANCEMENT OF THE SMOS SALINITY PRODUCTS AT CP34-BEC: FROM L0 TO L4</p> <p>Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration</p> <p>Session: MO3.L9: L-band Microwave Radiometry</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Antonio Turiel, Verónica González-Gambau, Estrella Olmedo, Justino Martínez, Joaquim Ballabrera-Poy, Marcos Portabella</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P13.73Paper Number: 3572</p> <p>Title: CONVOLUTIONAL NEURAL NETWORKS FOR NEAR REAL-TIME OBJECT DETECTION FROM UAV IMAGERY IN AVALANCHE SEARCH AND RESCUE OPERATIONS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P13: Disaster and Anomaly Detection</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Mesay Belete Bejiga, Abdallah Zeggada, Farid Melgani</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE1.L6.4Paper Number: 3573</p> <p>Title: Optimal Transport for Data Fusion in Remote Sensing</p> <p>Topic: Invited Sessions: Data Fusion</p> <p>Session: WE1.L6: Data Fusion I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Nicolas Courty, Rémi Flamary, Devis Tuia, Thomas Corpetti</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU1.L5.1Paper Number: 3577</p> <p>Title: EXPLORING THE FEASIBILITY OF GLOBAL MAPPING OF THE LEAF CARBOXYLATION RATE</p> <p>Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function</p> <p>Session: TU1.L5: Remote Sensing of Vegetation Traits and Function I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Jing Chen, Holly Croft, Ting Zheng</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR1.L11.2Paper Number: 3578</p> <p>Title: SAR COHERENCE AND POLARIMETRIC INFORMATION FOR IMPROVING FLOOD MAPPING</p> <p>Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution</p> <p>Session: FR1.L11: Floods</p>

	Time: Friday, July 15, 08:20 - 10:00
	Authors: Marco Chini, Asterios Papastergios, Luca Pulvirenti, Nazzareno Pierdicca, Patrick Matgen, Issaak Parcharidis
View ADD <input type="checkbox"/>	Paper Code: TUP.P5.26 Paper Number: 3579
	Title: SEMI-SUPERVISED MULTIVIEW FEATURE SELECTION WITH LABEL LEARNING FOR VHR REMOTE SENSING IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P5: Analysis of Multi-view Data
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Xi Chen, Wei Liu, Fulin Su, Guofan Shao
View ADD <input type="checkbox"/>	Paper Code: TU2.L5.4 Paper Number: 3580
	Title: ACCURACY ASSESSMENT ON RECONSTRUCTION ALGORITHMS OF SOLAR-INDUCED FLUORESCENCE SPECTRUM
	Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function
	Session: TU2.L5: Remote Sensing of Vegetation Traits and Function II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Rong Li, Feng Zhao
View ADD <input type="checkbox"/>	Paper Code: FR4.L11.2 Paper Number: 3582
	Title: CREATING A WATER DEPTH MAP FROM SAR FLOOD EXTENT AND TOPOGRAPHY DATA
	Topic: Land Applications: Inland Waters
	Session: FR4.L11: Inland Waters
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Patrick Matgen, Laura Giustarini, Marco Chini, Renaud Hostache, Melissa Wood, Stefan Schläffer
View ADD <input type="checkbox"/>	Paper Code: TUP.P9.49 Paper Number: 3583
	Title: A MODIFIED PTSVM CLASSIFICATION APPROACH FOR HYPERSPPECTRAL IMAGE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P9: Classification of Hyperspectral Image IV
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Kun Shang, Xia Zhang
View	Paper Code: WE4.L3.4 Paper Number: 3586

ADD <input type="checkbox"/>	<p>Title: AN OPTIMIZATION OF PARAMETER SETTINGS IN HANTS FOR GLOBAL NDVI TIME SERIES RECONSTRUCTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: WE4.L3: Analysis of Image Time Series: Optical Sensors I</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Jie Zhou, Li Jia, Mattijn van Hoek, Massimo Menenti, Jing Lu, Guangcheng Hu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P39.210 Paper Number: 3587</p> <p>Title: PHYSICALLY-BASED RETRIEVAL OF SMAP ACTIVE-PASSIVE MEASUREMENTS COVARIATION AND VEGETATION STRUCTURE PARAMETERS</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P39: SMAP Soil Moisture II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Thomas Jagdhuber, Dara Entekhabi, Alexandra G. Konings, Kaighin A. McColl, Seyed Hamed Alemohammad, Narendra Das, Carsten Montzka, María Piles</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L5.4 Paper Number: 3588</p> <p>Title: MULTI-FREQUENCY INVESTIGATION INTO SCATTERING FROM VEGETATION OVER THE GROWTH CYCLE</p> <p>Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass</p> <p>Session: TH2.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Mehmet Kurum, Roger Lang, Mark Tentindo, Peggy O'Neill, Alicia Joseph, Manohar Deshpande, Michael Cosh</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P27.146 Paper Number: 3589</p> <p>Title: PRESCREENING AND DISCRIMINATION OF MARITIME TARGETS IN SINGLE-CHANNEL SAR IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P27: SAR Data Processing and Target Detection</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Alfredo Renga, Maria Daniela Graziano, Antonio Moccia</p>
View	<p>Paper Code: MOP.P16.88 Paper Number: 3591</p>

ADD <input type="checkbox"/>	<p>Title: EFFECTS OF SHADOW CORRECTION ON VEGETATION AND LAND COVER CLASSIFICATION FROM HIGH RESOLUTION AERIAL IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P16: High Resolution Images Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Teemu Kumpumäki, Tarmo Lipping</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L2.5Paper Number: 3592</p> <p>Title: MULTILABEL CLASSIFICATION OF UAV IMAGES WITH CONVOLUTIONAL NEURAL NETWORKS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TH1.L2: Neural Network Based Classification</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Abdallah Zeggada, Farid Melgani</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L8.5Paper Number: 3593</p> <p>Title: SATELLITE DATA ASSIMILATION FOR SOCIETAL BENEFITS</p> <p>Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet</p> <p>Session: TH2.L8: International Operational Satellite Missions to Monitor the Planet II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Fuzhong Weng, Xiaolei Zou, Lihang Zhou, Mitch Goldberg</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P19.108Paper Number: 3594</p> <p>Title: CALIBRATING THE EFFECTIVE SCATTERING ALBEDO IN THE SMOS ALGORITHM: SOME FIRST RESULTS</p> <p>Topic: Mission, Sensors and Calibration: Satellite Missions</p> <p>Session: MOP.P19: Microwave and Optical Calibration</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Roberto Fernández Morán, Jean-Pierre Wigneron, Gabrielle De Lannoy, Ernesto Lopez-Baeza, Arnaud Mialon, Mahmoodi Ali, Marie Parrens, Ahmad Al Bitar, Philippe Richaume, Yann Kerr</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR3.L11.4Paper Number: 3595</p> <p>Title: REMOTE SENSING PRODUCTS VALIDATION ACTIVITY AND OBSERVATION NETWORK IN CHINA</p>

	<p>Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics</p> <p>Session: FR3.L11: Interdisciplinary Topics</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Rui Jin, Xin Li, Mingguo Ma, Yong Ge, Tao Che, Qing Xiao, Kai Zhao, Xiaoping Xin</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P35.191 Paper Number: 3596</p> <p>Title: Moisture Retrieval Based on an Optimized Least Squares Support Vector Machine Model</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P35: Passive Microwave Soil Moisture III</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Xinying Shi, Youfei Zhang, Haogang Wang, Jiancheng Shi</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P14.71 Paper Number: 3598</p> <p>Title: REMOTE SENSING ANALYSIS OF THE EXTENT AND SEVERITY OF OAK DECLINE IN MALEKSHAHI CITY, ILAM, IRAN</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion</p> <p>Session: TUP.P14: Data Fusion Techniques: Denoising, Compression and Registration</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Sadra Imanyfar, Mahdi Hasanlou, Mahdi Motagh</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L5.3 Paper Number: 3600</p> <p>Title: ALONG THE SEASON CROP CLASSIFICATION IN UKRAINE BASED ON TIME SERIES OF OPTICAL AND SAR IMAGES USING ENSEMBLE OF NEURAL NETWORK CLASSIFIERS</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: FR2.L5: Computational Techniques for Crop Monitoring and Classification</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Nataliia Kussul, Mykola Lavreniuk, Andrii Shelestov, Bohdan Yailymov</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L4.3 Paper Number: 3601</p> <p>Title: TIME SERIES INVESTIGATION OF SOIL MOISTURE ESTIMATION USING COMPACT POLARIMETRY AT L-BAND</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TU4.L4: Radar Soil Moisture I</p>

	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Ponnurangam Gramini Ganesan, Thomas Jagdhuber, Irena Hajsek, Rao Y.S.
View ADD <input type="checkbox"/>	Paper Code: TUP.P2.12 Paper Number: 3602
	Title: EVOLUTION OF TEMPERATURE OF A CASE-II WATER AND AN INLAND LAKE AROUND THE WEIHAI AREA, SHANDONG PROVINCE BETWEEN 1994 AND 2014
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P2: Analysis of Image Time Series
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Feng Zihang, Nina Kristine Boesche, Chaonan Ji, Hermann Kaufmann
View ADD <input type="checkbox"/>	Paper Code: WEP.P15.89 Paper Number: 3603
	Title: Multispectral Image Enhancement with Extended Offset-sparsity Decomposition
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P15: Estimation and Regression Techniques
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Long Tian, Qian Du, Nicolas Younan, Ivica Kopriva
View ADD <input type="checkbox"/>	Paper Code: FR3.L7.5 Paper Number: 3604
	Title: SUITABILITY OF REMOTE SENSING BASED SURFACE INFORMATION FOR A THREE-DIMENSIONAL URBAN MICROCLIMATE MODEL
	Topic: Land Applications: Urban and Built Environment
	Session: FR3.L7: Optical Urban Remote Sensing
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Wieke Heldens, Uta Heiden, Thomas Esch, Andreas Müller, Stefan Dech
View ADD <input type="checkbox"/>	Paper Code: TH3.L9.5 Paper Number: 3605
	Title: ALTIMETRIC PERFORMANCE OF THE GEROS EXPERIMENT AT THE ISS
	Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)
	Session: TH3.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) I
	Time: Thursday, July 14, 13:30 - 15:10

	Authors: Adriano Camps, Hyuk Park, Raúl Onrubia, Daniel Pascual, Jorge Querol, Alberto Alonso-Arroyo, Javier Benito, Ana Andres-Beivide, Sergio Moreno, Xabier Ballesteros, Marc Segarra, Roger Vilaseca, Antonio Rius, Manuel Martín-Neira
View ADD <input type="checkbox"/>	Paper Code: MOP.P31.193 Paper Number: 3607
	Title: SAR SCATTERING AND IMAGING WITH FOCUSING BY AN EXTENDED TARGET MODEL
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P31: SAR Imaging Techniques IX
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Chiung-Shen Ku, Kun-Shan Chen, Saibun Tjuatja, Pao-Chi Chang, Yang-Lang Chang
View ADD <input type="checkbox"/>	Paper Code: FR4.L7.3 Paper Number: 3610
	Title: RISK OF BUILDING DAMAGE BY MODELING INTERFEROMETRIC TIME SERIES
	Topic: Land Applications: Urban and Built Environment
	Session: FR4.L7: SAR Urban Remote Sensing
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Vania Cerchiello, Giulia Tessari, Emma Velterop, Paolo Riccardi, Marco Defilippi, Paolo Pasquali
View ADD <input type="checkbox"/>	Paper Code: THP.P28.153 Paper Number: 3611
	Title: ACCELERATING PHASE UNWRAPPING BASED ON INTEGER LINEAR PROGRAMMING BY PROCESSING OF SUBGRAPHS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P28: SAR Interferometry I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Markus Even
View ADD <input type="checkbox"/>	Paper Code: TH2.L9.3 Paper Number: 3612
	Title: SYNOPTIC CAPABILITIES OF THE GNSS-R INTERFEROMETRIC TECHNIQUE WITH THE SPIR INSTRUMENT
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: TH2.L9: Recent Advances in GNSS-R
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Fran Fabra, Estel Cardellach, Serni Ribó, Weiqiang Li, Antonio Rius, Jaan Praks, Erkkka Rouhe, Jaakko Seppänen, Manuel Martín-Neira

View ADD <input type="checkbox"/>	Paper Code: WE3.L11.3 Paper Number: 3614
	Title: SECOND-ORDER IONOSPHERIC EFFECTS ON IONOSPHERIC ELECTRON DENSITY ESTIMATION FROM GPS RADIO OCCULTATION
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WE3.L11: Atmospheric Sounding Sensors
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Junhai Li, Shuanggen Jin
View ADD <input type="checkbox"/>	Paper Code: WE4.L2.4 Paper Number: 3617
	Title: HIGH DIMENSIONAL KULLBACK-LEIBLER DIVERGENCE FOR GRASSLAND MANAGEMENT PRACTICES CLASSIFICATION FROM HIGH RESOLUTION SATELLITE IMAGE TIME SERIES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: WE4.L2: High Resolution Image Classification
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Mailys Lopes, Mathieu Fauvel, Stéphane Girard, David Sheeren
View ADD <input type="checkbox"/>	Paper Code: TU2.L2.2 Paper Number: 3618
	Title: MACHINE-LEARNING BASED DETECTION OF CORRESPONDING INTEREST POINTS IN OPTICAL AND SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TU2.L2: Feature Extraction and Application
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Ronny Hänsch, Olaf Hellwich, Xiaohong Tu
View ADD <input type="checkbox"/>	Paper Code: THP.P40.230 Paper Number: 3619
	Title: 3D MODELING OF RADIATIVE TRANSFER AND ENERGY BALANCE IN URBAN CANOPIES COMBINED TO REMOTE SENSING ACQUISITIONS
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P40: Urban Applications I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Lucas Landier, Ahmad Al Bitar, Nicolas Lauret, Jean-Philippe Gastellu-Etchegorry, Sylvain Aubert, Zina Mitraka, Christian Feigenwinter, Eberhard Parlow, Wieke Heldens, Simone Kotthaus, Sue Grimmond, Fredrik Lindberg, Nektarios Chrysoulakis
View	Paper Code: MOP.P43.271 Paper Number: 3620

ADD <input type="checkbox"/>	<p>Title: VEHICLE DETECTION FROM AERIAL COLOR IMAGERY AND AIRBORNE LIDAR DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MOP.P43: Vehicle and Aircraft Detection</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yansong Liu, Sildomar Monteiro, Eli Saber</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU2.L9.3Paper Number: 3622</p> <p>Title: SEA ICE DETECTION USING GNSS-R DATA FROM UK TDS-1</p> <p>Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors</p> <p>Session: TU2.L9: Remote Sensing using GNSS-like Signals and Other Sensors II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Alberto Alonso-Arroyo, Valery Zavorotny, Adriano Camps</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU1.L9.3Paper Number: 3623</p> <p>Title: SOIL MOISTURE AND VEGETATION IMPACT IN GNSS-R TECHDEMOSAT-1 OBSERVATIONS</p> <p>Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors</p> <p>Session: TU1.L9: Remote Sensing using GNSS-like Signals and Other Sensors I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Adriano Camps, Hyuk Park, Miriam Pablos, Giuseppe Foti, Christine Gommenginger, Pang-Wei Liu, Jasmeet Judge</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L1.5Paper Number: 3625</p> <p>Title: AUTOMATED EXTRACTION OF 3-D GROUND CONTROL POINTS FROM SAR IMAGES - AN UPCOMING NOVEL DATA PRODUCT</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH2.L1: SAR Imaging Techniques IV</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Ulrich Balss, Hartmut Runge, Steffen Suchandt, Xiao Ying Cong</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR4.L4.1Paper Number: 3626</p> <p>Title: THE RECOVERY ICE STREAM: SYNERGY OF SATELLITE AND AIRBORNE REMOTE SENSING FOR FLOW DYNAMICS</p>

	<p>Topic: Cryosphere: Ice Sheets and Glaciers</p> <p>Session: FR4.L4: Ice Sheets and Glaciers II</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Dana Floricioiu, Wael Abdel Jaber, Michael Baessler, Veit Helm, Kenneth Jezek</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L9.3 Paper Number: 3628</p> <p>Title: REVERSE-TIME MIGRATION AND FULL WAVEFROM INVERSION APPLIED TO A STATIONARY MIMO GPR SYSTEM</p> <p>Topic: Invited Sessions: Advanced Ground Penetrating Radar</p> <p>Session: FR2.L9: Advanced Ground Penetrating Radar II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Hai Liu, Yuxian Zhang, Qiu Chen, Feng Han, Qing Huo Liu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L5.2 Paper Number: 3629</p> <p>Title: SELECTION OF ADDITIONAL TRAINIG DATA FOR IMPROVING ACCURACY OF FOREST TYPE CLASSIFICATION USING HYPERSPECTRAL DATA</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: WE1.L5: Vegetation Monitoring by Optical Instruments I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Taichi Takayama, Akira Iwasaki</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L1.5 Paper Number: 3630</p> <p>Title: SAR ABSOLUTE RANGING – VALIDATION AND APPLICATION OF SAR GEODESY PROCESSOR USING ECMWF REANALYSIS AND OPERATIONAL DATA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: WE3.L1: SAR Imaging Techniques I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Xiaoying Cong, Ulrich Balss, Steffen Suchandt, Michael Eineder, Hartmut Runge</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L12.5 Paper Number: 3631</p> <p>Title: COASTAL WIND FIELDS ALONG THE KOREAN COAST FROM SAR DATA AND AIR-SEA INTERACTION</p> <p>Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications</p> <p>Session: TU1.L12: SAR Remote Sensing for Ocean Applications I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p>

	Authors: Kyung-Ae Park, Tae-Sung Kim
View ADD <input type="checkbox"/>	Paper Code: WE1.L2.5 Paper Number: 3632
	Title: HYPERSPECTRAL IMAGE CLASSIFICATION BASED ON DEEP STACKING NETWORK
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: WE1.L2: Classification of Hyperspectral Image I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Mingyi He, Xiaohui Li, Yifan Zhang, Jing Zhang, Weigang Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P38.206 Paper Number: 3633
	Title: IMPROVED GAUSSIAN MIXTURE MODEL WITH EXPECTATION-MAXIMIZATION FOR CLUSTERING OF REMOTE SENSING IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P38: Remote Sensing Images Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Victor-Emil Neagoe, Vlad Chirila-Berbentea
View ADD <input type="checkbox"/>	Paper Code: TU1.L9.4 Paper Number: 3634
	Title: CAN WE MEASURE VEGETATION WATER CONTENT AND VEGETATION OPACITY AT L-BAND WITH A SINGLE GPS RECEIVER?
	Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors
	Session: TU1.L9: Remote Sensing using GNSS-like Signals and Other Sensors I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Alberto Alonso-Arroyo, Jorge Querol, Adriano Camps, Raúl Onrubia, Hyuk Park, Daniel Pascual
View ADD <input type="checkbox"/>	Paper Code: MO3.L9.1 Paper Number: 3635
	Title: RESOLUTION ENHANCEMENT OF SMAP RADIOMETER DATA USING THE BACKUS GILBERT OPTIMUM INTERPOLATION TECHNIQUE
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MO3.L9: L-band Microwave Radiometry
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Julian Chaubell, Simon Yueh, Dara Entekhabi, Jinzheng Peng

View ADD <input type="checkbox"/>	Paper Code: MO3.L10.5 Paper Number: 3636
	Title: BIOMASS CHANGE IN DISTURBED, SECONDARY, AND PRIMARY TROPICAL FORESTS FROM TANDEM-X
	Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities
	Session: MO3.L10: TanDEM-X: Mission Status and Science Activities I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Robert Treuhaft, Maxim Neumann, Michael Keller, Fabio Goncalves, Joao Roberto dos Santos
View ADD <input type="checkbox"/>	Paper Code: WEP.P40.223 Paper Number: 3637
	Title: HIGH-LATITUDE FREEZE AND THAW STATES DETECTION USING SATELLITE-BASED MICROWAVE LAND SURFACE EMISSIVITY ESTIMATES
	Topic: Cryosphere: Snow Cover
	Session: WEP.P40: Snow Cover and Frozen/Thaw
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Hamidreza Norouzi, Satya Prakash, Marzi Azarderakhsh, Reginald Blake, Christian Campo
View ADD <input type="checkbox"/>	Paper Code: WE4.L1.1 Paper Number: 3638
	Title: EVALUATION OF RISAT-1 COMPACT POLARIZATION DATA FOR CALIBRATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: WE4.L1: SAR Imaging Techniques II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Rao S Yalamanchili, Peter Meadows, Vineet Kumar
View ADD <input type="checkbox"/>	Paper Code: MO3.L12.4 Paper Number: 3639
	Title: INSTRUMENT PERFORMANCE AND CROSS CALIBRATION OF FY-3C MWRI
	Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites
	Session: MO3.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Shengli Wu, Jie Chen
View	Paper Code: TU2.L1.5 Paper Number: 3640

ADD <input type="checkbox"/>	<p>Title: APPLICATIONS OF SAR TOMOGRAPHY ON PERSISTENT SCATTERERS DETECTION, BASED ON BEAM-FORMING FILTERING</p> <p>Topic: Invited Sessions: Advances on Spaceborne SAR Imaging</p> <p>Session: TU2.L1: Advances on Spaceborne SAR Imaging II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Cosmin Danisor, Gianfranco Fornaro, Mihai Datcu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU3.L1.1 Paper Number: 3641</p> <p>Title: ADVANCED INTERFEROMETRIC AND 3-/4-/5-D TOMOGRAPHIC PROCESSING OF SAR DATA</p> <p>Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques</p> <p>Session: TU3.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques I</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Gianfranco Fornaro, Fabrizio Lombardini, Antonio Pauciuillo, Diego Reale, Federico Viviani</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR3.L7.4 Paper Number: 3642</p> <p>Title: EVALUATING THE USE OF MULTIPLE IMAGERY- DERIVED SPATIAL FEATURES TO PREDICT CENSUS DEMOGRAPHIC VARIABLES IN ACCRA, GHANA</p> <p>Topic: Land Applications: Urban and Built Environment</p> <p>Session: FR3.L7: Optical Urban Remote Sensing</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Ryan Engstrom, Andrew Copenhaver, Yang Qi</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE4.L2.5 Paper Number: 3643</p> <p>Title: SOLVING STRUCTURED SEGMENTATION OF AERIAL IMAGES AS PUZZLES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: WE4.L2: High Resolution Image Classification</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Diego Marcos, Michele Volpi, Devis Tuia</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO3.L5.1 Paper Number: 3644</p> <p>Title: MULTISOURCE ABOVEGROUND CARBON ESTIMATION OF FORESTS</p> <p>Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring</p>

	<p>Session: MO3.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: David G. Goodenough, Hao Chen, Shane Cloude, Piper Gordon</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L8.1 Paper Number: 3645</p> <p>Title: POTENTIAL APPLICATIONS OF SMALL SATELLITE MICROWAVE OBSERVATIONS FOR MONITORING AND PREDICTING HURRICANES AND TYPHOONS</p> <p>Topic: Invited Sessions: Earth Remote Sensing with Small Satellites</p> <p>Session: TH4.L8: Earth Remote Sensing with Small Satellites II</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Fuzhong Weng, Yuan Ma, Hu Yang, Xiaolei Zou</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L9.5 Paper Number: 3646</p> <p>Title: RFI DETECTION AND REMOVAL IN RANGE-TIME AZIMUTH-FREQUENCY DOMAIN</p> <p>Topic: Invited Sessions: Microwave Remote Sensing and Radio-Frequency Interference</p> <p>Session: MO4.L9: Radio Frequency Interference in Microwave Remote Sensing and Radio Astronomy</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Ryo Natsuaki, Manabu Watanabe, Takeshi Motohka, Shinichi Suzuki</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P5.27 Paper Number: 3647</p> <p>Title: DEVELOPMENT OF FAST LLR ALGORITHMS TO RETRIEVE ATMOSPHERIC PROFILES FROM IRAS/FY-3B INFRARED MEASUREMENTS</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WEP.P5: Atmospheric Sounding Algorithms</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Zhongyi Wang, Geng-Ming Jiang, Shanshan Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L9.4 Paper Number: 3648</p> <p>Title: A COMPREHENSIVE PERFORMANCE COMPARISON OF RFI MITIGATION TECHNIQUES FOR UWB RADAR SIGNALS</p> <p>Topic: Invited Sessions: Microwave Remote Sensing and Radio-Frequency Interference</p> <p>Session: MO4.L9: Radio Frequency Interference in Microwave Remote Sensing and Radio Astronomy</p>

	Time: Monday, July 11, 15:40 - 17:20
	Authors: Lam Nguyen, Trac Tran
View ADD <input type="checkbox"/>	Paper Code: WE2.L5.4 Paper Number: 3649
	Title: A METHOD FOR SPATIAL UPSCALING OF GROUND LAI MEASUREMENTS TO THE REMOTELY SENSED PRODUCT PIXEL GRID
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: WE2.L5: Vegetation Monitoring by Optical Instruments II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Baodong Xu, Jing Li, Qinhuo Liu, Yelu Zeng, Gaofei Yin, Weiliang Fan, Jing Zhao
View ADD <input type="checkbox"/>	Paper Code: FR4.L5.1 Paper Number: 3651
	Title: CONSTRUCTION AND APPLICATION OF THE DIAGNOSTIC INDICATOR SYSTEM OF WETLAND HEALTH BASED ON REMOTE SENSING
	Topic: Land Applications: Wetlands
	Session: FR4.L5: Wetlands and Inland Water
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Chunying Wu, Chunxiang Cao, Wei Chen, Rong Tian, Di Liu
View ADD <input type="checkbox"/>	Paper Code: TH4.L11.4 Paper Number: 3653
	Title: IMPROVING THE EXTRACTION OF CRISIS INFORMATION IN THE CONTEXT OF FLOOD, LANDSLIDE, AND FIRE RAPID MAPPING USING SAR AND OPTICAL REMOTE SENSING DATA
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: TH4.L11: Earthquake & Subsidence
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Claire Huber, Stephen Clandillon, Sandro Martinis, André Twele, Simon Plank, Jérôme Maxant, Wenxi Cao, Sadri Haouet, Hervé Yésou, Stéphane May
View ADD <input type="checkbox"/>	Paper Code: WE4.L3.5 Paper Number: 3654
	Title: A TIME-SERIES MODEL FOR CHARACTERIZING CONTINUOUS LAND COVER CHANGE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE4.L3: Analysis of Image Time Series: Optical Sensors I
	Time: Wednesday, July 13, 15:40 - 17:20

	Authors: Xiao-Peng Song
View ADD <input type="checkbox"/>	Paper Code: TH4.L7.1 Paper Number: 3655
	Title: EQUIPPING UNDERGRADUATE STEM MAJORS WITH GEOSCIENCE AND REMOTE SENSING TOOLS: A PATHWAY TO REPLENISHING THE GEOSCIENCE WORKFORCE
	Topic: Data Management and Education: Remote Sensing Data and Policy Decisions
	Session: TH4.L7: Remote Sensing Data and Policy Decisions
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Reginald A. Blake, Janet Liou-Mark, Hamidreza Norouzi
View ADD <input type="checkbox"/>	Paper Code: WEP.P40.220 Paper Number: 3656
	Title: HYDROLOGICAL APPLICATIONS OF SUPER RESOLUTION SWE PROCESSING SYSTEM OVER EUROPE
	Topic: Cryosphere: Snow Cover
	Session: WEP.P40: Snow Cover and Frozen/Thaw
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Matias Takala, Jaakko Ikonen, Kari Luojus, Juha Lemmetyinen, Sari Metsämäki, Jouni Pulliainen, Juval Cohen, Ali Arslan
View ADD <input type="checkbox"/>	Paper Code: TU4.L10.1 Paper Number: 3657
	Title: AN UPDATE ON THE NASA-ISRO DUAL-FREQUENCY DBF SAR (NISAR) MISSION
	Topic: Invited Sessions: Future Digital Beamforming SAR Missions
	Session: TU4.L10: Future Digital Beamforming SAR Missions
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Paul Rosen, Scott Hensley, Scott Shaffer, Wendy Edelstein, Yunjin Kim, Raj Kumar, Tapan Misra, Rakesh Bhan, Ramanna Satish, Raju Sagi
View ADD <input type="checkbox"/>	Paper Code: TU2.L5.1 Paper Number: 3658
	Title: Multi-angle narrow-band remote sensing of Gross Primary Production
	Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function
	Session: TU2.L5: Remote Sensing of Vegetation Traits and Function II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Forrest G. Hall, Thomas Hilker
View	Paper Code: TU2.L10.2 Paper Number: 3661

ADD <input type="checkbox"/>	<p>Title: SAR INTERFEROMETRY ANALYSIS OF VERY LARGE AREAS: RESULTS OVER THE ENTIRE ITALIAN TERRITORY</p> <p>Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities</p> <p>Session: TU2.L10: COSMO-SkyMed Mission: Current and Future Activities II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Mario Costantini, Federico Minati, Maria Grazia Ciminelli, Alessandro Ferretti, Fabrizio Novali, Salvatore Costabile</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU3.L2.4 Paper Number: 3663</p> <p>Title: ACTIVE LEARNING APPROACH FOR REMOTE SENSING IMAGERY CLASSIFICATION USING SPATIAL INFORMATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TU3.L2: Learning Based Image Classification</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Qian Shi, Xin Huang, Jiayi Li, Liangpei Zhang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU4.L1.3 Paper Number: 3664</p> <p>Title: 4D QUICK DIFF-TOMO ANALYSES OF SHORT-TERM DECORRELATION OF DISTRIBUTED SCATTERERS</p> <p>Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques</p> <p>Session: TU4.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques II</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Fabrizio Lombardini, Federico Viviani, Fabrizio Berizzi</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE2.L7.1 Paper Number: 3665</p> <p>Title: A canopy radiative transfer model suitable for heterogeneous agro-forestry scenes</p> <p>Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain</p> <p>Session: WE2.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Yelu Zeng, Jing Li, Qinhuo Liu, Gaofei Yin, Baodong Xu, Weiliang Fan, Jing Zhao</p>
View	<p>Paper Code: FR4.L10.2 Paper Number: 3666</p>

ADD <input type="checkbox"/>	<p>Title: PROPOSAL OF ADAPTIVE LAND CLASSIFICATION USING QUATERNION NEURAL NETWORK WITH ISOTROPIC ACTIVATION FUNCTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR4.L10: SAR Polarimetry II</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Kazutaka Kinugawa, Fang Shang, Naoto Usami, Akira Hirose</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR3.L5.3Paper Number: 3667</p> <p>Title: INCORPORATING YEARLY DERIVED WINTER WHEAT MAPS INTO WINTER WHEAT YIELD FORECASTING MODEL</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: FR3.L5: Remote Sensing for Crop Water and Yield Estimation</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Sergii Skakun, Belen Franch, Jean-Claude Roger, Eric Vermote, Inbal Becker-Reshef, Christopher Justice, Andres Santamaría Artigas</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO3.L3.3Paper Number: 3669</p> <p>Title: APPLICATION OF REMOTE SENSING IMAGES FOR NATURAL DISASTER MITIGATION USING WAVELET BASED PATTERN RECOGNITION ANALYSIS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: MO3.L3: Image Processing Techniques of Detecting</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Radhika Sudha, Tamura Yukio, Matsui Masahiro</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P39.247Paper Number: 3671</p> <p>Title: SIMULATION AND PREDICTION OF THE SPATIOTEMPORAL TRANSMISSION OF SUDDEN OAK DEATH (SOD) BASED ON SPATIAL INFORMATION TECHNOLOGY</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P39: Vegetation Monitoring by MODIS</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Houzhi Jiang, Chunxiang Cao, Wei Chen, Zhou Fang, Cheng Liu</p>
View	<p>Paper Code: FR2.L3.5Paper Number: 3672</p>

ADD <input type="checkbox"/>	Title: SPARSE UNMIXING BASED DENOISING FOR HYPERSPECTRAL IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR2.L3: Spectral Unimixing Techniques II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Alp Ertürk
View ADD <input type="checkbox"/>	Paper Code: THP.P42.243 Paper Number: 3674
	Title: THE FAST SUBSIDENCE IN MEXICO CITY BY RADARSAT-2 INSAR DATA CORRELATED TO THE SOIL RESONANCE PERIODS
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P42: Urban Applications III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Marco Polcari, Matteo Albano, Christian Bignami, Marco Moro, Michele Saroli, Salvatore Stramondo
View ADD <input type="checkbox"/>	Paper Code: MOP.P9.51 Paper Number: 3675
	Title: CALIBRATION OF TRMM RAINFALL CLIMATOLOGY OVER UTTARAKHAND STATE, INDIA DURING 1998-2012
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P9: Clouds and Precipitation: TRMM/GPM
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Anoop Kumar Shukla, C.S.P Ojha, Rahul Dev Garg, Rajendra Prasad Singh
View ADD <input type="checkbox"/>	Paper Code: TH3.L8.3 Paper Number: 3676
	Title: GSS-RT: AN ADVANCED SIMULATION INSTRUMENT FOR EARLY-STAGE VERIFICATION & VALIDATION OF A SAR DATA COLLECTION SYSTEM
	Topic: Invited Sessions: Earth Remote Sensing with Small Satellites
	Session: TH3.L8: Earth Remote Sensing with Small Satellites I
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Filippo Speziali, Davide D'Aria, Antonio Valentino, Emanuele Giorgi
View ADD <input type="checkbox"/>	Paper Code: THP.P10.52 Paper Number: 3677
	Title: ASSESS THE TOPOGRAPHIC RESOLUTION IMPACT ON SOIL LOSS
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P10: Geological Applications

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Qinggaozi Zhu, Xihua Yang, Qiang Yu
View ADD <input type="checkbox"/>	Paper Code: THP.P14.79 Paper Number: 3678
	Title: A NEW K-NEAREST NEIGHBOR DENSITY-BASED CLUSTERING METHOD AND ITS APPLICATION TO HYPERSPSCTRAL IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P14: Hyperspectral Data Processing and Analysis
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Claude Cariou, Kacem Chehdi
View ADD <input type="checkbox"/>	Paper Code: WE2.L3.2 Paper Number: 3679
	Title: UNSUPERVISED CHANGE DETECTION ANALYSIS TO MULTI-CHANNEL SCENARIO BASED ON MORPHOLOGICAL CONTEXTUAL ANALYSIS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: WE2.L3: Change Detection in Optical Images
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Nicola Falco, Gabriele Cavallaro, Prashanth Marpu, Jón Atli Benediktsson
View ADD <input type="checkbox"/>	Paper Code: WEP.P16.90 Paper Number: 3680
	Title: GEOSPATIAL TECHNIQUES FOR FLOOD INUNDATION MAPPING
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: WEP.P16: Floods
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Kuldeep Kuldeep, P.K. Garg, Rahul Dev Garg
View ADD <input type="checkbox"/>	Paper Code: FR2.L1.5 Paper Number: 3682
	Title: GROUND DEFORMATIONS AND BUILDING STABILITY MONITORING BY COSMO-SKYMED PSP SAR INTERFEROMETRY: RESULTS AND VALIDATION WITH FIELD MEASUREMENTS AND SURVEYS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR2.L1: Deformation Application
	Time: Friday, July 15, 10:30 - 12:10

Authors: Mario Costantini, Jie Bai, Fabio Malvarosa, Federico Minati, Francesco Vecchioli, Ruili Wang, Qiong Hu, Jianhua Xiao, Jiping Li

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L10.5 Paper Number: 3684</p>
	<p>Title: THE ACQUISITION MODES OF COSMO-SKYMED DI SECONDA GENERAZIONE: A NEW COMBINED APPROACH BASED ON SAR AND PLATFORM AGILITY</p>
	<p>Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities</p>
	<p>Session: TU2.L10: COSMO-SkyMed Mission: Current and Future Activities II</p>
	<p>Time: Tuesday, July 12, 10:30 - 12:10</p>
	<p>Authors: Manfredi Porfilio, Stefano Serva, Claudia Anita Maria Fiorentino, Diego Calabrese</p>

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L8.4 Paper Number: 3685</p>
	<p>Title: COMPARISON OF SUOMI-NPP VIIRS AND HIMARWARI-8 AHI MWIR OBSERVATIONS FOR HOT SPOT AND HEAT ISLAND STUDIES</p>
	<p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p>
	<p>Session: TU3.L8: Thermal and Hyperspectral Sensors and Mapping</p>
	<p>Time: Tuesday, July 12, 13:30 - 15:10</p>
	<p>Authors: Xi Shao, Changyong Cao, Bin Zhang, Yan Bai, Xiangqian Wu, Fangfang Yu</p>

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L7.4 Paper Number: 3686</p>
	<p>Title: MULTI-TEMPORAL MICROWAVE RETRIEVALS OF SOIL MOISTURE AND VEGETATION PARAMETERS FROM SMAP</p>
	<p>Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration</p>
	<p>Session: MO4.L7: Remote Sensing of Land Surface Evapotranspiration II</p>
	<p>Time: Monday, July 11, 15:40 - 17:20</p>
	<p>Authors: María Piles, Dara Entekhabi, Alexandra G. Konings, Kaighin A. McColl, Narendra Das, Thomas Jagdhuber</p>

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P13.72 Paper Number: 3687</p>
	<p>Title: AUTOMATIC DETECTION AND MAPPING OF AVALANCHES IN SAR IMAGES</p>
	<p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p>
	<p>Session: MOP.P13: Disaster and Anomaly Detection</p>
	<p>Time: Monday, July 11, 17:20 - 19:00</p>

	Authors: Jarle Bauck Hamar, Arnt-Børre Salberg, Florina Ardelean
View ADD <input type="checkbox"/>	Paper Code: TU4.L7.4 Paper Number: 3688
	Title: MODELING POLARIMETRIC SEA SURFACE SPECULAR SCATTERING FOR GNSS-R APPLICATIONS
	Topic: Invited Sessions: Physical Models in Microwave Remote Sensing
	Session: TU4.L7: Physical Models in Microwave Remote Sensing II
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Jeonghwan Park, Joel Johnson, Jeffrey Ouellette
View ADD <input type="checkbox"/>	Paper Code: MOP.P37.233 Paper Number: 3690
	Title: SHIP DETECTION USING VIIRS SENSOR SPECIFIC DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P37: Ship Detection
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Benjamin Lebona, Waldo Kleynhans, Turgay Celik, Lizwe Mdakane
View ADD <input type="checkbox"/>	Paper Code: MO3.L9.2 Paper Number: 3691
	Title: FARADAY ROTATION MEASUREMENT WITH THE SMAP RADIOMETER
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MO3.L9: L-band Microwave Radiometry
	Time: Monday, July 11, 13:30 - 15:10
	Authors: David Le Vine, Saji Abraham
View ADD <input type="checkbox"/>	Paper Code: TU2.L10.4 Paper Number: 3692
	Title: COSMO-SKYMED: AN ITALIAN INFRASTRUCTURE FOR THE INTERNATIONAL EARTH OBSERVATION COMMUNITY
	Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities
	Session: TU2.L10: COSMO-SkyMed Mission: Current and Future Activities II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Francesco Caltagirone, Marco Nardini, Claudia Anita Maria Fiorentino, Manfredi Porfilio, Stefano Serva
View	Paper Code: TUP.P2.10 Paper Number: 3694

ADD <input type="checkbox"/>	<p>Title: PATCH-BASED RECONSTRUCTION OF HIGH RESOLUTION SATELLITE IMAGE TIME SERIES WITH MISSING VALUES USING SPATIAL, SPECTRAL AND TEMPORAL SIMILARITIES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P2: Analysis of Image Time Series</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Silvia Valero, Charlotte Pelletier, Marina Bertolino</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU2.L12.4 Paper Number: 3696</p> <p>Title: AN ASSESSMENT OF THE INDONESIAN COASTAL ENVIRONMENT BASED ON SAR IMAGERY</p> <p>Topic: Invited Sessions: SAR Remote Sensing for Ocean Applications</p> <p>Session: TU2.L12: SAR Remote Sensing for Ocean Applications II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Martin Gade, Bernhard Mayer, Thomas Pohlmann, Mutiara Putri, Agus Setiawan</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH4.L9.5 Paper Number: 3697</p> <p>Title: AIRBORNE P-BAND SIGNAL OF OPPORTUNITY (SOOP) DEMONSTRATOR INSTRUMENT; STATUS UPDATE</p> <p>Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)</p> <p>Session: TH4.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) II</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Joseph Knuble, Jeffrey Piepmeier, Manohar Deshpande, Cornelis Du Toit, James Garrison, Yao-Cheng Lin, Georges Stienne, Stephen Katzberg, George Alikakos</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE1.L7.4 Paper Number: 3698</p> <p>Title: Data simulation and fusion of imaging spectrometer and LiDAR multi-sensor system through DART model</p> <p>Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain</p> <p>Session: WE1.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Tiangang Yin, Jean-Baptiste Féret, Jean-Philippe Gastellu-Etchegorry, Nicolas Lauret</p>

View ADD <input type="checkbox"/>	Paper Code: TUP.P25.134 Paper Number: 3700
	Title: SOFT SUPERVISED CLASSIFICATION: AN IMPROVED METHOD FOR CORAL REEF CLASSIFICATION USING MEDIUM RESOLUTION SATELLITE IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P25: Image Analysis and Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Amir Masoud Chegoonian, Mehdi Mokhtarzade, Mohammad Javad Valadan Zoej, Maryam Salehi
View ADD <input type="checkbox"/>	Paper Code: TH3.L4.3 Paper Number: 3701
	Title: TESTING SEMI-EMPIRICAL MODEL OF REFLECTION COEFFICIENT BASED ON GNSS-R MEASUREMENTS
	Topic: Land Applications: Soils and Soil Moisture
	Session: TH3.L4: New Approaches to Soil Moisture
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Mikhail Mikhailov, Konstantin Muzalevskiy, Valery Mironov
View ADD <input type="checkbox"/>	Paper Code: TH4.L9.1 Paper Number: 3702
	Title: STUDIES OF TDS-1 GNSS-R OCEAN ALTIMETRY USING A "FULL DDM" RETRIEVAL APPROACH
	Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)
	Session: TH4.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Jeonghwan Park, Joel Johnson, Andrew O'Brien, Stephen Lowe
View ADD <input type="checkbox"/>	Paper Code: TUP.P4.19 Paper Number: 3703
	Title: DESIGN OF SAR IMAGE FEATURE DETECTOR FOR SMALL-SCALED COHERENT CHANGE DETECTION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P4: Analysis of Multitemporal SAR Images
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Kee Woong Lee, Hyun-Chul Kim, Bumseung Kim, Woo-Kyung Lee
View	Paper Code: TH2.L8.1 Paper Number: 3704

ADD <input type="checkbox"/>	Title: The NOAA JPSS Satellite Program and Applications
	Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet
	Session: TH2.L8: International Operational Satellite Missions to Monitor the Planet II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Mitch Goldberg, Harry Cikanek

View ADD <input type="checkbox"/>	Paper Code: THP.P17.93 Paper Number: 3705
	Title: CHANGE DETECTION UNDER THE FOREST IN MULTITEMPORAL FULL-POLARIMETRIC P-BAND SAR IMAGES USING PAULI DECOMPOSITION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P17: Information Extraction
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Rafael Antonio da Silva Rosa, David Fernandes, Thiago Barreto, Christian Wimmer, João Bosco Nogueira Júnior

View ADD <input type="checkbox"/>	Paper Code: WE4.L11.1 Paper Number: 3709
	Title: USE OF TEMPERATURE AND HUMIDITY PROFILES DERIVED FROM SATELLITE RETRIEVALS FOR THE DERIVATION OF ATMOSPHERIC STABILITY INDICES
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WE4.L11: Atmospheric Sounding Algorithms
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Flavio Iturbide-Sanchez, Silvia Regina Santos da Silva, Quanhua Liu

View ADD <input type="checkbox"/>	Paper Code: THP.P13.68 Paper Number: 3711
	Title: THE HETEROGENEITY ANALYSIS ON GROUND- BASED SITES FOR EVALUATING SATELLITE-DERIVED LSTS
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P13: Ground Based Radar and Optical Systems
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Wenping Yu, Mingguo Ma, Junlei Tan

View ADD <input type="checkbox"/>	Paper Code: FR4.L8.5 Paper Number: 3712
	Title: VIRTUAL BANDWIDTH SAR (VB-SAR) FOR CENTIMETER-SCALE VERTICAL PROFILING THROUGH A SOIL AT C-BAND FROM SPACE

	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping
	Session: FR4.L8: Tomography and 3D Mapping
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Keith Morrison, Alexander Edwards-Smith, Simon Zwieback, Irena Hajsek

View ADD <input type="checkbox"/>	Paper Code: TU2.L11.5 Paper Number: 3713
	Title: REGIONAL POLARIMETRIC QUANTITATIVE PRECIPITATION ESTIMATION OVER SOUTH CAROLINA
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU2.L11: Clouds and Precipitation II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Delbert Willie, Haonan Chen, V. Chandrasekar, Robert Cifelli

View ADD <input type="checkbox"/>	Paper Code: TU2.L4.2 Paper Number: 3714
	Title: DEVELOPMENT AND VALIDATION OF THE GCOM-W AMSR2 SOIL MOISTURE PRODUCT
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU2.L4: Passive Microwave Soil Moisture I
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Rajat Bindlish, Thomas Jackson, Michael Cosh, Sushil Milak, Eni G. Njoku, Steven Chan, Mariko Burgin, Todd Caldwell, Aaron Berg, Heather McNairn, Jeffrey Walker, Yijian Zeng, Zhongbo Su, Marc Thibeault, Jose Martinez-Fernandez

View ADD <input type="checkbox"/>	Paper Code: FR4.L3.3 Paper Number: 3715
	Title: FAST SPATIAL-SPECTRAL PREPROCESSING FOR ENDMEMBER EXTRACTION AND SPECTRAL UNMIXING USING GRAPHIC PROCESSING UNITS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR4.L3: Spectral Unimixing Techniques III
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Luis Ignacio Jiménez, Gabriel Martín, Sergio Sánchez, Javier Plaza, Antonio Plaza

View ADD <input type="checkbox"/>	Paper Code: WEP.P18.104 Paper Number: 3716
	Title: STATEWIDE MAPPING AND ESTIMATION OF VEGETATION ABOVEGROUND BIOMASS USING AIRBORNE LIDAR
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle

Session: WEP.P18: Forests and Vegetation III
Time: Wednesday, July 13, 17:20 - 19:00
Authors: Qi Chen, Ronald McRoberts

View ADD <input type="checkbox"/>	Paper Code: TU4.L11.5 Paper Number: 3717
	Title: COMPARISON OF NEUTROSPHERIC TEMPERATURE AND PRESSURE BETWEEN MISE-90 MODEL AND ECMWF REANALYSIS DATA
	Topic: Atmosphere Applications: Numerical Weather Prediction and Data Assimilation
	Session: TU4.L11: Numerical Weather Prediction and Data Assimilation
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Danyang Zhao, Yueqiang Sun, Weihua Bai, Xiangguang Meng, Congliang Liu, Junming Xia, Qifei Du, Xianyi Wang, Dongwei Wang, Yuerong Cai, Chunjun Wu, Di Wu, Wei Li, Cheng Liu

View ADD <input type="checkbox"/>	Paper Code: MO3.L9.4 Paper Number: 3718
	Title: CALIBRATION AND CHARACTERIZATION OF A SCANNING L-BAND ACTIVE PASSIVE (SLAP) MICROWAVE RADIOMETER
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MO3.L9: L-band Microwave Radiometry
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Lynn Miles Jr., Mark Wong, Albert Wu, Eugenia De Marco, Edward Kim, Tammy Haynes

View ADD <input type="checkbox"/>	Paper Code: TH4.L10.1 Paper Number: 3719
	Title: POLARIMETRIC CHARACTERIZATION OF 3-D SCENES USING HIGH-RESOLUTION AND FULL-RANK POLARIMETRIC TOMOGRAPHIC SAR FOCUSING
	Topic: Invited Sessions: SAR Polarimetry: Theory and Applications
	Session: TH4.L10: SAR Polarimetry: Theory and Applications II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Laurent Ferro-Famil, Yue Huang, Stefano Tebaldini

View ADD <input type="checkbox"/>	Paper Code: FR2.L10.3 Paper Number: 3720
	Title: IMPROVING SOIL MOISTURE ESTIMATION FROM POLARIMETRIC RADAR OBSERVATIONS: A STUDY OF SCENE HETEROGENEITY, LAND COVER, AND VEGETATION SEASONALITY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: FR2.L10: PolSAR and PolInSAR Information Extraction II

	Time: Friday, July 15, 10:30 - 12:10
	Authors: Mariko Burgin, Jakob Van Zyl
View ADD <input type="checkbox"/>	Paper Code: THP.P4.18 Paper Number: 3721
	Title: ASSIMILATION OF REMOTELY SENSED CANOPY VARIABLES INTO CROP MODELS FOR AN ASSESSMENT OF DROUGHT-RELATED YIELD LOSSESS: A COMPARSION OF MODELS OF DIFFERENT COMPLEXITY
	Topic: Land Applications: Agriculture
	Session: THP.P4: Computational Techniques in Agriculture
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Raffaele Casa, Paolo Cosmo Silvestro, Hao Yang, Stefano Pignatti, Simone Pascucci, Guijun Yang
View ADD <input type="checkbox"/>	Paper Code: WE1.L11.1 Paper Number: 3722
	Title: SUCCESSES WITH THE GLOBAL PRECIPITATION MEASUREMENT (GPM) MISSION
	Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms
	Session: WE1.L11: Global Precipitation Measurement Instruments and Algorithms I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Gail Skofronick-Jackson, George Huffman, Erich Stocker, Walter Petersen
View ADD <input type="checkbox"/>	Paper Code: FR1.L5.2 Paper Number: 3723
	Title: MORPHOLOGY ESTIMATION OF RICE FIELDS USING X-BAND POLSAR DATA
	Topic: Land Applications: Agriculture
	Session: FR1.L5: Radar and Hyperspectral Remote Sensing for Crop Parameters
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Onur Yuzugullu, Esra Erten, Irena Hajnsek
View ADD <input type="checkbox"/>	Paper Code: TH4.L12.3 Paper Number: 3724
	Title: VIIRS OCEAN COLOR PRODUCTS: A PROGRESS UPDATE
	Topic: Oceans: Ocean Biology (Color) and Water Quality
	Session: TH4.L12: Ocean Biology and Water Quality
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Menghua Wang, Lide Jiang, Xiaoming Liu, Seunghyun Son, Junqiang Sun, Wei Shi, Liqin Tan, Karlis Mikelsons, Xiaolong Wang, Veronica Lance

View ADD <input type="checkbox"/>	Paper Code: WEP.P22.123 Paper Number: 3726
	Title: RADARSAT-2 AND TERRASAR-X POLARIMETRIC DATA FOR CROP GROWTH STAGES ESTIMATION
	Topic: Land Applications: Land Cover Dynamics
	Session: WEP.P22: Land Cover Dynamics
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yifeng Li, George Lampropoulos
View ADD <input type="checkbox"/>	Paper Code: TH1.L3.2 Paper Number: 3727
	Title: AN APPROACH TO MULTIPLE CHANGE DETECTION IN MULTISENSOR VHR OPTICAL IMAGES BASED ON ITERATIVE CLUSTERING
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH1.L3: Multitemporal VHR Images Analysis
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Yady Tatiana Solano-Correa, Francesca Bovolo, Lorenzo Bruzzone
View ADD <input type="checkbox"/>	Paper Code: TH4.L12.1 Paper Number: 3729
	Title: REMOTE SENSING OF SPATIAL-TEMPORAL VARIATIONS OF CHLOROPHYLL-A IN GALVESTON BAY, TEXAS
	Topic: Oceans: Ocean Biology (Color) and Water Quality
	Session: TH4.L12: Ocean Biology and Water Quality
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Shuai Zhang, Huilin Gao, Antonietta Quigg, Daniel Roelke
View ADD <input type="checkbox"/>	Paper Code: WEP.P34.188 Paper Number: 3731
	Title: ANALYSIS OF FULL AND HYBRID POLARIMETRIC BASED DESCRIPTORS FOR DIFFERENT LAND FEATURES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P34: POL and POLInSAR V
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Vineet Kumar, Y. S. Rao
View ADD <input type="checkbox"/>	Paper Code: TU4.L1.4 Paper Number: 3732
	Title: 3D IMAGING FOR UNDERFOLIAGE TARGETS USING L-BAND MULTIBASELINE POLINSAR DATA AND SPARSE ESTIMATION METHODS

	Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques
	Session: TU4.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques II
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Yue Huang, Jacques Levy-Vehel, Laurent Ferro-Famil, Andreas Reigber

View ADD <input type="checkbox"/>	Paper Code: MOP.P36.230 Paper Number: 3733
	Title: NEAR REAL-TIME PROCESSING AT ASSISTT: AHI WINDS AND JPSS RISK REDUCTION PROJECT PRODUCTS
	Topic: Mission, Sensors and Calibration: Satellite Missions
	Session: MOP.P36: Satellite Missions
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Meizhu Fan, Claire McCaskill, Hua Xie, Yunhui Zhao, Shanna Sampson, Walter Wolf, John Lindeman, Aiwu Li, Jaime Daniels, Zhuo Zhang, Rickey Rollins, Veena Jose

View ADD <input type="checkbox"/>	Paper Code: WEP.P23.131 Paper Number: 3734
	Title: A HIGH PERFORMANCE GPU IMPLEMENTATION OF THE SPLIT-WINDOW LAND SURFACE TEMPERATURE ALGORITHMS
	Topic: Land Applications: Land Use Applications
	Session: WEP.P23: Land Use Applications
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Hafsa Toulali, Nizar Ben Achhab, Asaad Chahboun, Abdelilah Azyat, Mohammed Lahraoua, Naoufal Raissouni

View ADD <input type="checkbox"/>	Paper Code: FR2.L2.4 Paper Number: 3735
	Title: GROUND VALIDATION AND UNCERTAINTY ESTIMATION OF VIIRS LAND SURFACE TEMPERATURE PRODUCT
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: FR2.L2: Estimation and Regression Techniques
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Yuling Liu, Yunyue Yu, Peng Yu, Heshun Wang

View ADD <input type="checkbox"/>	Paper Code: WE4.L12.2 Paper Number: 3736
	Title: A POLARIMETRIC RADAR VIEW AT EXPOSED INTERTIDAL FLATS
	Topic: Invited Sessions: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations

	<p>Session: WE4.L12: Novel Applications of the New Generation Spaceborne SAR in Ocean Observations II</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Martin Gade</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P21.115 Paper Number: 3737</p> <p>Title: FAST EXTRACTION OF PLASTIC GREENHOUSES USING WORLDVIEW-2 IMAGES</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P21: Remote Sensing for Agricultural Hydrology</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Esmā Pala, Kadim Tasdemir</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU1.L3.2 Paper Number: 3738</p> <p>Title: OBJECT DETECTION IN PLEIADES IMAGES USING DEEP FEATURES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition</p> <p>Session: TU1.L3: Object Detection</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Mohamed Dahmane, Samuel Foucher, Mario Beaulieu, François Riendeau, Yacine Bouroubi, Mathieu Benoit</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P15.86 Paper Number: 3740</p> <p>Title: GLAS CANOPY GAP FRACTION SENSITIVITY</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P15: Forest Monitoring by Radar and Lidar</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Craig Mahoney, Chris Hopkinson</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P22.120 Paper Number: 3742</p> <p>Title: SPECTRAL SEPARABILITY ANALYSIS OF FIVE SOYBEAN CULTIVARS WITH DIFFERENT OZONE TOLERANCE USING HYPERSPECTRAL FIELD SPECTROSCOPY</p> <p>Topic: Land Applications: Agriculture</p> <p>Session: THP.P22: Remote Sensing for Crop Yield and Classification</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Abduwasit Ghulam, Jack Fishman, Matthew Maimaitiyiming</p>
<p>View</p>	<p>Paper Code: THP.P11.59 Paper Number: 3743</p>

ADD <input type="checkbox"/>	Title: RELATIONSHIP BETWEEN LAND SURFACE AND ATMOSPHERIC CO2 PHENOLOGY
	Topic: Advancing the Understanding of Our Living Planet: Global Change Study
	Session: THP.P11: Global Change Study
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Alemu Gonsamo, Chaoyang Wu, Petra D'Odorico, Jing M Chen
View ADD <input type="checkbox"/>	Paper Code: WE2.L10.5 Paper Number: 3744
	Title: ASSESSMENT OF POLARIMETRIC PALSAR-2 POTENTIAL FOR PEATLAND CHARACTERIZATION
	Topic: Invited Sessions: ALOS-2
	Session: WE2.L10: ALOS-2 II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Ridha Touzi, X. Jiao, Khalid Omari, B Sleep
View ADD <input type="checkbox"/>	Paper Code: MO4.L10.4 Paper Number: 3745
	Title: GEODETIC MASS BALANCE OF THE PATAGONIAN ICEFIELDS DERIVED FROM SRTM AND TANDEM-X DATA
	Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities
	Session: MO4.L10: TanDEM-X: Mission Status and Science Activities II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Wael Abdel Jaber, Dana Floricioiu, Helmut Rott
View ADD <input type="checkbox"/>	Paper Code: TU2.L7.1 Paper Number: 3746
	Title: A LS-SVM-BASED CLASSIFIER WITH FRUIT FLY OPTIMIZATION ALGORITHM FOR POLARIMETRIC SAR IMAGES
	Topic: Student Paper Competition:
	Session: TU2.L7: Student Paper Contest Finalists II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Shiyu Luo, Kamal Sarabandi, Ling Tong, Leland Pierce
View ADD <input type="checkbox"/>	Paper Code: THP.P38.216 Paper Number: 3748
	Title: PERFORMANCE EVALUATION OF VARIOUS TOMOGRAPHIC METHODS FOR URBAN MONITORING MAPPING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Tomography and 3D mapping
	Session: THP.P38: Tomography and 3D Mapping II
	Time: Thursday, July 14, 17:20 - 19:00

	Authors: Salar Zakeri, Mahdi Motagh, John Peter Merryman Boncori, Paolo Pasquali, Abdolreza Safari
View ADD <input type="checkbox"/>	Paper Code: TH2.L4.2 Paper Number: 3749
	Title: EVALUATION OF ASSIMILATED SMOS SOIL MOISTURE DATA FOR US CROPLAND SOIL MOISTURE MONITORING
	Topic: Invited Sessions: Applications of SMAP Data for Science and Society: A showcase of SMAP Early Adopter Research
	Session: TH2.L4: Applications of SMAP Data for Science and Society: A Showcase of SMAP Early Adopter Research II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Zhengwei Yang, Ranjay Shrestha, Wade Crow, John Bolten, Iva Mladenova, Genong Yu, Liping Di
View ADD <input type="checkbox"/>	Paper Code: FR3.L5.4 Paper Number: 3754
	Title: LEAF RELATIVE WATER CONTENT ESTIMATED FROM LEAF REFLECTANCE AND TRANSMITTANCE
	Topic: Land Applications: Agriculture
	Session: FR3.L5: Remote Sensing for Crop Water and Yield Estimation
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Vern C Vanderbilt, Craig S.T. Daughtry, Robert P Dahlgren
View ADD <input type="checkbox"/>	Paper Code: TU4.L12.4 Paper Number: 3756
	Title: APPLICATION SENTINEL-1 SAR DATA FOR OCEAN RESEARCH AND OPERATION
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: TU4.L12: Ocean Surface Winds
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Xiaofeng Li, Christopher Jackson, Frank Monaldo, Qing Xu, Shaowu Bao
View ADD <input type="checkbox"/>	Paper Code: WE3.L2.4 Paper Number: 3757
	Title: CONTEXTUAL DEEP CNN BASED HYPERSPECTRAL CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: WE3.L2: Classification of Hyperspectral Image II
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Hyungtae Lee, Heesung Kwon
View	Paper Code: WE2.L3.1 Paper Number: 3758

ADD <input type="checkbox"/>	<p>Title: UNMIXING WITH SLIC SUPERPIXELS FOR HYPERSPECTRAL CHANGE DETECTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: WE2.L3: Change Detection in Optical Images</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Alp Ertürk, Sarp Ertürk, Antonio Plaza</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR4.L8.4Paper Number: 3759</p> <p>Title: PRECISE AND AUTOMATIC 3D ABSOLUTE GEOLOCATION OF TARGETS USING ONLY TWO LONG-APERTURE SAR ACQUISITIONS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Tomography and 3D mapping</p> <p>Session: FR4.L8: Tomography and 3D Mapping</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Sergi Duque, Alessandro Parizzi, Francesco De Zan, Michael Eineder</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU1.L1.4Paper Number: 3760</p> <p>Title: GEOSTARE SYSTEM PERFORMANCE ASSESSMENT METHODOLOGY</p> <p>Topic: Invited Sessions: Advances on Spaceborne SAR Imaging</p> <p>Session: TU1.L1: Advances on Spaceborne SAR Imaging I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Stephen Hobbs, Carlo Convelevole, Andrea Monti-Guarnieri, Geoff Wadge</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH4.L5.3Paper Number: 3761</p> <p>Title: PLANT: POLARIMETRIC-INTERFEROMETRIC LAB AND ANALYSIS TOOLS FOR ECOSYSTEM AND LAND-COVER SCIENCE AND APPLICATIONS</p> <p>Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle</p> <p>Session: TH4.L5: Forest and Vegetation I</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Marco Lavallo, Gustavo H X. Shiroma, Piyush Agram, Eric Gurrola, Gian Franco Sacco, Paul Rosen</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR4.L9.4Paper Number: 3764</p> <p>Title: IMPROVED METHOD FOR THE OPTIMIZATION OF COILS IN THE PRESENCE OF MAGNETIC SOIL</p>

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar</p> <p>Session: FR4.L9: Subsurface Sensing</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Mark Reed, Waymond Scott, Jr.</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L8.4 Paper Number: 3766</p> <p>Title: A WIDE-SWATH FREQUENT REVISIT CANADIAN HYPER SPECTRAL MISSION – CONCEPT STUDY OUTCOMES</p> <p>Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News</p> <p>Session: MO4.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Shen-En Qian, Martin Bergeron, Ralph Girard, Gary Buttner, Tony Sanz, Jennifer Busler</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L8.3 Paper Number: 3768</p> <p>Title: Demonstrating a Low-Cost Sustainable Passive Microwave Sensor Architecture: The Compact Ocean Wind Vector Radiometer Mission</p> <p>Topic: Invited Sessions: Earth Remote Sensing with Small Satellites</p> <p>Session: TH4.L8: Earth Remote Sensing with Small Satellites II</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Shannon Brown, Paolo Focardi, Amarit Kitiyakara, Frank Maiwald, Lance Milligan, Oliver Montes, Sharmila Padmanabhan, Richard Redick, Damon Russel, Vin Bach, Phillip Walkemeyer</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L11.1 Paper Number: 3771</p> <p>Title: RAIN ESTIMATES BY USING Ku- AND Ka-BAND DUAL-FREQUENCY RADAR</p> <p>Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms</p> <p>Session: WE2.L11: Global Precipitation Measurement Instruments and Algorithms II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Liang Liao, Robert Meneghini, Ali Tokay</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L1.5 Paper Number: 3772</p> <p>Title: VALIDATION OF THE NEW SRTM DIGITAL ELEVATION MODEL (NASADEM) WITH ICESAT/GLAS OVER THE UNITED STATES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across</p>

	<p>Session: WE2.L1: SAR Interferometry II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Marc Simard, Maxim Neumann, Sean Buckley</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L4.4 Paper Number: 3773</p> <p>Title: SOIL MOISTURE ACTIVE PASSIVE (SMAP) MICROWAVE RADIOMETER RADIO-FREQUENCY INTERFERENCE (RFI) MITIGATION: ALGORITHM UPDATES AND PERFORMANCE ASSESSMENT</p> <p>Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission</p> <p>Session: MO3.L4: Observations by the NASA Soil Moisture Active Passive Mission I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Joel Johnson, Priscilla Mohammed, Jeffrey Piepmeier, Alexandra Bringer, Mustafa Aksoy</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P17.97 Paper Number: 3774</p> <p>Title: REMOTE SENSING AND GIS BASED IMPACT ASSESSMENT OF LAND TRANSFORMATIONS ON GROUND WATER LEVEL OF A RAPIDLY URBANIZING WATERSHED OF INDIA</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P17: Land Cover Mapping</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Satyavati Shukla, M. V. Khire, S. S. Gedam</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L12.1 Paper Number: 3775</p> <p>Title: EXPECTED PERFORMANCE OF THE WIND RETRIEVAL FROM THE CFOSAT ROTATING FAN-BEAM SCATTEROMETER</p> <p>Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations</p> <p>Session: TH2.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Ad Stoffelen, Zhen Li, Jos de Kloe</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L12.1 Paper Number: 3777</p> <p>Title: WIND-WAVE EFFECT ON ATI-SAR MEASUREMENTS OF OCEAN SURFACE CURRENTS IN THE BALTIC SEA</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: WE1.L12: Ocean Waves and Currents</p>

	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Anis Elyouncha, Leif E. B. Eriksson, Roland Romeiser, Gisela K. Carvajal, Lars M. H. Ulander
View ADD <input type="checkbox"/>	Paper Code: FR3.L4.4 Paper Number: 3778
	Title: TESTING THE FEASIBILITY OF A BAYESIAN RETRIEVAL OF GREENLAND ICE SHEET INTERNAL TEMPERATURE FROM ULTRA-WIDEBAND SOFTWARE-DEFINED MICROWAVE RADIOMETER (UWBRAD) MEASUREMENTS
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: FR3.L4: Ice Sheets and Glaciers I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Yuna Duan, Michael Durand, Kenneth Jezek, Caglar Yardim, Alexandra Bringer, Mustafa Aksoy, Joel Johnson
View ADD <input type="checkbox"/>	Paper Code: THP.P42.241 Paper Number: 3779
	Title: CONTEXTURAL FEATURE EVALUATION OF MULTI-RESOLUTION IMAGERY
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P42: Urban Applications III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Qin Yu, Ryan Engstrom, Jordan Graesser
View ADD <input type="checkbox"/>	Paper Code: MOP.P28.179 Paper Number: 3782
	Title: SUPERPIXEL-BASED COASTLINE EXTRACTION IN SAR IMAGES WITH SPECKLE NOISE REMOVAL
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: MOP.P28: SAR Imaging Techniques II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Xiaofang Liu, Hong Jia, Liujuan Cao, Cheng Wang, Jonathan Li, Ming Cheng
View ADD <input type="checkbox"/>	Paper Code: FR1.L5.1 Paper Number: 3783
	Title: SAR ALGORITHMS FOR CROP HEIGHT ESTIMATION: THE PADDY-RICE CASE STUDY
	Topic: Land Applications: Agriculture
	Session: FR1.L5: Radar and Hyperspectral Remote Sensing for Crop Parameters
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Esra Erten, Onur Yuzugullu, Juan M. Lopez-Sanchez, Irena Hajsek

View ADD <input type="checkbox"/>	Paper Code: TUP.P29.152 Paper Number: 3784
	Title: AUTOMATIC BUILDING CHANGE DETECTION THROUGH ADAPTIVE LOCAL TEXTURAL FEATURES AND SEQUENTIAL BACKGROUND REMOVAL
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P29: Multitemporal Analysis Urban Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Paheding Sidike, Daniel Prince, Almabrok Essa, Vijayan Asari
View ADD <input type="checkbox"/>	Paper Code: WE4.L1.5 Paper Number: 3787
	Title: TEXTURE PARAMETER ESTIMATION IN MONOPOLARIZED SAR IMAGERY, FOR THE SINGLE LOOK CASE, USING EXTREME VALUE THEORY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques
	Session: WE4.L1: SAR Imaging Techniques II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Débora Chan, Julia Casseti, Alejandro C. Frery
View ADD <input type="checkbox"/>	Paper Code: TH2.L7.2 Paper Number: 3788
	Title: MODELLING LAND COVER CHANGE IN A MEDITERRANEAN ENVIRONMENT USING RANDOM FORESTS AND A MULTI-LAYER NEURAL NETWORK MODEL
	Topic: Land Applications: Land Cover Dynamics
	Session: TH2.L7: Land Cover Dynamics
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Elias Symeonakis
View ADD <input type="checkbox"/>	Paper Code: WE4.L10.1 Paper Number: 3790
	Title: UNSUPERVISED PARALLEL SBAS-DINSAR CHAIN FOR MASSIVE AND SYSTEMATIC SENTINEL-1 DATA PROCESSING
	Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results
	Session: WE4.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Michele Manunta, Manuela Bonano, Sabatino Buonanno, Francesco Casu, Claudio De Luca, Adele Fusco, Riccardo Lanari, Mariarosaria Manzo, Chandrakanta Ojha, Antonio Pepe, Ivana Zinno

View ADD <input type="checkbox"/>	Paper Code: FR2.L12.2 Paper Number: 3791
	Title: SEA ICE CONCENTRATION ESTIMATION FROM SENTINEL-1 SYNTHETIC APERTURE RADAR IMAGES OVER THE FRAM STRAIT
	Topic: Cryosphere: Sea Ice
	Session: FR2.L12: Sea Ice
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Wiebke Aldenhoff, Anders Berg, Leif E. B. Eriksson

View ADD <input type="checkbox"/>	Paper Code: TU3.L8.3 Paper Number: 3792
	Title: ANALYZING AVHRR THERMAL CALIBRATION USING SENSOR STABILITY FOR SST (3S) SYSTEM
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TU3.L8: Thermal and Hyperspectral Sensors and Mapping
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Kai He, Alexander Ignatov, Yury Kihai, Changyong Cao, John Stroup

View ADD <input type="checkbox"/>	Paper Code: TUP.P32.173 Paper Number: 3793
	Title: METHODOLOGY AND ERROR BUDGET FOR EVALUATING THE MODIS-VIIRS LAND SURFACE REFLECTANCE FUNDAMENTAL CLIMATE DATA RECORD.
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P32: Optical Sensors and Calibration I
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jean-Claude Roger, Eric Vermote, Emilie Murphy, Maxime Pinchaud, Brent Holben

View ADD <input type="checkbox"/>	Paper Code: TH2.L10.1 Paper Number: 3794
	Title: TARGET SCATTERING DECOMPOSITION: A REVIEW
	Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction
	Session: TH2.L10: Advanced Methods for Polarimetric SAR Information Extraction II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Ridha Touzi

View ADD <input type="checkbox"/>	Paper Code: TU1.L11.5 Paper Number: 3796
	Title: PERFORMANCE OF THE FALLING SNOW RETRIEVAL ALGORITHMS FOR THE GLOBAL PRECIPITATION MEASUREMENT

	(GPM) MISSION
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU1.L11: Clouds and Precipitation: TRMM/GPM
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Gail Skofronick-Jackson, Stephen (Joe) Munchak, Sarah Ringerud

View ADD <input type="checkbox"/>	Paper Code: MO4.L6.5 Paper Number: 3797
	Title: GEOGATEWAY: A SYSTEM FOR ANALYSIS OF UAVSAR DATA PRODUCTS
	Topic: Invited Sessions: Earth Observing Data Science
	Session: MO4.L6: Earth Observing Data Science II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Andrea Donnellan, Jay Parker, Margaret Glasscoe, Robert Granat, Marlon Pierce, Jun Wang, Yu (Marie) Ma, Lisa Grant Ludwig, John Rundle

View ADD <input type="checkbox"/>	Paper Code: TU3.L8.5 Paper Number: 3798
	Title: A generic approach for inversion of surface reflectance over land: Overview, application and validation using MODIS and LANDSAT8 Data
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TU3.L8: Thermal and Hyperspectral Sensors and Mapping
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Eric Vermote, Jean-Claude Roger, Chris Justice, Belen Franch, Martin Claverie

View ADD <input type="checkbox"/>	Paper Code: MOP.P3.19 Paper Number: 3799
	Title: A COMPARISON OF DIFFERENTIAL EVOLUTION AND HARMONY SEARCH METHODS FOR SVM MODEL SELECTION IN HYPERSPETRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P3: Classification of Hyperspectral Image I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Oguzhan Ceylan, Gulsen Taskin

View ADD <input type="checkbox"/>	Paper Code: MO4.L9.3 Paper Number: 3800
	Title: INTERFERENCE DETECTION AND ESTIMATION FOR SPATIAL FILTERING : APPLICATION TO RADIO INTERFEROMETRY
	Topic: Invited Sessions: Microwave Remote Sensing and Radio-Frequency Interference

	<p>Session: MO4.L9: Radio Frequency Interference in Microwave Remote Sensing and Radio Astronomy</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Gregory Hellbourg</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L8.3 Paper Number: 3801</p> <p>Title: WINDS AND CURRENTS MISSION: ABILITY TO OBSERVE MESOSCALE AIR/SEA COUPLING</p> <p>Topic: Mission, Sensors and Calibration: Satellite Missions</p> <p>Session: FR3.L8: Satellite Missions</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Mark Bourassa, Ernesto Rodriguez, Dudley Chelton</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P3.15 Paper Number: 3802</p> <p>Title: MAPPING EARTHQUAKE INDUCED LIQUEFACTION SURFACE EFFECTS FROM THE 2011 TOHOKU EARTHQUAKE USING SATELLITE IMAGERY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P3: Analysis of Multitemporal Optical Images</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Jing Zhu, Laurie Baise, Magaly Koch</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L8.4 Paper Number: 3803</p> <p>Title: VALIDATION OF THE DIGITALGLOBE SURFACE REFLECTANCE PRODUCT</p> <p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p> <p>Session: TU4.L8: Passive Optical: validation and calibration</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Fabio Pacifici</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L11.1 Paper Number: 3805</p> <p>Title: MONITORING THE ATMOSPHERIC ENVIRONMENT WITH JOINT POLAR SATELLITE SYSTEM (JPSS) REMOTE SENSING DATA PRODUCTS</p> <p>Topic: Atmosphere Applications: Atmospheric Sounding</p> <p>Session: WE3.L11: Atmospheric Sounding Sensors</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Lihang Zhou, Murty Divakarla, Xingpin Liu, Fuzhong Weng, Mitch Goldberg</p>

View ADD <input type="checkbox"/>	Paper Code: MOP.P22.127 Paper Number: 3806
	Title: ON THE PREDICTIVE VALUE OF THE WORLDVIEW-3 VNIR AND SWIR SPECTRAL BANDS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P22: Multi-source Images Fusion and Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Fabio Pacifici
View ADD <input type="checkbox"/>	Paper Code: TH4.L2.5 Paper Number: 3807
	Title: HADAMARD-WALSH RANDOM PROJECTION FOR HYPERSPPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TH4.L2: High Resolution Image Analysis
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Vineetha Menon, Qian Du, James Fowler
View ADD <input type="checkbox"/>	Paper Code: FR2.L10.1 Paper Number: 3808
	Title: UAVSAR POLINSAR AND TOMOGRAPHIC EXPERIMENTS IN GERMANY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: FR2.L10: PolSAR and PolInSAR Information Extraction II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Scott Hensley, Yunling Lou, Thierry Michel, Ron Muellerschoen, Brian Hawkins, Marco Lavallo, Naiara Pinto, Andreas Reigber, Matteo Pardini
View ADD <input type="checkbox"/>	Paper Code: WEP.P30.167 Paper Number: 3809
	Title: Assessment of satellite and ground-based estimates of surface currents
	Topic: Oceans: Ocean Surface Winds and Currents
	Session: WEP.P30: Ocean Waves and Currents
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Gisela K. Carvajal, Monika Wozniak, Céline Heuzé, Leif E. B. Eriksson, Johan Kronsell, Bengt Rydberg
View	Paper Code: TU4.L1.5 Paper Number: 3810
	Title: ROBUST MULTIBASELINE INSAR OPTIMIZATION

ADD <input type="checkbox"/>	Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques
	Session: TU4.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques II
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Yuanyuan Wang, Xiao Xiang Zhu

View ADD <input type="checkbox"/>	Paper Code: FR3.L5.5 Paper Number: 3811
	Title: STUDY OF WATER USE IN AGRICULTURAL LANDSCAPES AT HIGH SPATIOTEMPORAL RESOLUTION
	Topic: Land Applications: Agriculture
	Session: FR3.L5: Remote Sensing for Crop Water and Yield Estimation
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Yang Yang, Martha Anderson, Feng Gao, Yun Yang, Liang Sun

View ADD <input type="checkbox"/>	Paper Code: TH2.L9.4 Paper Number: 3812
	Title: IMPACT OF MULTI-PATH BY ISS STRUCTURE ON GEROS-ISS MEASURED WAVEFORMS
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: TH2.L9: Recent Advances in GNSS-R
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Hyuk Park, Adriano Camps, Ivan Sekulic, J.M. Rius, Daniel Pascual, Alberto Alonso-Arroyo, Jorge Querol, Raúl Onrubia

View ADD <input type="checkbox"/>	Paper Code: FR2.L4.5 Paper Number: 3813
	Title: ULTRA-WIDEBAND RADARS OPERATING OVER THE FREQUENCY RANGE OF 2-18 GHZ FOR MEASUREMENTS ON TERRESTRIAL SNOW AND ICE
	Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow
	Session: FR2.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Jie-Bang Yan, Sivaprasad Gogineni, David Braaten, John Brozena, Fernando Rodriguez-Morales, Emily Arnold

View ADD <input type="checkbox"/>	Paper Code: TU1.L8.2 Paper Number: 3814
	Title: CALIBRATION/VALIDATION ERROR BUDGETS, UNCERTAINTIES, TRACEABILITY AND THEIR IMPORTANCE TO IMAGING SPECTROMETRY
	Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions

	<p>Session: TU1.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions I</p> <p>Time: Tuesday, July 12, 08:20 - 10:00</p> <p>Authors: Kurtis Thome</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P9.48 Paper Number: 3818</p> <p>Title: GROUND-LEVEL DIGITAL TERRAIN MODEL (DTM) CONSTRUCTION FROM TANDEM-X INSAR DATA AND WORLDVIEW STEREO-PHOTOGRAMMETRIC IMAGES</p> <p>Topic: Land Applications: Topography, Geology and Geomorphology</p> <p>Session: THP.P9: Digital Terrain Models</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Seung-Kuk Lee, Temilola Fatoyinbo, David Lagomasino, Batuhan Osmanoglu, Emanulle Feliciano</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P17.92 Paper Number: 3819</p> <p>Title: AN APPROACH FOR DETECTING NATURAL GAS PIPELINE LEAKAGE BY USING LANDSAT-8 MULTISPECTRAL SATELLITE IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P17: Information Extraction</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Nazanin Etesami, Barat Mojaradi, Safa Khazai</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L5.2 Paper Number: 3820</p> <p>Title: AN ABOVE CANOPY RADAR MONITORING SYSTEM AT THE HARVARD FOREST</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: TU3.L5: Radar Forestry</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Paul Siqueira, Xingjian Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L10.3 Paper Number: 3821</p> <p>Title: MULTI-CHANNEL ULTRA-WIDEBAND RADAR SOUNDER AND IMAGER</p> <p>Topic: Invited Sessions: Future Digital Beamforming SAR Missions</p> <p>Session: TU4.L10: Future Digital Beamforming SAR Missions</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p>

	Authors: Rick Hale, Heinrich Miller, Sivaprasad Gogineni, Jie-Bang Yan, Fernando Rodriguez-Morales, Carl Leuschen, John Paden, Jilu Li, Tobias Binder, Daniel Steinhage, Martin Gehrman, David Braaten
View ADD <input type="checkbox"/>	Paper Code: WE4.L5.1 Paper Number: 3824
	Title: LONG-TERM DAILY FIELD-SCALE EVAPOTRANSPIRATION ESTIMATION USING MULTI-SATELLITE DATA FUSION IN AN INTENSIVELY DRAINED AGRICULTURAL AREA IN SOUTH DAKOTA, USA
	Topic: Invited Sessions: Remote Sensing for Ecology
	Session: WE4.L5: Remote Sensing for Ecology II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Yun Yang, Martha Anderson, Feng Gao, William Kustas, Christopher Hain, Tilden Meyers, Tim Wilson, Liang Sun, Yang Yang
View ADD <input type="checkbox"/>	Paper Code: MO4.L10.3 Paper Number: 3825
	Title: TIDAL FLAT DIGITAL EVELVATION MODEL (DEM) CONSTRUCTION BY MEANS OF TANDEM-X
	Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities
	Session: MO4.L10: TanDEM-X: Mission Status and Science Activities II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Seung-Kuk Lee, Joo-Hyung Ryu, Yoon-Kyung Lee, Kye-Lim Kim
View ADD <input type="checkbox"/>	Paper Code: WE3.L11.2 Paper Number: 3826
	Title: ENABLING THE NASA DECADAL-SURVEY "PATH" MISSION
	Topic: Atmosphere Applications: Atmospheric Sounding
	Session: WE3.L11: Atmospheric Sounding Sensors
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Bjorn Lambrigtsen, Todd Gaier, Pekka Kangaslahti, Boon Lim, Alan Tanner, Christopher Ruf
View ADD <input type="checkbox"/>	Paper Code: TUP.P28.149 Paper Number: 3827
	Title: SPATIO-TEMPORAL REGIONS' SIMILARITY FRAMEWORK FOR VHR SATELLITE IMAGE TIME SERIES ANALYSIS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TUP.P28: Multitemporal Analysis Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Safa Rejjichi, Ferdaous Chaabane

View ADD <input type="checkbox"/>	Paper Code: TU1.L5.3 Paper Number: 3828
	Title: Remote Sensing of Solar Induced Chlorophyll Fluorescence from satellites, airplanes and ground-based stations
	Topic: Invited Sessions: Remote Sensing of Vegetation Traits and Function
	Session: TU1.L5: Remote Sensing of Vegetation Traits and Function I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Christian Frankenberg, Darren Drewry, Sven Geier, Manish Verma, Peter Lawson, Jochen Stutz, Katja Grossmann

View ADD <input type="checkbox"/>	Paper Code: TH3.L5.5 Paper Number: 3830
	Title: GENERATION OF LARGE-SCALE FOREST HEIGHT MOSAIC AND FOREST DISTURBANCE MAP THROUGH THE COMBINATION OF SPACEBORNE REPEAT-PASS INSAR COHERENCE AND AIRBORNE LIDAR
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: TH3.L5: Forest Biomass
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Yang Lei, Paul Siqueira, Diya Chowdhury, Nathan Torbick

View ADD <input type="checkbox"/>	Paper Code: TH3.L8.5 Paper Number: 3831
	Title: 874-GHZ HETERODYNE CUBESAT RECEIVER FOR CLOUD ICE MEASUREMENTS-FLIGHT MODEL DATA
	Topic: Invited Sessions: Earth Remote Sensing with Small Satellites
	Session: TH3.L8: Earth Remote Sensing with Small Satellites I
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Eric Bryerton, Jeffrey Hesler, Steven Retzliff, Thomas Crowe

View ADD <input type="checkbox"/>	Paper Code: FR2.L12.3 Paper Number: 3832
	Title: RETRIEVAL OF SEA ICE THICKNESS DURING MELT SEASON FROM IN SITU, AIRBORNE AND SATELLITE IMAGERY
	Topic: Cryosphere: Sea Ice
	Session: FR2.L12: Sea Ice
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Larysa Istomina, Christian Melsheimer, Marcus Huntemann, Marcel Nicolaus, Georg Heygster

View ADD <input type="checkbox"/>	Paper Code: TU3.L12.5 Paper Number: 3833
	Title: AN AUTOMATIC METHOD FOR TROPICAL CYCLONE CENTER DETERMINATION FROM SAR

	Topic: Oceans: Ocean Surface Winds and Currents
	Session: TU3.L12: Remote Sensing of High Winds
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Qing Xu, Guosheng Zhang, Xiaofeng Li, Yongcun Cheng
View ADD <input type="checkbox"/>	Paper Code: TH2.L3.3 Paper Number: 3834
	Title: VHR SATELLITE IMAGE TIME SERIES ANALYSIS USING EXPERT KNOWLEDGE MODELING AND USER ASSISTANCE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH2.L3: Analysis of Image Time Series: Optical Sensors II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Safa Rejichi, Ferdaous Chaabane, Florence Tupin
View ADD <input type="checkbox"/>	Paper Code: TH2.L9.5 Paper Number: 3835
	Title: IMPROVEMENT OF PAU/PARIS END-TO-END PERFORMANCE SIMULATOR (P2EPS): LAND SCATTERING INCLUDING TOPOGRAPHY
	Topic: Mission, Sensors and Calibration: GNSS-R Sensors
	Session: TH2.L9: Recent Advances in GNSS-R
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Hyuk Park, Adriano Camps, Daniel Pascual, Alberto Alonso-Arroyo, Jorge Querol, Raúl Onrubia
View ADD <input type="checkbox"/>	Paper Code: THP.P28.152 Paper Number: 3836
	Title: INSAR PHASE OFFSET ESTIMATION FOR DEM GENERATION: IMPROVEMENT OF THE PERFORMANCES OF THE STOPBE AND IPBE ALGORITHMS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P28: SAR Interferometry I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Antonio Pauciuillo, Carmen Esposito, Stefano Perna
View ADD <input type="checkbox"/>	Paper Code: WE2.L1.1 Paper Number: 3837
	Title: EXTRACTION OF SEA SURFACE VELOCITY AND ELEVATION THROUGH A HYBRID AT/XT-INSAR AIRBORNE SYSTEM
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: WE2.L1: SAR Interferometry II
	Time: Wednesday, July 13, 10:30 - 12:10

	Authors: Stefano Perna, Carmen Esposito, Giuseppe Jackson, Gianfranco Fornaro, Antonio Natale, Antonio Pauciullo, Riccardo Lanari
View ADD <input type="checkbox"/>	Paper Code: TH1.L8.4 Paper Number: 3838
	Title: THE NOAA SATELLITE OBSERVING SYSTEM ARCHITECTURE STUDY
	Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet
	Session: TH1.L8: International Operational Satellite Missions to Monitor the Planet I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Stephen Volz, Mark Maier, David Dipietro
View ADD <input type="checkbox"/>	Paper Code: FR3.L4.3 Paper Number: 3839
	Title: A BACKSCATTERING AND PROPAGATION MODEL FOR RADAR SOUNDING OF ICE SHEETS
	Topic: Cryosphere: Ice Sheets and Glaciers
	Session: FR3.L4: Ice Sheets and Glaciers I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Jorgen Dall
View ADD <input type="checkbox"/>	Paper Code: WEP.P25.139 Paper Number: 3840
	Title: NEW SATELLITE ALTIMETRY MEASUREMENTS IN CHINA SEAS
	Topic: Oceans: Ocean Altimetry
	Session: WEP.P25: Ocean Altimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Yongcun Cheng, Qing Xu, Yuan Zhang, Shuangshang Zhang
View ADD <input type="checkbox"/>	Paper Code: TU1.L4.1 Paper Number: 3841
	Title: COMBINED ACTIVE AND PASSIVE MICROWAVE REMOTE SENSING OF SOIL MOISTURE FOR VEGETATED SURFACES AT L-BAND
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU1.L4: SMAP Soil Moisture I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Huanting Huang, Tien-Hao Liao, Leung Tsang, Eni G. Njoku, Andreas Colliander, Thomas Jackson, Simon Yueh
View ADD <input type="checkbox"/>	Paper Code: TH3.L11.2 Paper Number: 3842
	Title: SPACEBORNE MICROWAVE AND INFRARED RADIOMETRIC OBSERVATIONS DURING THE SUB-PLINIAN ERUPTION OF CALBUCO VOLCANO IN 2015

	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: TH3.L11: Air Pollution
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Frank S. Marzano, Mario Montopoli, Domenico Cimini, Arve Kylling

View ADD <input type="checkbox"/>	Paper Code: FR3.L12.3 Paper Number: 3843
	Title: Subsidence and Sea Level Rise Measurements for Houston and Galveston, Texas
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR3.L12: Marine Pollution and Disasters
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Jonathan Epps, Shuhab Khan

View ADD <input type="checkbox"/>	Paper Code: TU3.L11.1 Paper Number: 3844
	Title: RETRIEVAL OF PRECIPITATION EXTINCTION USING GROUND-BASED SUN-TRACKING MILLIMETER-WAVE RADIOMETRY
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU3.L11: Clouds and Precipitation III
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Frank S. Marzano, Luca Milani, Vinia Mattioli, Kevin M. Magde, George A. Brost

View ADD <input type="checkbox"/>	Paper Code: MO3.L11.3 Paper Number: 3846
	Title: RETRIEVALS OF TRACE GASES FROM HYPERSPECTRAL SOUNDERS
	Topic: Invited Sessions: Atmosphere Remote Sensing and their Application in Air Pollution
	Session: MO3.L11: Atmosphere Remote Sensing and its Application in Air Pollution I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Quanhua Liu, Xiaozhen Xiong, Flavio Iturbide-Sanchez, Xu Liu, Wan Wu, Antonia Gambacorta

View ADD <input type="checkbox"/>	Paper Code: WEP.P7.39 Paper Number: 3847
	Title: Forward-Looking SAR Imaging With Frequency Diverse Array Antenna
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Bistatic and digital beamforming SAR
	Session: WEP.P7: Bistatic and Digital Beamforming SAR II

	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Wen-Qin Wang
View ADD <input type="checkbox"/>	Paper Code: TUP.P1.4 Paper Number: 3848
	Title: TREE SPECIES CLASSIFICATION USING AIRBORNE HYPERSPECTRAL DATA IN SUB-TROPICAL MOUNTAINOUS FOREST
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P1: Aerial Images Analysis and Applications
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Wen Jia, Yong Pang, Shili Meng, Hongbo Ju, Zengyuan Li
View ADD <input type="checkbox"/>	Paper Code: MO3.L4.3 Paper Number: 3850
	Title: CALIBRATION AND VALIDATION OF THE SMAP L-BAND RADIOMETER
	Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission
	Session: MO3.L4: Observations by the NASA Soil Moisture Active Passive Mission I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Sidharth Misra, Jeffrey Piepmeier, Jinzheng Peng, Priscilla Mohammed, Derek Hudson, Giovanni De Amici, Emmanuel Dinnat, David Le Vine, Rajat Bindlish, Thomas Jackson
View ADD <input type="checkbox"/>	Paper Code: FR1.L6.3 Paper Number: 3851
	Title: OBJECT DETECTION USING OPTICAL AND LIDAR DATA FUSION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Image and Data Fusion
	Session: FR1.L6: Data Fusion Techniques
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Onur Tasar, Selim Aksoy
View ADD <input type="checkbox"/>	Paper Code: TUP.P36.196 Paper Number: 3852
	Title: MONITORING OF SUOMI-NPP OMPS CALIBRATION PARAMETERS AND UNDERSTANDING THEIR IMPACTS ON EARTH VIEW RADIANCE
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P36: Passive Optical Applications & Sensors
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ding Liang, Fuzhong Weng, Chunhui Pan, Ninghai Sun

<p>View</p> <p>ADD <input type="checkbox"/></p>	Paper Code: THP.P38.215 Paper Number: 3853
	Title: RPC ESTIMATION VIA FEATURE POINTS FOR URBAN AREAS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Tomography and 3D mapping
	Session: THP.P38: Tomography and 3D Mapping II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yiran Wang, Ye Zhang, Nan Su

<p>View</p> <p>ADD <input type="checkbox"/></p>	Paper Code: TU1.L1.5 Paper Number: 3854
	Title: TRACK COMPENSATION AND CALIBRATION OF CONTINUOUS MONITORING GEOSAR MISSIONS
	Topic: Invited Sessions: Advances on Spaceborne SAR Imaging
	Session: TU1.L1: Advances on Spaceborne SAR Imaging I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Antoni Broquetas, David Casado, Roger Martin, Marc Fernández, Andrea Monti-Guarnieri, Antonio Leanza

<p>View</p> <p>ADD <input type="checkbox"/></p>	Paper Code: TH3.L5.1 Paper Number: 3855
	Title: ESTIMATION OF FOREST STEM VOLUME USING ALOS-2 PALSAR-2 SATELLITE IMAGES
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: TH3.L5: Forest Biomass
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Johan E. S. Fransson, Maurizio Santoro, Jörgen Wallerman, Henrik J. Persson, Albert R. Monteith, Leif E. B. Eriksson, Mats Nilsson, Håkan Olsson, Maciej J. Soja, Lars M. H. Ulander

<p>View</p> <p>ADD <input type="checkbox"/></p>	Paper Code: TH2.L2.3 Paper Number: 3856
	Title: DETECTION OF COMPOUND STRUCTURES BY REGION GROUP SELECTION FROM HIERARCHICAL SEGMENTATIONS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH2.L2: Region Based Image Classification
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: H. Gokhan Akcay, Selim Aksoy

<p>View</p> <p>ADD <input type="checkbox"/></p>	Paper Code: MO3.L7.1 Paper Number: 3857
	Title: EVALUATION OF ET DATA PRODUCTS: PARAMETERIZATIONS, RATE LIMITING PROCESS AND INFLUENTIAL SURFACE PROPERTIES

Topic: Invited Sessions: Remote Sensing of Land Surface Evapotranspiration
Session: MO3.L7: Remote Sensing of Land Surface Evapotranspiration I
Time: Monday, July 11, 13:30 - 15:10
Authors: Massimo Menenti, Li Jia, Alijafar Mousivand, Guangcheng Hu, Chaolei Zheng, Jing Lu

View ADD <input type="checkbox"/>	Paper Code: FR4.L7.5 Paper Number: 3858
	Title: TWO-STEP APPROACH BASED ON STATISTICAL MODELLING TO MAP BUILDINGS AT GLOBAL SCALE USING SENTINEL-1 SAR DATA
	Topic: Land Applications: Urban and Built Environment
	Session: FR4.L7: SAR Urban Remote Sensing
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Marco Chini, Patrick Matgen

View ADD <input type="checkbox"/>	Paper Code: MOP.P12.68 Paper Number: 3859
	Title: COMBINATION OF TEXTURE AND SHAPE ANALYSIS FOR A RAPID RIVERS EXTRACTION FROM HIGH RESOLUTION SAR IMAGES
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P12: Detection with High Resolution Images
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Moslem Ouled Sghaier, Samuel Foucher, Richard Lepage, Mohamed Dahmane

View ADD <input type="checkbox"/>	Paper Code: TH2.L6.1 Paper Number: 3860
	Title: LANDSLIDE PREDICTION USING SOIL MOISTURE ESTIMATION DERIVED FROM POLARIMETRIC RADARSAT-2 DATA AND SRTM
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: TH2.L6: Surface Hazards and Anomalies
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Shiyu Luo, Kamal Sarabandi, Ling Tong, Leland Pierce

View ADD <input type="checkbox"/>	Paper Code: FR2.L8.2 Paper Number: 3861
	Title: FMCW RADAR IN THE DIGITAL AGE
	Topic: Mission, Sensors and Calibration: Small Satellite Technology
	Session: FR2.L8: Radar Remote Sensing Missions
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Dirk Klugmann

View ADD <input type="checkbox"/>	Paper Code: MO4.L4.5 Paper Number: 3862
	Title: SURFACE SOIL MOISTURE RETRIEVAL USING L-BAND SMAP SAR DATA AND ITS VALIDATION
	Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission
	Session: MO4.L4: Observations by the NASA Soil Moisture Active Passive Mission II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Seung-Bum Kim, Jakob Van Zyl, Joel Johnson, Mahta Moghaddam, Leung Tsang, Andreas Colliander, Scott Dunbar, Thomas Jackson, Sermsak Jaruwatanadilok, Richard West, Aaron Berg, Todd Caldwell, Michael Cosh, Ernesto Lopez-Baeza, Marc Thibeault, Jeffrey Walker, Dara Entekhabi, Simon Yueh
View ADD <input type="checkbox"/>	Paper Code: MOP.P21.121 Paper Number: 3863
	Title: INTER-CALIBRATION OF MICROWAVE RADIOMETERES ON POLAR ORBITERS IN THE GPM CONSTELLATION
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P21: Microwave Radiometry
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Hamideh Ebrahimi, Ruiyao Chen, Thomas Wilheit, Saswati Datta, W. Linwood Jones
View ADD <input type="checkbox"/>	Paper Code: WE4.L5.3 Paper Number: 3864
	Title: Monitoring Forage Production in Rangeland Using Remote Sensing Observations
	Topic: Invited Sessions: Remote Sensing for Ecology
	Session: WE4.L5: Remote Sensing for Ecology II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Yufang Jin
View ADD <input type="checkbox"/>	Paper Code: TU2.L8.4 Paper Number: 3865
	Title: AUTONOMOUS FIELD SPECTRORADIOMETERS
	Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions
	Session: TU2.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Christopher MacLellan

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L8.5 Paper Number: 3866</p>
	<p>Title: S-NPP VIIRS CALIBRATION AND PERFORMANCE UPDATE</p>
	<p>Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration</p>
	<p>Session: TU4.L8: Passive Optical: validation and calibration</p>
	<p>Time: Tuesday, July 12, 15:40 - 17:20</p>
	<p>Authors: Xiaoxiong Xiong, Changyong Cao, Zhipeng Wang, Ning Lei, Vincent Chiang, Slawomir Blonski, Jim Butler</p>

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P10.57 Paper Number: 3867</p>
	<p>Title: CloudArray: Easing Huge Image Processing</p>
	<p>Topic: Data Management and Education: Data Management and Systems</p>
	<p>Session: MOP.P10: Data Management and Systems I</p>
	<p>Time: Monday, July 11, 17:20 - 19:00</p>
	<p>Authors: Andre Lage-Freitas, Alejandro C. Frery, Naelson Oliveira, Raphael Ribeiro, Rivo Sarmiento</p>

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L5.3 Paper Number: 3868</p>
	<p>Title: MULTI-BAND SAR DATA FOR RANGELAND PASTURE MONITORING</p>
	<p>Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring</p>
	<p>Session: MO4.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring II</p>
	<p>Time: Monday, July 11, 15:40 - 17:20</p>
	<p>Authors: Zheng-Shu Zhou, Peter Caccetta, Neil Sims, Alex Held</p>

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L11.4 Paper Number: 3869</p>
	<p>Title: SPATIAL AND TEMPORAL VARIATIONS OF MASS-WEIGHTED MEAN DIAMETER ESTIMATED BY GPM/DPR</p>
	<p>Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms</p>
	<p>Session: WE2.L11: Global Precipitation Measurement Instruments and Algorithms II</p>
	<p>Time: Wednesday, July 13, 10:30 - 12:10</p>
	<p>Authors: Shinta Seto, Tatsuya Shimozuma, Toshio Iguchi, Toshiaki Kozu</p>

<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P26.166 Paper Number: 3870</p>
	<p>Title: SUPERVISED CLASSIFICATION USING POLARIMETRIC SAR DECOMPOSITION PARAMETERS TO DETECT ANOMALIES ON</p>

	EARTHEN LEVEES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P26: SAR and Sonar Image Analysis and Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Ramakalavathi Marapareddy, James Aanstoos, Nicolas Younan, Lori Bruce

View ADD <input type="checkbox"/>	Paper Code: TU4.L9.5 Paper Number: 3871
	Title: L-BAND RADIOMETER CALIBRATION CONSISTENCY ASSESSMENT FOR THE SMOS, SMAP AND AQUARIUS INSTRUMENTS
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU4.L9: Radiometer Cross-Calibration
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Emmanuel Dinnat, David Le Vine

View ADD <input type="checkbox"/>	Paper Code: MOP.P20.116 Paper Number: 3872
	Title: POINTING AND GEOLOCATION FOR THE SMAP PASSIVE INSTRUMENT
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P20: Microwave Radiometer Calibration and Emerging Techniques
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Giovanni De Amici, Jeffrey Piepmeier, Derek Hudson, Jinzheng Peng

View ADD <input type="checkbox"/>	Paper Code: TU1.L11.3 Paper Number: 3874
	Title: ENHANCEMENT OF DUAL-FREQUENCY CLASSIFICATION MODULE FOR GPM DPR
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU1.L11: Clouds and Precipitation: TRMM/GPM
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Minda Le, V. Chandrasekar

View ADD <input type="checkbox"/>	Paper Code: TU2.L1.1 Paper Number: 3876
	Title: Digital Beamforming Techniques for Multi-Channel Synthetic Aperture Radar
	Topic: Invited Sessions: Advances on Spaceborne SAR Imaging

	Session: TU2.L1: Advances on Spaceborne SAR Imaging II Time: Tuesday, July 12, 10:30 - 12:10 Authors: Marwan Younis, Felipe Queiroz de Almeida, Federica Bordoni, Paco López-Dekker, Gerhard Krieger
View ADD <input type="checkbox"/>	Paper Code: WE3.L3.2 Paper Number: 3877 Title: COHERENT CHANGE DETECTION USING TEMPORAL DECORRELATION MODEL FOR VOLCANIC ASH DETECTION Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis Session: WE3.L3: Analysis of Image Time Series: SAR Sensors Time: Wednesday, July 13, 13:30 - 15:10 Authors: Jungkyo Jung, Duk-Jin Kim, Marco Lavallo, Sang-Ho Yun
View ADD <input type="checkbox"/>	Paper Code: TUP.P43.237 Paper Number: 3878 Title: IMPROVING INDIVIDUAL TREE DELINEATION USING MULTIPLE-WAVELENGTH LIDAR DATA Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering Session: TUP.P43: Vegetation and Tree Remote Sensing Time: Tuesday, July 12, 17:20 - 19:00 Authors: Baoxin Hu
View ADD <input type="checkbox"/>	Paper Code: TUP.P13.66 Paper Number: 3879 Title: A HYBRID LIDAR APPROACH TO COMPENSATION OF SEA SURFACE BEAM STEERING FOR BATHYMETRIC LIDAR Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion Session: TUP.P13: Data Fusion Techniques: Active / Passive Sensor Fusion Time: Tuesday, July 12, 17:20 - 19:00 Authors: Grady Tuell, Domenic Carr
View ADD <input type="checkbox"/>	Paper Code: WEP.P28.155 Paper Number: 3880 Title: KU-BAND SCATTEROMETER SST SENSITIVITY AND GEOPHYSICAL MODEL FUNCTION Topic: Oceans: Ocean Surface Winds and Currents Session: WEP.P28: Ocean Surface Winds II Time: Wednesday, July 13, 17:20 - 19:00 Authors: Zhixiong Wang, Ad Stoffelen, Anton Verhoef

View ADD <input type="checkbox"/>	Paper Code: MOP.P40.254 Paper Number: 3881
	Title: MULTITEMPORAL MONITORING OF THE FOREST COVER IN CÔTE D'IVOIRE FROM THE 1960S TO THE 2000S, USING LANDSAT SATELLITE IMAGES
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P40: Vegetation Monitoring I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Moussa Koné, Lacina Coulibaly, Yao L. Kouadio, Danho F.R. Neuba, Djah F. Malan

View ADD <input type="checkbox"/>	Paper Code: TU1.L4.5 Paper Number: 3882
	Title: METHOD FOR UPSCALING IN-SITU SOIL MOISTURE MEASUREMENTS FOR CALIBRATION AND VALIDATION OF SMAP SOIL MOISTURE PRODUCTS
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU1.L4: SMAP Soil Moisture I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Jane Whitcomb, Daniel Clewley, Ruzbeh Akbar, Agnelo Silva, Aaron Berg, Justin Adams, Mahta Moghaddam

View ADD <input type="checkbox"/>	Paper Code: WEP.P41.230 Paper Number: 3883
	Title: A Multilayer Soil Texture Dataset for Permafrost Modeling over Qinghai–Tibetan Plateau
	Topic: Cryosphere: Snow Cover
	Session: WEP.P41: Snow Cover II
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xiaobo Wu, Zhuotong Nan

View ADD <input type="checkbox"/>	Paper Code: WE1.L7.1 Paper Number: 3886
	Title: DART: RADIATIVE TRANSFER MODELING FOR SIMULATING TERRAIN, AIRBORNE AND SATELLITE SPECTRORADIOMETER AND LIDAR ACQUISITIONS AND 3D RADIATIVE BUDGET OF NATURAL AND URBAN LANDSCAPES
	Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain
	Session: WE1.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Jean-Philippe Gastellu-Etchegorry, Nicolas Lauret, Tiangang Yin, Lucas Landier, Ahmad Al Bitar, Josselin Aval, Jordan Guilleux,

Christopher Jan, Eric Chavanon	
View ADD <input type="checkbox"/>	Paper Code: TU2.L4.4 Paper Number: 3888
	Title: EVALUATION OF THE FY-3B/MWRI SOIL MOISTURE PRODUCT ON THE CENTRAL TIBETAN PLATEAU
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU2.L4: Passive Microwave Soil Moisture I
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Yaokui Cui, Di Long, Yang Hong, Zhongying Han, Chao Zeng, Xueyan Hou
View ADD <input type="checkbox"/>	Paper Code: FR4.L10.4 Paper Number: 3889
	Title: POLARIMETRIC ANGLE COMPENSATION TO QUAD-POL SAR DATA FOR DETECTING DEFORMED BUILDINGS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: FR4.L10: SAR Polarimetry II
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Ryoichi Sato, Motoki Masaka, Yoshio Yamaguchi, Hiroyoshi Yamada
View ADD <input type="checkbox"/>	Paper Code: FR3.L1.5 Paper Number: 3890
	Title: INSAR DATUM CONNECTION USING GNSS-AUGMENTED RADAR TRANSPONDERS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR3.L1: Differential SAR Interferometry I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: P. Mahapatra, H. van der Marel, F.J. van Leijen, S. Samiei-Esfahany, R. Klees, Ramon Hanssen
View ADD <input type="checkbox"/>	Paper Code: MOP.P3.18 Paper Number: 3891
	Title: JOINT MULTI-FEATURE HYPERSPECTRAL IMAGE CLASSIFICATION WITH SPATIAL CONSTRAINT IN SEMANTIC MANIFOLD
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P3: Classification of Hyperspectral Image I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Xiangrong Zhang, Zeyu Gao, Jinliang An, Yanning Hu, Yangyang Li, Biao Hou

View ADD <input type="checkbox"/>	Paper Code: TU3.L7.1 Paper Number: 3892
	Title: MICROWAVE MODELING OF VEGETATION: A HISTORICAL PROSPECTIVE
	Topic: Invited Sessions: Physical Models in Microwave Remote Sensing
	Session: TU3.L7: Physical Models in Microwave Remote Sensing I
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Roger Lang
View ADD <input type="checkbox"/>	Paper Code: TU1.L7.5 Paper Number: 3893
	Title: ANOMALY DETECTION IN HYPERSPECTRAL IMAGES THROUGH SPECTRAL UNMIXING AND LOW RANK DECOMPOSITION
	Topic: Student Paper Competition:
	Session: TU1.L7: Student Paper Contest Finalists I
	Time: Tuesday, July 12, 08:20 - 10:00
	Authors: Ying Qu, Rui Guo, Wei Wang, Hairong Qi, Bulent Ayhan, Chiman Kwan, Steven Vance
View ADD <input type="checkbox"/>	Paper Code: FR3.L12.1 Paper Number: 3896
	Title: Remote Sensing of Marine Debris
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: FR3.L12: Marine Pollution and Disasters
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Delwyn Moller, Yi Chao, Nikolai Maximenko
View ADD <input type="checkbox"/>	Paper Code: TH1.L10.3 Paper Number: 3897
	Title: EXPERIMENTAL STUDY ON MULTI-BASELINE POLSAR SCATTERING COMPONENT DECOMPOSITION
	Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction
	Session: TH1.L10: Advanced Methods for Polarimetric SAR Information Extraction I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Hiroyoshi Yamada, Motofumi Arii, Ryoichi Sato, Yoshio Yamaguchi, Shoichiro Kojima
View ADD <input type="checkbox"/>	Paper Code: FR3.L4.1 Paper Number: 3901
	Title: A PARTIALLY COHERENT MICROWAVE EMISSION MODEL FOR POLAR ICE SHEETS WITH DENSITY FLUCTUATIONS AND MULTILAYER ROUGH INTERFACES FROM 0.5 TO 2 GHZ
	Topic: Cryosphere: Ice Sheets and Glaciers

Session: FR3.L4: Ice Sheets and Glaciers I
Time: Friday, July 15, 13:30 - 15:10
Authors: Leung Tsang, Tian-Lin Wang, Joel Johnson, Kenneth Jezek, Shurun Tan

View ADD <input type="checkbox"/>	Paper Code: MO4.L1.3 Paper Number: 3902
	Title: RADIOMETRICALLY ROBUST SUPERRESOLUTION TOMOGRAPHY: FIRST ANALYSES
	Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications
	Session: MO4.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Fabrizio Lombardini, Federico Viviani

View ADD <input type="checkbox"/>	Paper Code: THP.P22.117 Paper Number: 3903
	Title: EVALUATION OF LANDSAT 8 TIME SERIES IMAGE STACKS FOR PREDICITNG YIELD AND YIELD COMPONENTS OF WINTER WHEAT
	Topic: Land Applications: Agriculture
	Session: THP.P22: Remote Sensing for Crop Yield and Classification
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Renzhong Song, Tao Cheng, Xia Yao, Yongchao Tian, Yan Zhu, Weixing Cao

View ADD <input type="checkbox"/>	Paper Code: TH3.L4.2 Paper Number: 3904
	Title: POLARIMETRIC GNSS-R MEASUREMENTS FOR SOIL MOISTURE AND VEGETATION SENSING
	Topic: Land Applications: Soils and Soil Moisture
	Session: TH3.L4: New Approaches to Soil Moisture
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Yan Jia, Patrizia Savi

View ADD <input type="checkbox"/>	Paper Code: TH4.L12.5 Paper Number: 3906
	Title: DETECTING RED TIDE USING SPECTRAL SHAPES
	Topic: Oceans: Ocean Biology (Color) and Water Quality
	Session: TH4.L12: Ocean Biology and Water Quality
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Abdullah Rahman, Aslan Aslan

View	Paper Code: TH2.L7.3 Paper Number: 3908
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ADD <input type="checkbox"/>	<p>Title: DROUGHT RESILIENCE OF AUSTRALIAN RANGELANDS UNDER INTENSE HYDROCLIMATIC VARIABILITY</p> <p>Topic: Land Applications: Land Cover Dynamics</p> <p>Session: TH2.L7: Land Cover Dynamics</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Leandro Giovannini, Xuanlong Ma, Alfredo Huete</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L3.4 Paper Number: 3909</p> <p>Title: SPATIO-TEMPORAL ANALYSIS OF BIOMASS BURNING IN INSULAR SOUTHEAST ASIA USING EMPIRICAL ORTHOGONAL FUNCTION (EOF)</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TH2.L3: Analysis of Image Time Series: Optical Sensors II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Soo Chin Liew</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L7.3 Paper Number: 3910</p> <p>Title: A CNN based functional zone classification method for aerial images</p> <p>Topic: Land Applications: Land Use Applications</p> <p>Session: TH1.L7: Land Use and Land Cover Applications</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Zhengxin Zhang, Yunhong Wang, Qingjie Liu, Lingling Li, Ping Wang</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE4.L9.3 Paper Number: 3912</p> <p>Title: MAPS RISK GENERATIONS FOR VOLCANIC ASH MONITORING USING MODIS DATA AND ITS APPLICATION IN RISK MAPS FOR AVIATION HAZARD MITIGATION: CASE OF STUDY POPOCATEPETL VOLCANO (MEXICO)</p> <p>Topic: Invited Sessions: Contributing to the Understanding of our Planet through Remote Sensing: A Mexican Perspective</p> <p>Session: WE4.L9: The Mexican Perspective to the Understanding of our Planet through Remote Sensing</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Jose Carlos Jimenez-Escalona, Alejandro Monsivais-Huertero, Jose Eduardo Avila-Razo</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU4.L4.2 Paper Number: 3913</p> <p>Title: POLARIMETRIC DECOMPOSITION OF C-BAND SAR DATA FOR SOIL MOISTURE RETRIEVAL OVER AGRICULTURAL FIELDS</p>

	Topic: Land Applications: Soils and Soil Moisture
	Session: TU4.L4: Radar Soil Moisture I
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Hongquan Wang, Ramata Magagi, Kalifa Goïta
View ADD <input type="checkbox"/>	Paper Code: TU4.L11.4 Paper Number: 3914
	Title: IMPLEMENTATION AND EVALUATION OF OPTIMAL SPECTRAL SAMPLING METHOD IN CRTM
	Topic: Atmosphere Applications: Numerical Weather Prediction and Data Assimilation
	Session: TU4.L11: Numerical Weather Prediction and Data Assimilation
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Tong Zhu, Jean-Luc Moncet, Sid-Ahmed Boukabara, Quanhua Liu, Paul Van Delst
View ADD <input type="checkbox"/>	Paper Code: WEP.P24.135 Paper Number: 3915
	Title: POTENTIAL OF PHOTON-COUNTING LIDAR IN VEGETATION ATTRIBUTES ESTIMATION THROUGH MODELING AND DATA ANALYSES
	Topic: Mission, Sensors and Calibration: Lidar Sensors
	Session: WEP.P24: Lidar Systems and Techniques
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Guoqing Sun, Zhiyu Zhang, Wenjian Ni
View ADD <input type="checkbox"/>	Paper Code: FR3.L1.1 Paper Number: 3916
	Title: QUANTITATIVE ANALYSIS OF THE WATER VAOPR EFFECTS ON THE INTERFEROMETRIC MEASUREMENTS
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry
	Session: FR3.L1: Differential SAR Interferometry I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Xi'AI Cui, Qiming Zeng, Cunren Liang, Jian Jiao
View ADD <input type="checkbox"/>	Paper Code: MOP.P4.23 Paper Number: 3917
	Title: SPATIALLY CONSTRAINED BAG-OF-VISUAL-WORDS FOR HYPERSPECTRAL IMAGE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P4: Classification of Hyperspectral Image II
	Time: Monday, July 11, 17:20 - 19:00

	Authors: Xiangrong Zhang, Kai Jiang, Yaoguo Zheng, Jinliang An, Yanning Hu, Licheng Jiao
View ADD <input type="checkbox"/>	Paper Code: MOP.P19.107 Paper Number: 3918 Title: ANALYSIS OF RFI STATISTICS FOR AQUARIUS RFI DETECTION AND MITIGATION IMPROVEMENTS Topic: Mission, Sensors and Calibration: Satellite Missions Session: MOP.P19: Microwave and Optical Calibration Time: Monday, July 11, 17:20 - 19:00 Authors: Paolo de Matthaëis, Yan Soldo, David Le Vine
View ADD <input type="checkbox"/>	Paper Code: WE1.L6.1 Paper Number: 3920 Title: GAME THEORY BASED DATA FUSION FOR PRECISION AGRICULTURE APPLICATIONS Topic: Invited Sessions: Data Fusion Session: WE1.L6: Data Fusion I Time: Wednesday, July 13, 08:20 - 10:00 Authors: Lori Bruce, Daniel Reynolds
View ADD <input type="checkbox"/>	Paper Code: FR2.L3.4 Paper Number: 3924 Title: ROBUST NONLINEAR UNMIXING OF HYPERSPECTRAL IMAGES WITH A LINEAR-MIXTURE/NONLINEAR-FLUCTUATION MODEL Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing Session: FR2.L3: Spectral Unimixing Techniques II Time: Friday, July 15, 10:30 - 12:10 Authors: Jie Chen, Cedric Richard
View ADD <input type="checkbox"/>	Paper Code: WEP.P8.41 Paper Number: 3927 Title: STUDY ON A MODIFIED ASSESSMENT OF SEISMIC INTENSITY BASED ON BOTH MULTI-SOURCE RS IMAGES AND SPATIAL GRID ANALYSIS Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution Session: WEP.P8: Disaster Assessment Time: Wednesday, July 13, 17:20 - 19:00 Authors: Xiaoqing Wang, Aixia Dou, Xiang Ding, Xiaoxiang Yuan, Hongyi Wang
View	Paper Code: TH3.L1.5 Paper Number: 3928

ADD <input type="checkbox"/>	<p>Title: FOCUSING AND COMPENSATION METHODS FOR PHYSICAL SCATTERING IN SUBSPACE-BASED IMAGING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: TH3.L1: SAR Imaging Techniques V</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Jon Mitchell, Saibun Tjuatja, Jonathan Bredow</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU4.L7.3Paper Number: 3930</p> <p>Title: FORWARD AND INVERSE MODELS FOR SEA ICE PHYSICAL PARAMETER RETRIEVAL</p> <p>Topic: Invited Sessions: Physical Models in Microwave Remote Sensing</p> <p>Session: TU4.L7: Physical Models in Microwave Remote Sensing II</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Yu Jen Lee, Kee Choon Yeong, Hong Tat Ewe</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR3.L1.4Paper Number: 3931</p> <p>Title: COHERENCE MODEL ESTIMATION IN SUPPORT OF EFFICIENT RECURSIVE INSAR TIME-SERIES PROCESSING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Differential SAR Interferometry</p> <p>Session: FR3.L1: Differential SAR Interferometry I</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Franz Meyer, Wenyu Gong</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P36.229Paper Number: 3932</p> <p>Title: THE USE OF AHI DATA IN PREPARATION FOR ABI ALGORITHMS IN SAPF</p> <p>Topic: Mission, Sensors and Calibration: Satellite Missions</p> <p>Session: MOP.P36: Satellite Missions</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Aiwu Li, Shanna Sampson, Walter Wolf, Tianxu Yu, Ruiyue Chen, Meizhu Fan, Hua Xie, Alexander Ken, Rickey Rollins, Veena Jose, Zhuo Zhang, Yunhui Zhao, William Straka</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P30.169Paper Number: 3933</p> <p>Title: Ionospheric effect correction of ice motion mapping using Interferometric Synthetic Aperture Radar</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: THP.P30: SAR Interferometry III</p>

	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Heming Liao, Franz Meyer
View ADD <input type="checkbox"/>	Paper Code: TH3.L6.5 Paper Number: 3935
	Title: MINERAL INFORMATION AT MICRON TO KILOMETER SCALES: LABORATORY, FIELD, AND REMOTE SENSING IMAGING SPECTROMETER DATA FROM THE ORANGE HILL PORPHYRY COPPER DEPOSIT, ALASKA, USA
	Topic: Invited Sessions: Minerals and Hydrocarbons
	Session: TH3.L6: Minerals and Hydrocarbons I
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Raymond Kokaly, Todd Hoefen, Garth Graham, Karen Kelley, Michaela Johnson, Bernard Hubbard, Richard Goldfarb, Marcel Buchhorn, Anupma Prakash
View ADD <input type="checkbox"/>	Paper Code: TUP.P12.59 Paper Number: 3936
	Title: ESTIMATING BOREAL FOREST CANOPY HEIGHT AND ABOVE GROUND BIOMASS USING MULTI-MODAL REMOTE SENSING; A DATABASE DRIVEN APPROACH
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P12: Data Fusion Applications: Vegetation
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Michael Benson, Leland Pierce, Kamal Sarabandi
View ADD <input type="checkbox"/>	Paper Code: TU3.L11.4 Paper Number: 3937
	Title: THE EFFECT OF CLOUD OPTICAL THICKNESS, GROUND SURFACE ALBEDO AND ABOVE-CLOUD ABSORBING DUST LAYER ON THE CLOUDBOW STRUCTURE
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: TU3.L11: Clouds and Precipitation III
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Huazhe Shang, Liangfu Chen, Husi Letu, Shenshen Li, Songlin Jia, Yang Wang
View ADD <input type="checkbox"/>	Paper Code: TU2.L10.1 Paper Number: 3940
	Title: RECENT RAPID DISASTER RESPONSE PRODUCTS DERIVED FROM COSMO-SkyMed SYNTHETIC APERTURE RADAR DATA
	Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities
	Session: TU2.L10: COSMO-SkyMed Mission: Current and Future Activities II

	<p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Sang-Ho Yun, Susan Owen, Frank Webb, Hook Hua, Pietro Milillo, Eric Fielding, Mark Simons, Piyush Agram, Cunren Liang, Angelyn Moore, Patrizia Sacco, Eric Gurrola, Gerald Manipon, Paul Rosen, Paul Lundgren, Alessandro Coletta</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P34.189 Paper Number: 3941</p> <p>Title: COMPLETE DICTIONARY ONLINE LEARNING FOR SPARSE UNMIXING</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P34: Spectral Unmixing Techniques II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Ruyi Feng, Yanfei Zhong, Liangpei Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L7.5 Paper Number: 3942</p> <p>Title: MONITORING AND ANALYSIS OF LAND USE CHANGE IN XIAMEN HARBOR AREA BASED ON MULTI-SOURCE REMOTE SENSING IMAGES</p> <p>Topic: Invited Sessions: Urbanization and Environmental Change</p> <p>Session: FR2.L7: Urbanization and Environmental Change II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Jing Li, Lingyao Bai, Jingrong Li, Yihuang Nie, Peiguo Yang, Jianhui Qin, Ran Qu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L11.4 Paper Number: 3943</p> <p>Title: CHARACTERIZING POLLUTION WEATHER PATTERNS USING SATELLITE CARBON MONOXIDE DATA</p> <p>Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry</p> <p>Session: TH1.L11: Aerosols and Atmospheric Chemistry I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Hailing Yuan, Jane Liu, Lei Lei, Han Han</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P1.5 Paper Number: 3944</p> <p>Title: Using superpixels to improve the efficiency of Laplacian Eigenmap based methods for target detection in hyperspectral imagery</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: THP.P1: Hyperspectral Target Detection</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Xuwen Zhang, Yilong Liang, Nathan Cahill</p>

View ADD <input type="checkbox"/>	Paper Code: TU2.L7.5 Paper Number: 3945
	Title: INTER-ELEMENT PHASE SELF-CALIBRATION FOR GIMS (GEOSTATIONARY INTERFEROMETRIC MICROWAVE SOUNDER)
	Topic: Student Paper Competition:
	Session: TU2.L7: Student Paper Contest Finalists II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Donghao Han, Hao Liu, Ji Wu, Cheng Zhang
View ADD <input type="checkbox"/>	Paper Code: TUP.P39.209 Paper Number: 3946
	Title: A MULTI-OBJECTIVE OPTIMIZATION APPROACH TO COMBINED RADAR-RADIOMETER SOIL MOISTURE ESTIMATION
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P39: SMAP Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Ruzbeh Akbar, Steven Chan, Narendra Das, Seung-Bum Kim, Dara Entekhabi, Mahta Moghaddam
View ADD <input type="checkbox"/>	Paper Code: MO4.L12.2 Paper Number: 3948
	Title: DATA FUSION OF SEA SURFACE HEIGHT ANOMALY FROM HY-2A AND JASON-2
	Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites
	Session: MO4.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Yalong Liu, Ke Xu, Youguang Zhang
View ADD <input type="checkbox"/>	Paper Code: WEP.P11.60 Paper Number: 3950
	Title: RETRIEVING MODIS BAND REFLECTANCE AT CLOUDY PIXELS CONSIDERING SPATIAL HETEROGENEITY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P11: Estimation and Regression Applications: Denoising
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Bo Gao, Huili Gong, Li Jia, Qiang Liu, Peng Guo
View ADD <input type="checkbox"/>	Paper Code: MO3.L9.3 Paper Number: 3952
	Title: SOIL MOISTURE ACTIVE/PASSIVE (SMAP) RADIOMETER SUBBAND CALIBRATION AND CALIBRATION DRIFT
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration

	<p>Session: MO3.L9: L-band Microwave Radiometry</p> <p>Time: Monday, July 11, 13:30 - 15:10</p> <p>Authors: Jinzheng Peng, Jeffrey Piepmeier, Giovanni De Amici, Priscilla Mohammed</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L7.5 Paper Number: 3955</p> <p>Title: THE UNIFIED MODEL OF BRDF FOR THE VEGETATION CANOPY</p> <p>Topic: Invited Sessions: Multi-scale Remote Sensing Modeling Over Complex Terrain</p> <p>Session: WE1.L7: Multi-scale Remote Sensing Modeling Over Complex Terrain I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Xiru Xu, Wenjie Fan, Jvcai Li, Peng Zhao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L5.3 Paper Number: 3956</p> <p>Title: NEW OPERATIONAL REAL-TIME DAILY ROLLING WEEKLY GREEN VEGETATION FRACTION PRODUCT DERIVED FROM SUOMI NPP VIIRS REFLECTANCE DATA</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: WE2.L5: Vegetation Monitoring by Optical Instruments II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Zhangyan Jiang, Marco Vargas, Ivan Csiszar</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L2.4 Paper Number: 3957</p> <p>Title: EFFICIENT SEMI-SUPERVISED FEATURE SELECTION FOR VHR REMOTE SENSING IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction</p> <p>Session: TU2.L2: Feature Extraction and Application</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Xi Chen, Lin Song, Wei Liu, Yuguan Hou, Ye Zhang, Guofan Shao</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR1.L12.2 Paper Number: 3958</p> <p>Title: MEASUREMENTS OF INTERTIDAL FLAT TOPOGRAPHY USING A LONG-BASELINE AIRBORNE INTERFEROMETRIC SAR</p> <p>Topic: Oceans: Coastal Zones</p> <p>Session: FR1.L12: Coastal Zones</p> <p>Time: Friday, July 15, 08:20 - 10:00</p>

	Authors: Duk-Jin Kim, Changhyun Choi, Jungkyo Jung, Ki-mook Kang, Seung Hee Kim, Ji-Hwan Hwang
View ADD <input type="checkbox"/>	Paper Code: MO4.L1.4 Paper Number: 3960
	Title: DISPLACEMENT ESTIMATION AND MONITORING EXPERIMENTS BASED ON TIME-SERIES SAR IMAGING
	Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications
	Session: MO4.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Yanping Wang, Wen Hong, Yaolong Qi, Xiaolin Yang, Haitao Ma
View ADD <input type="checkbox"/>	Paper Code: MOP.P9.53 Paper Number: 3961
	Title: CONSIDERING MULTI-VIEWING DIRECTIONS TO IMPROVE PRECIPITATION RETRIEVAL PERFORMANCE FROM OFF-NADIR VIEWING PASSIVE MICROWAVE RADIOMETERS
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P9: Clouds and Precipitation: TRMM/GPM
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Dong-Bin Shin, Yeji Choi
View ADD <input type="checkbox"/>	Paper Code: MOP.P41.261 Paper Number: 3962
	Title: USE OF FRACTAL DIMENSION RATIOS OF PLANT IMAGES AS AN ALLOMETRIC PREDICTOR OF PLANT BIOMASS
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P41: Vegetation Monitoring II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Chaitanya Karamchedu
View ADD <input type="checkbox"/>	Paper Code: TUP.P17.90 Paper Number: 3963
	Title: SEMI-SUPERVISED SPARSE RELEARNING REPRESENTATION CLASSIFICATION FOR HIGH-RESOLUTION REMOTE SENSING IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TUP.P17: Deep, Semi-supervised, and Ensemble Learning for Image Classification
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Jiayi Li, Xin Huang, Liangpei Zhang

View ADD <input type="checkbox"/>	Paper Code: WEP.P19.106 Paper Number: 3964
	Title: Research on Scheduling Method Based on Distributed Hydrological Simulation
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Geographic Information Science
	Session: WEP.P19: Geographic Information Science I
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Penghui Hu

View ADD <input type="checkbox"/>	Paper Code: TU4.L9.3 Paper Number: 3965
	Title: SMOS INSTRUMENT PERFORMANCE AND CALIBRATION AFTER 6 YEARS IN ORBIT
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU4.L9: Radiometer Cross-Calibration
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Manuel Martín-Neira, Roger Oliva, Ignasi Corbella, Francesc Torres, Núria Duffo, Israel Durán, Juha Kainulainen, Josep Closa, Alberto Zurita, François Cabot, Ali Khazaal, Eric Anterrieu, Jose Barbosa, Gonçalo Lopes, Joe Tenerelli, Raúl Díez-García, Jorge Fauste, Verónica González-Gambau, Antonio Turiel, Steven Delwart, Raffaele Crapolicchio, Martin Suess

View ADD <input type="checkbox"/>	Paper Code: WEP.P42.234 Paper Number: 3966
	Title: RETRIEVING SOIL MOISTURE AND TEMPERATURE USING SMOS OBSERVATIONS AT A TEST SITE IN THE YAMAL PENINSULAR
	Topic: Cryosphere: Snow Cover
	Session: WEP.P42: Snow Cover III
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Konstantin Muzalevskiy, Mikhail Mikhailov, Valery Mironov, Zdenek Ruzicka

View ADD <input type="checkbox"/>	Paper Code: MOP.P14.80 Paper Number: 3967
	Title: EFFECTIVE BAG-OF-VISUAL-WORD SCHEME FOR OBJECT RECOGNITION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P14: Feature Extraction and Detection Algorithm I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Chunxiao Zhang, Gaojin Wen, Zhaorong Lin, Can Zhong, Zhiming Shang

View ADD <input type="checkbox"/>	Paper Code: WEP.P2.7 Paper Number: 3970
	Title: A DUAL-PHASE AIR QUALITY MONITORING SYSTEM BASED ON SATELLITE DATA: FRAMEWORK AND PRELIMINARY EVALUATION
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P2: Aerosols and Atmospheric Chemistry IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Shenglei Zhang, Liangfu Chen, Lin Su, Shenshen Li, Yidan Si, Jinhua Tao, Zifeng Wang
View ADD <input type="checkbox"/>	Paper Code: WEP.P26.142 Paper Number: 3972
	Title: COUPLED PATTERNS BETWEEN THE SURFACE CHLOROPHYLL-A AND THE PHYSICAL FACTORS IN THE PACIFIC OCEAN
	Topic: Oceans: Ocean Biology (Color) and Water Quality
	Session: WEP.P26: Ocean Biology and Water Quality
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Xueyan Hou, Qing Dong, Yang Hong, Di Long, Yaokui Cui
View ADD <input type="checkbox"/>	Paper Code: TU4.L4.4 Paper Number: 3975
	Title: EMPIRICAL MODEL FOR SURFACE SOIL MOISTURE ESTIMATION OVER WHEAT FIELDS USING C-BAND POLARIMETRIC SAR
	Topic: Land Applications: Soils and Soil Moisture
	Session: TU4.L4: Radar Soil Moisture I
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Vincent Beaugard, Kalifa Goïta, Ramata Magagi
View ADD <input type="checkbox"/>	Paper Code: WEP.P12.69 Paper Number: 3978
	Title: RECONSTRUCTING SATELLITE DERIVED LAND SURFACE TEMPERATURE USING VEGETATION INDEX
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P12: Estimation and Regression Applications: Land
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Chao Zeng, Di Long, Yang Hong, Yaokui Cui, Huanfeng Shen
View ADD <input type="checkbox"/>	Paper Code: THP.P43.245 Paper Number: 3979
	Title: MONITORING PEAT SUBSIDENCE AND CARBON EMISSION IN INDONESIA PEATLANDS USING INSAR TIME SERIES
	Topic: Land Applications: Wetlands

	Session: THP.P43: Wetland and Inland Water
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Zhiwei Zhou, Zhenhong Li, Susan Waldron, Akiko Tanaka
View ADD <input type="checkbox"/>	Paper Code: WE3.L9.5 Paper Number: 3980
	Title: MEASUREMENT CRUSTAL MOVEMENT ALONG ALTYN TAGH FAULT BY USING MULTI-MODE INSAR TIME SERIES ANALYSIS
	Topic: Invited Sessions: Dragon 3 Cooperation
	Session: WE3.L9: Dragon 3 Cooperation
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Qiming Zeng, Jian Jiao, Lin Shen, Sheng Gao, Ruiyan Fan, Junsong Huang, Xinjian Shan
View ADD <input type="checkbox"/>	Paper Code: TUP.P10.51 Paper Number: 3981
	Title: THE EFFECT OF WIND STRESS ON THE MORPHOLOGY AND EXTENT OF SEDIMENT PLUME AROUND MISSISSIPPI DELTA BASED ON LANDSAT 5 TM DATA
	Topic: Oceans: Coastal Zones
	Session: TUP.P10: Coastal Zones I
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Bingqing Liu
View ADD <input type="checkbox"/>	Paper Code: FR2.L5.2 Paper Number: 3982
	Title: SUGARCANE GROWTH MONITORING THROUGH SPATIAL CLUSTER AND TEMPORAL TREND ANALYSIS OF RADAR AND OPTICAL REMOTE SENSING IMAGES
	Topic: Land Applications: Agriculture
	Session: FR2.L5: Computational Techniques for Crop Monitoring and Classification
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Ramses Molijn, Lorenzo Iannini, Ramon Hanssen, Jansle Vieira Rocha
View ADD <input type="checkbox"/>	Paper Code: FR4.L7.2 Paper Number: 3983
	Title: HIGH RESOLUTION THROUGH-WALL RADAR IMAGING USING HYPERPARAMETER-FREE LIKES METHOD
	Topic: Land Applications: Urban and Built Environment
	Session: FR4.L7: SAR Urban Remote Sensing
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Chundi Zheng, Gang Li

View ADD <input type="checkbox"/>	Paper Code: MO3.L5.5 Paper Number: 3985
	Title: OPTIMIZING REMOTE SENSING OF NATIVE GRASSLANDS FOR MONITORING AND CHANGE DETECTION
	Topic: Invited Sessions: Multi-source Remote Sensing Approaches to Vegetation Monitoring
	Session: MO3.L5: Multi-source Remote Sensing Approaches to Vegetation Monitoring I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Joseph Buckley, Anne Smith

View ADD <input type="checkbox"/>	Paper Code: TU2.L8.3 Paper Number: 3987
	Title: EVALUATING IMPACTS OF IMAGING SPECTROMETER CALIBRATION ON MINERAL IDENTIFICATION AND MAPPING USING AIRBORNE DATA COLLECTIONS IN ALASKA, USA, AND KHANDAHAR, AFGHANISTAN
	Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions
	Session: TU2.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Raymond Kokaly

View ADD <input type="checkbox"/>	Paper Code: THP.P30.164 Paper Number: 3989
	Title: COMPARISON OF TANDEM-X AND CARTOSAT-1 STEREO DEMS OVER DIFFERENT TERRAINS OF INDIA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P30: SAR Interferometry III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Rinki Deo, Minal Jain, Y. S. Rao

View ADD <input type="checkbox"/>	Paper Code: TH4.L2.2 Paper Number: 3990
	Title: LOCAL SPECTRAL-SPATIAL CLUSTERING FOR REMOTE SENSING IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH4.L2: High Resolution Image Analysis
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Ailong Ma, Yanfei Zhong, Hongzan Jiao, Liangpei Zhang

View	Paper Code: TU2.L8.2 Paper Number: 3993
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ADD <input type="checkbox"/>	<p>Title: CROSS-SENSOR CALIBRATION AND VALIDATION BETWEEN DESIS and HISUI HYPERSPECTRAL IMAGER ON THE INTERNATIONAL SPACE STATION (ISS)</p> <p>Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions</p> <p>Session: TU2.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Hirokazu Yamamoto, Kenta Obata, Satoshi Tsuchida, Grégoire Kerr, Martin Bachmann</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P1.6 Paper Number: 3994</p> <p>Title: FPIR : CONSIDERATION FOR A NEW CALIBRATION SYSTEM</p> <p>Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration</p> <p>Session: MOP.P1: Aperture Synthesis Radiometry</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Lin Wu, Jingye Yan, Ji Wu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR2.L11.4 Paper Number: 3995</p> <p>Title: IMPLICATIONS OF DATA PLACEMENT STRATEGY TO BIG DATA TECHNOLOGIES BASED ON SHARED-NOTHING ARCHITECTURE FOR GEOSCIENCES</p> <p>Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience</p> <p>Session: FR2.L11: Big Data in Geoscience</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Kwo-Sen Kuo, Amidu Oloso, Khoa Doan, Michael Rilee, Thomas Clune, Hongfeng Yu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TU2.L9.5 Paper Number: 3999</p> <p>Title: S-BAND OCEAN REFLECTOMETRY IN HIGH WINDS</p> <p>Topic: Invited Sessions: Remote Sensing using GNSS-like Signals and Other Sensors</p> <p>Session: TU2.L9: Remote Sensing using GNSS-like Signals and Other Sensors II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Han Zhang, James Garrison, Rozaine Wijekularatne, James Warnecke</p>
View	<p>Paper Code: TUP.P39.211 Paper Number: 4000</p>

ADD <input type="checkbox"/>	Title: ASSESSMENT OF THE SMAP L3/AP SOIL MOISTURE PRODUCT USING INTERNATIONAL GROUND OBSERVATION NETWORK
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P39: SMAP Soil Moisture II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Hongquan Wang, Ramata Magagi, Kalifa Goïta
View ADD <input type="checkbox"/>	Paper Code: THP.P30.168 Paper Number: 4001
	Title: A combined estimator for Interferometric SAR ionosphere correction
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across
	Session: THP.P30: SAR Interferometry III
	Time: Thursday, July 14, 17:20 - 19:00
Authors: Heming Liao, Franz Meyer	
View ADD <input type="checkbox"/>	Paper Code: TU3.L5.3 Paper Number: 4005
	Title: EXPLORING THE CANADIAN BOREAL FOREST USING AIRSAR, LANDSAT5, AND VIRTUAL LIDAR
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: TU3.L5: Radar Forestry
	Time: Tuesday, July 12, 13:30 - 15:10
Authors: Michael Benson, Leland Pierce, Kamal Sarabandi	
View ADD <input type="checkbox"/>	Paper Code: TH2.L2.4 Paper Number: 4006
	Title: INTEGRATION OF REGION GROWING AND MORPHOLOGICAL ANALYSIS WITH SUPER-RESOLUTION LAND COVER MAPPING
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH2.L2: Region Based Image Classification
	Time: Thursday, July 14, 10:30 - 12:10
Authors: Huiran Jin, Peijun Li	
View ADD <input type="checkbox"/>	Paper Code: WE4.L10.4 Paper Number: 4007
	Title: SENTINEL-1A TOPS INTERFEROMETRY APPLICATION OVER THE DEAD SEA
	Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results
Session: WE4.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results II	

	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Yuxiao Qin, Daniele Perissin
View ADD <input type="checkbox"/>	Paper Code: TH1.L7.5 Paper Number: 4008
	Title: A HMM-BASED APPROACH FOR HISTORIC AND UP-TO-DATE LAND COVER MAPPING THROUGH LANDSAT TIME-SERIES IN THE STATE OF SAO PAULO, BRAZIL
	Topic: Land Applications: Land Use Applications
	Session: TH1.L7: Land Use and Land Cover Applications
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Lorenzo Iannini, Ramses Molijn, Ali Mousivand, Ramon Hanssen, Rubens Lamparelli
View ADD <input type="checkbox"/>	Paper Code: TUP.P12.60 Paper Number: 4010
	Title: ESTIMATING THE THREE DIMENSIONAL STRUCTURE OF HETEROGENEOUS FORESTS USING MULTI-MODAL REMOTE SENSING AND SENSOR EXTRAPOLATION TECHNIQUES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Image and Data Fusion
	Session: TUP.P12: Data Fusion Applications: Vegetation
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Michael Benson, Leland Pierce, Kamal Sarabandi
View ADD <input type="checkbox"/>	Paper Code: THP.P7.36 Paper Number: 4011
	Title: DETECTION OF GAPS BETWEEN LAND AND BUILDING SURFACE DISPLACEMENT BY PSINSAR AND SBAS ANALYSIS USING L-BAND PALSAR DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Differential SAR Interferometry
	Session: THP.P7: Differential SAR Interferometry III
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Naoyuki Maruo, Junichi Susaki, Tirawat Boonyatee, Kiyoshi Kishida
View ADD <input type="checkbox"/>	Paper Code: WE4.L4.3 Paper Number: 4012
	Title: A FRAMEWORK FOR VALIDATING REMOTELY SENSED EVAPOTRANSPIRATION
	Topic: Invited Sessions: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks
	Session: WE4.L4: Validation of Remote Sensing Products: Methods, Specifications, and Networking Existing Networks II
	Time: Wednesday, July 13, 15:40 - 17:20

	Authors: Shaomin Liu, Ziwei Xu, Lisheng Song, Yuan Zhang, Zhongli Zhu
View ADD <input type="checkbox"/>	Paper Code: WEP.P14.83 Paper Number: 4013
	Title: INVERSION OF CHLOROPHYLL FLUORESCENCE BASED ON VEGETATION INDICES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P14: Estimation and Regression Applications: Vegetation
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Min Jia, Chen Zhou, Tao Cheng, Yongchao Tian, Yan Zhu, Weixing Cao, Xia Yao
View ADD <input type="checkbox"/>	Paper Code: TH4.L5.1 Paper Number: 4015
	Title: FUSION OF LIDAR AND RADAR FOR VEGETATION STRUCTURE AND BIOMASS RETRIEVAL
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: TH4.L5: Forest and Vegetation I
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Wenge Ni-Meister
View ADD <input type="checkbox"/>	Paper Code: MOP.P18.100 Paper Number: 4016
	Title: AUTOMATIC IDENTIFICATION AND EXTRACTION OF FOREST ROAD THROUGH ADVANCED LOG MATCHING TECHNIQUES
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P18: Land Targets
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Wen Zhang, Baoxin Hu, Lauren Quist
View ADD <input type="checkbox"/>	Paper Code: THP.P21.114 Paper Number: 4017
	Title: DROUGHT IMPACT ON WHEAT YIELD IN OKLAHOMA AND NEBRASKA: A REMOTE SENSING PERSPECTIVE
	Topic: Land Applications: Agriculture
	Session: THP.P21: Remote Sensing for Agricultural Hydrology
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jie Zhang, Inbal Becker-Reshef
View ADD <input type="checkbox"/>	Paper Code: FR3.L3.4 Paper Number: 4018
	Title: Multiple Band Selection for Anomaly Detection in Hyperspectral Imagery

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR3.L3: Target Detection Techniques</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Lin Wang, Chein-I Chang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE4.L9.2Paper Number: 4019</p> <p>Title: POTENTIAL INLAND AQUACULTURE SITES USING HIGH RESOLUTION SATELLITE IMAGES IN A REGION OF HIGH MARGINALIZATION</p> <p>Topic: Invited Sessions: Contributing to the Understanding of our Planet through Remote Sensing: A Mexican Perspective</p> <p>Session: WE4.L9: The Mexican Perspective to the Understanding of our Planet through Remote Sensing</p> <p>Time: Wednesday, July 13, 15:40 - 17:20</p> <p>Authors: Yolanda Fernandez-Ordoñez, Jesus Soria-Ruiz</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P39.219Paper Number: 4020</p> <p>Title: DEM GENERATION OF INTERTIDAL ZONE IN KOREA USING UNMANNED AERIAL VEHICLE</p> <p>Topic: Mission, Sensors and Calibration: UAV and Airborne Platforms</p> <p>Session: THP.P39: UAV Systems and Sensors</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Bum-Jun Kim, Yoon-Kyung Lee, Joo-Hyung Ryu, Seung-Kuk Lee, Kye-Lim Kim</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L11.3Paper Number: 4023</p> <p>Title: COMPARISON OF IN SITU AND GRACE ESTIMATED GROUNDWATER IN THE CANADIAN PRAIRIES</p> <p>Topic: Land Applications: Inland Waters</p> <p>Session: FR4.L11: Inland Waters</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Mohamed Y. A. Touré, Kalifa Goïta, Ramata Magagi, Ally M. Touré</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE2.L9.3Paper Number: 4024</p> <p>Title: OPERATIONAL DERIVATION OF WATER DEPTH AND SEA BOTTOM ALBEDO FROM HIGH RESOLUTION MULTISPECTRAL SATELLITE IMAGES</p> <p>Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies</p>

	<p>Session: WE2.L9: Advances in Bathymetric and Oceanographic Lidar Studies II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Soo Chin Liew, Ka Ming Chua</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L11.1 Paper Number: 4025</p> <p>Title: PERFORMANCE ANALYSIS OF GPS RADIO OCCULTATION ASSIMILATION FOR TROPICAL CYCLONE MONITORING</p> <p>Topic: Atmosphere Applications: Numerical Weather Prediction and Data Assimilation</p> <p>Session: TU4.L11: Numerical Weather Prediction and Data Assimilation</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Parwath Phunthirawuth, Falin Wu, Pakornpop Boonyuen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L3.4 Paper Number: 4026</p> <p>Title: ON THE PERFORMANCE OF SPARSE UNMIXING ON NON-LINEAR MIXTURES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR4.L3: Spectral Unimixing Techniques III</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Yuki Itoh, Mario Parente</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P30.165 Paper Number: 4027</p> <p>Title: Bistatic Forward-looking SAR Interferometry</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: THP.P30: SAR Interferometry III</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Shunjun Wei, Xiaoling Zhang, Xinxin Tang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR3.L3.5 Paper Number: 4030</p> <p>Title: SPARSE REPRESENTATION BASED SUBPIXEL INFORMATION EXTRACTION FRAMEWORK FOR HYPERSPECTRAL REMOTE SENSING IMAGERY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR3.L3: Target Detection Techniques</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Ruyi Feng, Da He, Yanfei Zhong, Liangpei Zhang</p>

View ADD <input type="checkbox"/>	Paper Code: WEP.P22.124 Paper Number: 4031
	Title: ANALYSIS ON TEMPORAL-SPATIAL CHANGE OF VEGETATION COVERAGA IN HULUNBUIR STEPPE (2000-2014)
	Topic: Land Applications: Land Cover Dynamics
	Session: WEP.P22: Land Cover Dynamics
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Peng Fei, Fan Wenjie, Xu Xiru, Liu Xing
View ADD <input type="checkbox"/>	Paper Code: TUP.P41.224 Paper Number: 4032
	Title: L-band Soil Moisture Mapping Using a sUAS for Validation and Calibration of SMAP
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P41: Soil Properties II
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Eryan Dai, Albin J. Gasiewski, Maciej Stachura, Jack Elston
View ADD <input type="checkbox"/>	Paper Code: MOP.P40.249 Paper Number: 4034
	Title: ESTABLISH IUCN RED LIST OF ECOSYSTEMS IN SOUTHWESTERN CHINA BASED ON REMOTE SENSING DATA
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P40: Vegetation Monitoring I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Jianbo Tan, Ainong Li, Guangbin Lei
View ADD <input type="checkbox"/>	Paper Code: MO3.L6.4 Paper Number: 4035
	Title: BIG DATA AND ITS APPLICATIONS IN AGRO-GEOINFORMATICS
	Topic: Invited Sessions: Earth Observing Data Science
	Session: MO3.L6: Earth Observing Data Science I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Liping Di
View ADD <input type="checkbox"/>	Paper Code: TU3.L9.3 Paper Number: 4036
	Title: A 180 GHZ PROTOTYPE FOR A GEOSTATIONARY MICROWAVE IMAGER/SOUNDER- GEOSTAR-III
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: TU3.L9: Aperture Synthesis Radiometry
	Time: Tuesday, July 12, 13:30 - 15:10

	Authors: Todd Gaier, Pekka Kangaslahti, Bjorn Lambrigtsen, Isaac Ramos-Perez, Alan Tanner, Darren McKague, Christopher Ruf, Michael Flynn, Zhengya Zhang, Roger Backhus, David Austerberry
View ADD <input type="checkbox"/>	Paper Code: TUP.P26.140 Paper Number: 4037
	Title: IMPLENTATION OF ONBOARD JPEG XR COMPRESSION ON A LOW CLOCK FREQUENCY FPGA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P26: Image and Feature Match
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Hao Chen, Xinyu Guo, Ye Zhang
View ADD <input type="checkbox"/>	Paper Code: FR4.L5.2 Paper Number: 4038
	Title: MONITORING SEASONAL CHANGES IN THE WATER SURFACE AREAS OF POYANG LAKE USING COSMO-SKYMED TIME SERIES DATA IN PR CHINA
	Topic: Land Applications: Wetlands
	Session: FR4.L5: Wetlands and Inland Water
	Time: Friday, July 15, 15:40 - 17:20
	Authors: Yayong Sun, Shifeng Huang, Jiren Li, Xiaotao Li, Jianwei Ma, Hui Wang, Tianjie Lei
View ADD <input type="checkbox"/>	Paper Code: TH4.L11.1 Paper Number: 4040
	Title: BUILDING COLLAPSE EXTRACTION USING MODIFIED FREEMAN DECOMPOSITION FROM POST-DISASTER POLARIMETRIC SAR IMAGE
	Topic: Advancing the Understanding of Our Living Planet: Natural Hazards and Environmental Pollution
	Session: TH4.L11: Earthquake & Subsidence
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Qihao Chen, Linlin Li, Ping Jiang, Xiuguo Liu
View ADD <input type="checkbox"/>	Paper Code: THP.P25.136 Paper Number: 4041
	Title: REMOTE SENSING DETECTION FOR SURFACE ANOMALIES RELATED TO HYDRACARBON IN BASHIBULAKE URANIUM ORE, SOUTHERN TIANSHAN
	Topic: Land Applications: Topography, Geology and Geomorphology
	Session: THP.P25: Remote Sensing in Mining
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Pilong Shi, Bihong Fu, Yuanxu Ma, Qiang Guo, Huan Xu

View ADD <input type="checkbox"/>	Paper Code: MOP.P41.256 Paper Number: 4042
	Title: RESEARCH ON SCALE EFFECT OF VEGETATION NET PRIMARY PRODUCTIVITY
	Topic: Land Applications: Forest and Vegetation: Application and Modelling
	Session: MOP.P41: Vegetation Monitoring II
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Chen Qiao, Rui Sun, Tianxiang Cui

View ADD <input type="checkbox"/>	Paper Code: TH3.L5.2 Paper Number: 4044
	Title: AUTOMATED DETECTION OF FOREST DISTURBANCES USING MULTITEMPORAL RADARSAT-2 DATA
	Topic: Land Applications: Forest and Vegetation: Biomass and Carbon Cycle
	Session: TH3.L5: Forest Biomass
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Gordon Staples, Marco van der Kooij, David G. Goodenough

View ADD <input type="checkbox"/>	Paper Code: TH1.L12.5 Paper Number: 4045
	Title: RECENT ADVANCES IN DEVELOPING THE CFOSAT SCATTEROMETER
	Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations
	Session: TH1.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Di Zhu, Xiaolong Dong, Risheng Yun, Xingou Xu

View ADD <input type="checkbox"/>	Paper Code: MOP.P5.29 Paper Number: 4046
	Title: DOUBLE SCATTERING LIDAR RETURN FROM CLOUD LAYER
	Topic: Atmosphere Applications: Precipitation and Clouds
	Session: MOP.P5: Clouds and Precipitation
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Valentina Bryukhanova

View ADD <input type="checkbox"/>	Paper Code: THP.P40.229 Paper Number: 4047
	Title: ESTIMATING COOLING EFFECTS OF URBAN TREES USING AIRBORNE LIDAR AND RADIATIVE TRANSFER SIMULATION
	Topic: Land Applications: Urban and Built Environment
	Session: THP.P40: Urban Applications I
	Time: Thursday, July 14, 17:20 - 19:00

Authors: Haruki Oshio, Takashi Asawa	
View ADD <input type="checkbox"/>	Paper Code: TH4.L8.4 Paper Number: 4048
	Title: PRELAUNCH ANTENNA CALIBRATION OF CUBESAT MMW/SMMW RADIOMETERS WITH APPLICATION TO THE POLARCUBE 3U TEMPERATURE SOUNDING RADIOMETER MISSION
	Topic: Invited Sessions: Earth Remote Sensing with Small Satellites
	Session: TH4.L8: Earth Remote Sensing with Small Satellites II
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Lavanya Periasamy, Albin J. Gasiewski
View ADD <input type="checkbox"/>	Paper Code: WE4.L5.4 Paper Number: 4050
	Title: CHINA TYPICAL FOREST ABOVEGROUND BIOMASS ESTIMATION BY FUSION OF MULTI-PLATFORM DATA
	Topic: Invited Sessions: Remote Sensing for Ecology
	Session: WE4.L5: Remote Sensing for Ecology II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Yong Pang, Zengyuan Li, Shili Meng, Hao Lu, Wen Jia, Qingwang Liu, Haikui Li, Yuancai Lei
View ADD <input type="checkbox"/>	Paper Code: TU2.L2.5 Paper Number: 4051
	Title: FEATURE EXTRACTION AND TRACKING FOR LARGE-SCALE GEOSPATIAL DATA
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TU2.L2: Feature Extraction and Application
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Lina Yu, Feiyu Zhu, Hongfeng Yu, Jun Wang, Kwo-Sen Kuo
View ADD <input type="checkbox"/>	Paper Code: TU3.L6.3 Paper Number: 4056
	Title: DCAP: A DEEP CONVOLUTION ARCHITECTURE FOR PREDICTION OF URBAN GROWTH
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Geographic Information Science
	Session: TU3.L6: Geographic Information Science
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Saptarshi Pal, Srija Chowdhury, Soumya K Ghosh
View ADD <input type="checkbox"/>	Paper Code: FR2.L9.5 Paper Number: 4057
	Title: SYNTHETIC APERTURE RADAR FOR AN AUTONOMOUS CRYOBOT FOR SUBSURFACE EXPLORATION OF EUROPA

	<p>Topic: Invited Sessions: Advanced Ground Penetrating Radar</p> <p>Session: FR2.L9: Advanced Ground Penetrating Radar II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Omkar Pradhan, Srikumar Sandeep, Albin J. Gasiewski, Vickie Seigel, Bill Stone</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L8.2 Paper Number: 4058</p> <p>Title: TEMPORAL EXPERIMENT FOR STORMS AND TROPICAL SYSTEMS TECHNOLOGY DEMONSTRATION (TEMPEST-D): REDUCING RISK FOR 6U-CLASS NANOSATELLITE CONSTELLATIONS</p> <p>Topic: Invited Sessions: Earth Remote Sensing with Small Satellites</p> <p>Session: TH4.L8: Earth Remote Sensing with Small Satellites II</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Steven Reising, Todd Gaier, Christian Kummerow, Sharmila Padmanabhan, Boon Lim, Shannon Brown, Cate Heneghan, V. Chandrasekar, Jon Olson, Wesley Berg</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH4.L8.5 Paper Number: 4061</p> <p>Title: MICROWAVE CUBESAT FLEET SIMULATION FOR HYDROMETRIC TRACKING IN SEVERE WEATHER</p> <p>Topic: Invited Sessions: Earth Remote Sensing with Small Satellites</p> <p>Session: TH4.L8: Earth Remote Sensing with Small Satellites II</p> <p>Time: Thursday, July 14, 15:40 - 17:20</p> <p>Authors: Kun Zhang, Albin J. Gasiewski</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH1.L12.4 Paper Number: 4064</p> <p>Title: SIMULATION AND RETRIEVAL OF WIND OF CFOSAT ROTATING-FAN BEAM SCATTEROMETER</p> <p>Topic: Invited Sessions: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations</p> <p>Session: TH1.L12: The China France Oceanography SATellite: A New Mission for Ocean Wind and Wave Observations I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Risheng Yun, Xingou Xu, Xiaolong Dong, Di Zhu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P25.145 Paper Number: 4070</p> <p>Title: IDENTIFYING HOT SPOTS FOR STORMWATER HARVESTING AND REUSE IN URBAN AREAS APPLYING REMOTE SENSING, GIS AND SYSTEM OPTIMIZATION TECHNIQUES</p> <p>Topic: Data Management and Education: Remote Sensing Data and Policy Decisions</p>

	<p>Session: MOP.P25: Remote Sensing Data and Policy Decisions</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Shray Pathak, Anoop Kumar Shukla, C.S.P Ojha, Rahul Dev Garg</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P32.204 Paper Number: 4074</p> <p>Title: AMPLITUDE-PHASE CALIBRATION METHOD FOR DOWNWARD-LOOKING SAR</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): SAR Imaging Techniques</p> <p>Session: MOP.P32: SAR Imaging Techniques V</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Weixian Tan, Pingping Huang, Kuoye Han, Wen Hong</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P36.225 Paper Number: 4076</p> <p>Title: AN AIRBORNE MULTI-ANGLE HYPERSPECTRAL EXPERIMENT IN A BOREAL FOREST OF NORTHEAST CHINA</p> <p>Topic: Mission, Sensors and Calibration: Satellite Missions</p> <p>Session: MOP.P36: Satellite Missions</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Yong Pang, Zengyuan Li, Wen Jia, Hao Lu, Bowei Chen, Yongjie Xia, Guang Zheng, Xianlian Gao, Qiang Wang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P10.58 Paper Number: 4081</p> <p>Title: ENERGY-EFFICIENT STRATEGY FOR CLOUD STORAGE BASED ON THE CHARACTERISTICS OF REMOTE SENSING IMAGE DATA</p> <p>Topic: Data Management and Education: Data Management and Systems</p> <p>Session: MOP.P10: Data Management and Systems I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Xincheng Ye, Yurong Qian, Jiong Yu, Jiayi Wu, Hailong Zhang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L2.2 Paper Number: 4082</p> <p>Title: OPTICAL LEAF PARAMETER ESTIMATION BASED ON DIRECTIONAL CHARACTERISTICS OF LEAF-SCALE HYPERSPECTRAL IMAGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression</p> <p>Session: FR2.L2: Estimation and Regression Techniques</p> <p>Time: Friday, July 15, 10:30 - 12:10</p>

	Authors: Kuniaki Uto, Yukio Kosugi, Genya Saito
View ADD <input type="checkbox"/>	Paper Code: WE2.L4.3 Paper Number: 4086
	Title: DUAL FREQUENCY POLARIZED SCATTEROMETER FOR GLOBAL SNOW OBSERVATION
	Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress
	Session: WE2.L4: Water Cycle Observation Mission (WCOM): Development and Progress II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Di Zhu, Xiaolong Dong, Risheng Yun, Xingou Xu, Liling Liu, Gang Wang
View ADD <input type="checkbox"/>	Paper Code: MOP.P38.240 Paper Number: 4087
	Title: BUILDING BOUNDARIES EXTRACTION FROM POINTS CLOUD USING AN IMAGE EDGE DETECTION METHOD
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MOP.P38: Urban Targets and Roads
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Xiaohuan Xi, Yiping Wan, Cheng Wang
View ADD <input type="checkbox"/>	Paper Code: WEP.P23.132 Paper Number: 4092
	Title: HYPERSPECTRAL SPECTROSCOPY BASED VEGETATION STRESS DETECTION AROUND PB-ZN-CD ABANDONED MINING SITE IN NORTHERN TUNISIA
	Topic: Land Applications: Land Use Applications
	Session: WEP.P23: Land Use Applications
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Nouha Mezned, Marwen Mechergui, Faten Alayet, Saadi Abdeljaouad
View ADD <input type="checkbox"/>	Paper Code: TUP.P40.218 Paper Number: 4093
	Title: ESTIMATING OF SOIL TEXTURE USING LANDSAT IMAGERY: A CASE STUDY OF THATTA TEHSIL, SINDH
	Topic: Land Applications: Soils and Soil Moisture
	Session: TUP.P40: Soil Properties I
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Rao Zahid Khalil, Wajiha Khalid, Mehwish Akram
View	Paper Code: TUP.P38.205 Paper Number: 4097

ADD <input type="checkbox"/>	<p>Title: BI-LAYER DICTIONARY LEARNING FOR REMOTE SENSING IMAGE CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering</p> <p>Session: TUP.P38: Remote Sensing Images Classification</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Michael Ying Yang, Saif Al-Shaikhli, Tao Jiang, Yanpeng Cao, Bodo Rosenhahn</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P35.194Paper Number: 4099</p> <p>Title: TDR MEASUREMENTS TO DISCRIMINATE POSSIBLE MAGNETIC PROPERTIES OF MATERIALS: PRELIMINARY CONSIDERATIONS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Subsurface Sensing / Ground Penetrating Radar</p> <p>Session: THP.P35: Subsurface Sensing</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Raffaele Persico, Massimiliano Pieraccini</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE3.L3.5Paper Number: 4101</p> <p>Title: AUTOMATIC GENERATION OF FREQUENTLY UPDATED LAND COVER PRODUCTS AT NATIONAL LEVEL USING COSMO-SKYMED SAR IMAGERY</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: WE3.L3: Analysis of Image Time Series: SAR Sensors</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Francesco Carbone, Alessandro Coletta, Giuseppe Francesco De Luca, Fabio Del Frate, Luca Fasano, Giovanni Schiavon</p>
View ADD <input type="checkbox"/>	<p>Paper Code: THP.P30.166Paper Number: 4102</p> <p>Title: PLELIMINARY RESULTS ON REPEAT PASS INTERFEROMETRY OF THE X-BAND AIRBORNE SAR SYSTEM (PI-SAR2) OF NICT</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Interferometry: Along and Across</p> <p>Session: THP.P30: SAR Interferometry III</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Tatsuharu Kobayashi, Shoichiro Kojima, Toshihiko Umehara, Jyunpei Uemoto, Takeshi Matsuoka, Akitsugu Nadai, Seiho Uratsuka</p>
View	<p>Paper Code: TUP.P6.28Paper Number: 4103</p>

ADD <input type="checkbox"/>	<p>Title: OPTIMIZED FUZZY ALGORITHM BASED ON MODIFIED SIMILARITY MEASURE FOR MAPPING FLOOD IMPACTS</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TUP.P6: Change Detection Applications</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Chayma Chaabani, Riadh Abdelfattah</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE2.L4.1Paper Number: 4104</p> <p>Title: IMI (INTERFEROMETRIC MICROWAVE IMAGER): A L/S/C TRI-FREQUENCY RADIOMETER FOR WATER CYCLE OBSERVATION MISSION(WCOM)</p> <p>Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress</p> <p>Session: WE2.L4: Water Cycle Observation Mission (WCOM): Development and Progress II</p> <p>Time: Wednesday, July 13, 10:30 - 12:10</p> <p>Authors: Hao Liu, Lijie Niu, Lin Wu, Cheng Zhang, Xiangkun Zhang, Xiaobin Yin, Ji Wu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L9.1Paper Number: 4107</p> <p>Title: DECOMPOSING LIDAR WAVEFORMS WITH NONPARAMETRIC CLASSIFICATION METHODS</p> <p>Topic: Mission, Sensors and Calibration: Lidar Sensors</p> <p>Session: TH1.L9: Lidar Technology and Applications</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Qinghua Li, Serkan Ural, Jie Shan</p>
View ADD <input type="checkbox"/>	<p>Paper Code: WE3.L5.3Paper Number: 4108</p> <p>Title: Satellite Monitoring of Wildfires and International Coordination</p> <p>Topic: Invited Sessions: Remote Sensing for Ecology</p> <p>Session: WE3.L5: Remote Sensing for Ecology I</p> <p>Time: Wednesday, July 13, 13:30 - 15:10</p> <p>Authors: Christopher Justice, Krishna Vadrevu, Michael Humber, Luigi Boschetti</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TUP.P24.131Paper Number: 4111</p> <p>Title: Evaluation of Band Selection methods to improve detection rate of pesticide residue in Hyperspectral data</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Feature Extraction and Reduction</p>

	<p>Session: TUP.P24: Hyperspectral Imagery Band Selection Dimensionality Reduction</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Chao-Cheng Wu, Jin-Wei Yang</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P41.262 Paper Number: 4113</p> <p>Title: Pollock Model based Multi-level Morphological Active Contour Algorithm for tree detection and crown delineation</p> <p>Topic: Land Applications: Forest and Vegetation: Application and Modelling</p> <p>Session: MOP.P41: Vegetation Monitoring II</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Chao-Cheng Wu, Shao-An Tsai, Yu-Lun Wu</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO4.L12.5 Paper Number: 4114</p> <p>Title: THE VALIDATION OF HY-2A ACMR RETRIEVAL ALGORITHMS AND PRODUCT</p> <p>Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites</p> <p>Session: MO4.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Jin Zhao, Dehai Zhang, Zhenzhan Wang, Yun Li</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L4.3 Paper Number: 4117</p> <p>Title: PRELIMINARY DESIGN OF WATER CYCLE OBSERVATION MISSION (WCOM)</p> <p>Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress</p> <p>Session: WE1.L4: Water Cycle Observation Mission (WCOM): Development and Progress I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Xiaolong Dong, Jiancheng Shi, Shengwei Zhang, Hao Liu, Zhenzhan Wang, Di Zhu, Lihua Zuo, Changya Chen, Wen Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L3.1 Paper Number: 4122</p> <p>Title: UNSUPERVISED CHANGE DETECTION ON SYNTHETIC APERTURE RADAR IMAGES WITH GENERALIZED GAMMA DISTRIBUTION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: WE1.L3: Change Detection in SAR Images</p>

	<p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Fabrizio Crismer, Gabriele Moser, Vladimir A. Krylov, Sebastiano B. Serpico</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MOP.P24.137 Paper Number: 4123</p> <p>Title: SUPERVISED CLASSIFICATION OF THERMAL INFRARED HYPERSPECTRAL IMAGES THROUGH BAYESIAN, MARKOVIAN, AND REGION-BASED APPROACHES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P24: Region Based Image Classification</p> <p>Time: Monday, July 11, 17:20 - 19:00</p> <p>Authors: Francesco Barisione, David Solarna, Andrea De Giorgi, Gabriele Moser, Sebastiano B. Serpico</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L9.3 Paper Number: 4124</p> <p>Title: FIRST SHIPBORNE GNSS-R CAMPAIGN FOR RECEIVING LOW ELEVATION ANGLE SEA SURFACE REFLECTED SIGNALS</p> <p>Topic: Invited Sessions: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R)</p> <p>Session: TH3.L9: Instrumentation Advances for Reflectometry with GNSS and Signals of Opportunity (GNSS+R) I</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Junming Xia, Weihua Bai, Danyang Zhao, Yueqiang Sun, Xiangguang Meng, Congliang Liu, Qifei Du, Xianyi Wang, Dongwei Wang, Di Wu, Chunjun Wu, Cheng Liu, Yuerong Cai</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L8.5 Paper Number: 4125</p> <p>Title: TRACEABLE RADIOMETRY UNDERPINNING TERRESTRIAL- AND HELIO- STUDIES (TRUTHS): ESTABLISHING A CLIMATE AND CALIBRATION OBSERVATORY IN SPACE.</p> <p>Topic: Invited Sessions: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions</p> <p>Session: TU2.L8: Calibration, Validation and Related Topics in Support of Spaceborne Imaging Spectroscopy Missions II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Nigel Fox, Paul Green, Rainer Winkler, Dan Lobb, Jonathan Friend</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L3.2 Paper Number: 4126</p> <p>Title: A FRAMEWORK OF COLLABORATIVE CHANGE DETECTION WITH MULTIPLE OPERATORS AND MULTI-SOURCE REMOTE SENSING IMAGES</p>

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis</p> <p>Session: TH2.L3: Analysis of Image Time Series: Optical Sensors II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Xi Chen, Jing Li, Yunfei Zhang, Liangliang Tao, Wei Shen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU3.L12.1Paper Number: 4127</p> <p>Title: L-BAND ACTIVE-PASSIVE MICROWAVE REMOTE SENSING OF OCEAN SURFACE WIND DURING HURRICANES</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: TU3.L12: Remote Sensing of High Winds</p> <p>Time: Tuesday, July 12, 13:30 - 15:10</p> <p>Authors: Simon Yueh, Alexander Fore, Wenqing Tang, Akiko Hayashi, Bryan Stiles</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH2.L8.4Paper Number: 4129</p> <p>Title: ADVANCED CONCEPT FOR AN INTEGRATED TWO-WAY INTERACTIVE SENSORWEB AND ENVIRONMENTAL MODELLING SYSTEM ARCHITECTURE</p> <p>Topic: Invited Sessions: International Operational Satellite Missions to Monitor the Planet</p> <p>Session: TH2.L8: International Operational Satellite Missions to Monitor the Planet II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Michael Kalb, Michael Seablom, Glenn Higgins, Robert Mahoney</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR4.L4.2Paper Number: 4131</p> <p>Title: SURFACE CHANGES AT THE NORTHWEST VATNAJÖKULL GLACIER, ICELAND, DURING THE 2014-2015 BARDARBUNGA ERUPTION</p> <p>Topic: Cryosphere: Ice Sheets and Glaciers</p> <p>Session: FR4.L4: Ice Sheets and Glaciers II</p> <p>Time: Friday, July 15, 15:40 - 17:20</p> <p>Authors: Cristian Rossi, Christian Minet, Eyjólfur Magnússon</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P26.143Paper Number: 4133</p> <p>Title: VALIDATION OF STRAY-LIGHT CORRECTION FOR GOCI RADIOMETRIC DATA</p> <p>Topic: Oceans: Ocean Biology (Color) and Water Quality</p> <p>Session: WEP.P26: Ocean Biology and Water Quality</p>

	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Wonkook Kim, Jeong-Eon Moon, Jae-Hyun Ahn, Naeun Kim, Young-Je Park
View ADD <input type="checkbox"/>	Paper Code: MO3.L11.1 Paper Number: 4135
	Title: Satellite remote sensing of the regional haze pollution in China
	Topic: Invited Sessions: Atmosphere Remote Sensing and their Application in Air Pollution
	Session: MO3.L11: Atmosphere Remote Sensing and its Application in Air Pollution I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Liangfu Chen, Minghui Tao, Zifeng Wang
View ADD <input type="checkbox"/>	Paper Code: TU4.L1.1 Paper Number: 4137
	Title: IMPROVING THE REFERENCE NETWORK IN WIDE-AREA PERSISTENT SCATTERER INTERFEROMETRY FOR NON-URBAN AREAS
	Topic: Invited Sessions: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques
	Session: TU4.L1: Advanced Interferometric Processing and Multidimensional SAR Imaging Techniques II
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Kanika Goel, Nico Adam, Robert Shau, Fernando Rodriguez-Gonzalez
View ADD <input type="checkbox"/>	Paper Code: MO4.L4.1 Paper Number: 4138
	Title: Combining SMAP and Sentinel Data for High-Resolution Soil Moisture Product
	Topic: Invited Sessions: Observations by the NASA Soil Moisture Active Passive Mission
	Session: MO4.L4: Observations by the NASA Soil Moisture Active Passive Mission II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Narendra Das, Dara Entekhabi, Seung-Bum Kim, Simon Yueh, Peggy O'Neill
View ADD <input type="checkbox"/>	Paper Code: WEP.P44.244 Paper Number: 4142
	Title: FRACTAL POLARIZATION SIGNATURE OF RADAR BACKSCATTERING VARIATIONS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P44: Theoretical Aspects of SAR Polarimetry

	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Aleksey Dmitriev, Tumen Chimitdorzhiev, Pavel Dagurov
View ADD <input type="checkbox"/>	Paper Code: WEP.P11.63 Paper Number: 4143
	Title: SPATIAL DISTRIBUTION MAPPING OF CYANOBACTERIAL BLOOM IN LAKE DAECHEONG USING IN-SITU MONITORING DATA AND LANDSAT IMAGERY
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Estimation and Regression
	Session: WEP.P11: Estimation and Regression Applications: Denoising
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jin Ki Park, Jong Hwa Park
View ADD <input type="checkbox"/>	Paper Code: WEP.P31.172 Paper Number: 4145
	Title: DETECTION OF EMULSIFIED OIL IN THE GULF OF MEXICO WITH RADARSAT-2 QUAD-POLARIZED DATA
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR
	Session: WEP.P31: Physical Information Extraction in SAR Polarimetry
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Gordon Staples, Oscar Garcia-Pineda
View ADD <input type="checkbox"/>	Paper Code: MOP.P24.140 Paper Number: 4146
	Title: SPARSE SAR PATCH CLASSIFICATION USING COMPLEX VALUED APPROACH
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Classification and Clustering
	Session: MOP.P24: Region Based Image Classification
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Dusan Gleich
View ADD <input type="checkbox"/>	Paper Code: THP.P3.15 Paper Number: 4147
	Title: A COST-EFFICIENT APPROACH FOR MEASURING MORAN'S INDEX OF SPATIAL AUTOCORRELATION IN GEOSTATIONARY SATELLITE DATA
	Topic: Advancing the Understanding of Our Living Planet: Big Data in Geoscience
	Session: THP.P3: Big Data in Geoscience
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Monidipa Das, Soumya K Ghosh

View ADD <input type="checkbox"/>	Paper Code: WE3.L6.1 Paper Number: 4149
	Title: A VOYAGE THROUGH DIMENSIONS: RECENT INNOVATIONS IN GEOSPATIAL COVERAGES
	Topic: Invited Sessions: Advancing Interoperability for Geoscience Information Systems
	Session: WE3.L6: Advancing Interoperability for Geoscience Information Systems I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Peter Baumann
View ADD <input type="checkbox"/>	Paper Code: WE1.L4.4 Paper Number: 4150
	Title: GLOBAL MAPPING OF LAND SURFACE SOIL MOISTURE FROM THE WATER CYCLE OBSERVATION MISSION (WCOM)
	Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress
	Session: WE1.L4: Water Cycle Observation Mission (WCOM): Development and Progress I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Jiancheng Shi, Panpan Yao, Tianjie Zhao
View ADD <input type="checkbox"/>	Paper Code: WE1.L4.1 Paper Number: 4151
	Title: THE WATER CYCLE OBSERVATION MISSION (WCOM): OVERVIEW
	Topic: Invited Sessions: Water Cycle Observation Mission (WCOM): Development and Progress
	Session: WE1.L4: Water Cycle Observation Mission (WCOM): Development and Progress I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Jiancheng Shi, Xiaolong Dong, Tianjie Zhao, Yang Du, Hao Liu, Zhenzhan Wang, Di Zhu, Dabin Ji, Chuan Xiong, Lingmei Jiang
View ADD <input type="checkbox"/>	Paper Code: THP.P12.62 Paper Number: 4156
	Title: NEW RADIOMETRIC CALIBRATION SITE LOCATED AT GOBABEB, NAMIB DESERT
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P12: Ground Based GNSS and Optical Sensing
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Agnieszka Bialek, Claire Greenwell, Maxim Lamare, Aimé Meygret, Sebastien Marcq, Sophie Lachérade, Emma Woolliams, Béatrice Berthelot, Marc Bouvet, Martin King, Craig Underwood, Nigel Fox

View ADD <input type="checkbox"/>	Paper Code: THP.P12.63 Paper Number: 4157
	Title: A BISTATIC SAR SIMULATOR FOR GROUND-BASED FIXED-RECEIVER GEOMETRY
	Topic: Mission, Sensors and Calibration: Ground based Systems
	Session: THP.P12: Ground Based GNSS and Optical Sensing
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Ovidiu-Marius Moacă, Anca-Andreea Popescu, Andrei Anghel, Mihai Datcu
View ADD <input type="checkbox"/>	Paper Code: TH4.L4.5 Paper Number: 4158
	Title: FROST HEAVE ESTIMATION OF MARSHY SOIL BY ALOS PALSAR INTERFEROMETRY AND GEODETIC LEVELING, CASE STUDY FROM THE BAIKAL LAKE REGION
	Topic: Cryosphere: Snow Cover
	Session: TH4.L4: Snow Cover
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Tumen Chimitdorzhiev, Pavel Dagurov, Michail Bykov, Aleksey Dmitriev, Irina Kirbizhekova
View ADD <input type="checkbox"/>	Paper Code: TUP.P31.167 Paper Number: 4160
	Title: A DIMENSIONALITY REDUCTION APPROACH FOR THE VISUALIZATION OF THE CLUSTER SPACE: A TRUSTWORTHINESS EVALUATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Feature Extraction and Reduction
	Session: TUP.P31: Noise Reduction Techniques
	Time: Tuesday, July 12, 17:20 - 19:00
	Authors: Andreea Griparis, Daniela Faur, Mihai Datcu
View ADD <input type="checkbox"/>	Paper Code: TH2.L10.5 Paper Number: 4161
	Title: RICE PHENOLOGY RETRIEVAL AUTOMATICALLY USING POLARIMETRIC SAR
	Topic: Invited Sessions: Advanced Methods for Polarimetric SAR Information Extraction
	Session: TH2.L10: Advanced Methods for Polarimetric SAR Information Extraction II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: Kun Li, Zhi Yang, Yun Shao, Long Liu, Fengli Zhang
View	Paper Code: WE1.L12.5 Paper Number: 4166

ADD <input type="checkbox"/>	<p>Title: EDDIES IN THE WESTERN MEDITERRANEAN SEEN BY SPACEBORNE RADAR</p> <p>Topic: Oceans: Ocean Surface Winds and Currents</p> <p>Session: WE1.L12: Ocean Waves and Currents</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Svetlana Karimova, Martin Gade</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR3.L8.4 Paper Number: 4167</p> <p>Title: GLOBAL MAPPING OF SNOW WATER EQUIVALENT WITH THE WATER CYCLE OBSERVATION MISSION (WCOM)</p> <p>Topic: Mission, Sensors and Calibration: Satellite Missions</p> <p>Session: FR3.L8: Satellite Missions</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Chuan Xiong, Jiancheng Shi, Lingmei Jiang, Yurong Cui</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L5.5 Paper Number: 4169</p> <p>Title: BENEFIT OF MODELING THE OBSERVATION ERROR IN A DATA ASSIMILATION FRAMEWORK USING VEGETATION INFORMATION OBTAINED FROM PASSIVE-BASED MICROWAVE DATA</p> <p>Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass</p> <p>Session: TH2.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: John Bolten, Iliana Mladenova, Wade Crow, Richard de Jeu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: FR1.L7.3 Paper Number: 4170</p> <p>Title: MONITORING URBANIZATION DYNAMICS IN THE SOUTHEAST U.S. USING DMSP/OLS NIGHTLIGHT TIME SERIES</p> <p>Topic: Invited Sessions: Urbanization and Environmental Change</p> <p>Session: FR1.L7: Urbanization and Environmental Change I</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Linlin Lu</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MOP.P3.20 Paper Number: 4171</p> <p>Title: A COMPREHENSIVE EVALUATION OF FEATURE SELECTION ALGORITHMS IN HYPERSPECTRAL IMAGE CLASSIFICATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering</p> <p>Session: MOP.P3: Classification of Hyperspectral Image I</p> <p>Time: Monday, July 11, 17:20 - 19:00</p>

	Authors: Hamed Gholami Vijouyeh, Gulsen Taskin
View ADD <input type="checkbox"/>	Paper Code: FR3.L3.3 Paper Number: 4172
	Title: SUBPIXEL TARGET DETECTION IN HYPERSPECTRAL IMAGES FROM SUPERPIXEL BACKGROUND STATISTICS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: FR3.L3: Target Detection Techniques
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Yilong Liang, Panos Markopoulos, Eli Saber
View ADD <input type="checkbox"/>	Paper Code: TH3.L7.5 Paper Number: 4174
	Title: COMPOUND AND CONFIGURABLE FRAMEWORK FOR EXPLORATORY EARTH OBSERVATION DATA ANALYSIS
	Topic: Data Management and Education: Data Management and Systems
	Session: TH3.L7: Data Management and Systems
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Corina Vaduva, Florin Andrei Georgescu, Mihai Datcu
View ADD <input type="checkbox"/>	Paper Code: FR2.L7.3 Paper Number: 4175
	Title: INTERANNUAL VARIATION OF VEGETATION GREENNESS AND WATER BODY SURFACE AREA AND THEIR RELATIONSHIP WITH SETTLEMENT DEVELOPMENT IN XINJIANG, CHINA
	Topic: Invited Sessions: Urbanization and Environmental Change
	Session: FR2.L7: Urbanization and Environmental Change II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Qingting Li
View ADD <input type="checkbox"/>	Paper Code: WE1.L8.3 Paper Number: 4182
	Title: MOON-BASED SYNTHETIC APERTURE RADAR: REVIEW AND CHALLENGES
	Topic: Invited Sessions: Lunar-based Earth Observation
	Session: WE1.L8: Lunar-based Earth Observation I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Alfredo Renga, Antonio Moccia
View ADD <input type="checkbox"/>	Paper Code: TU3.L11.5 Paper Number: 4185
	Title: SNOWSTORM CLIMATOLOGY DERIVED FROM NASA MERRA REANALYSIS AS AN EXAMPLE FOR EVENT-BASED VIRTUAL COLLECTIONS

Topic: Atmosphere Applications: Precipitation and Clouds
Session: TU3.L11: Clouds and Precipitation III
Time: Tuesday, July 12, 13:30 - 15:10
Authors: Kwo-Sen Kuo, Kush Shrestha, Amy Lin, Michael Rilee, Rahul Ramachandran

View ADD <input type="checkbox"/>	Paper Code: MO3.L6.3 Paper Number: 4186
	Title: DATACUBES AS A SERVICE PARADIGM
	Topic: Invited Sessions: Earth Observing Data Science
	Session: MO3.L6: Earth Observing Data Science I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Peter Baumann, Angelo Pio Rossi

View ADD <input type="checkbox"/>	Paper Code: TH1.L5.4 Paper Number: 4187
	Title: Retrieval of forest aboveground biomass through the synergy of X-band (TerraSAR-X/TandDEM-X) and L-band (PALSAR-2) InSAR data
	Topic: Invited Sessions: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass
	Session: TH1.L5: The Potential Multifrequency Microwave Satellite Data for the Monitoring of Vegetation Biomass I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Wenjian Ni, Guoqing Sun, Zhiyu Zhang, Huina Yu

View ADD <input type="checkbox"/>	Paper Code: THP.P19.104 Paper Number: 4188
	Title: SIMULATION OF MOON-BASED OBSERVATION FOR LARGE-SCALE EARTH SCIENCE PHENOMENA
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: THP.P19: Interdisciplinary Topics I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yuanzhen Ren, Huadong Guo, Guang Liu, Hanlin Ye, Yixing Ding, Daowei Zhang, Zhixing Ruan, Mingyang Lv

View ADD <input type="checkbox"/>	Paper Code: TU4.L10.2 Paper Number: 4189
	Title: DEVELOPMENT OF NEXT GENERATION DIGITAL BEAMFORMING SYNTHETIC APERTURE RADAR ARCHITECTURES
	Topic: Invited Sessions: Future Digital Beamforming SAR Missions
	Session: TU4.L10: Future Digital Beamforming SAR Missions
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Rafael Rincon, Temilola Fatoyinbo, Batuhan Osmanoglu, Seung-Kuk Lee, K. Jon Ranson, Guoqing Sun, Tobias Bollian

View ADD <input type="checkbox"/>	Paper Code: WE1.L11.2 Paper Number: 4190
	Title: TWO YEARS AND FOUR MONTHS ORBITAL OPERATIONS STATUS OF THE DUAL-FREQUENCY PRECIPITATION RADAR ON THE GLOBAL PRECIPITATION MEASUREMENT CORE SPACECRAFT
	Topic: Invited Sessions: Global Precipitation Measurement Instruments and Algorithms
	Session: WE1.L11: Global Precipitation Measurement Instruments and Algorithms I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Kinji Furukawa, Tomomi Nio, Toshiyuki Konishi, Takeshi Masaki, Toshio Iguchi

View ADD <input type="checkbox"/>	Paper Code: WE2.L8.1 Paper Number: 4192
	Title: ATMOSPHERIC OBSERVATIONS FROM THE MOON: A LUNAR EARTH-OBSERVATORY
	Topic: Invited Sessions: Lunar-based Earth Observation
	Session: WE2.L8: Lunar-based Earth Observation II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Patrick Hamill

View ADD <input type="checkbox"/>	Paper Code: MO3.L11.5 Paper Number: 4194
	Title: MONITORING OZONE IN DIFFERENT SPECTRAL REGIMES FROM SPACE AND BALLOON (SENTINEL-4/-5P, TELIS)
	Topic: Invited Sessions: Atmosphere Remote Sensing and their Application in Air Pollution
	Session: MO3.L11: Atmosphere Remote Sensing and its Application in Air Pollution I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Jian Xu, Franz Schreier, Diego Loyola, Olena Schüssler, Adrian Doicu, Thomas Trautmann

View ADD <input type="checkbox"/>	Paper Code: THP.P34.188 Paper Number: 4197
	Title: ESTIMATING THE NUMBER OF ENDMEMBERS FROM HYPERSPECTRAL IMAGE USING NONCENTRAL CHI-SQUARED DISTRIBUTION MODEL
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing
	Session: THP.P34: Spectral Unmixing Techniques II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Zhiyong Li, Jibei Li, Gang Wang

View ADD <input type="checkbox"/>	Paper Code: TU2.L3.5 Paper Number: 4199
	Title: DETECTION OF DENSELY ARRAYED TARGETS IN HIGH RESOLUTION SAR IMAGES: A STUDY CASE IN THE DAVIS-MONTHAN AIR FORCE BASE
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Object Detection and Recognition
	Session: TU2.L3: Detection with High Resolution Images
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Zeyu Liu, Bin Liu, Zenghui Zhang, Wenxian Yu, Hui Zhang, Bin Zhou

View ADD <input type="checkbox"/>	Paper Code: TH3.L3.5 Paper Number: 4200
	Title: DEFORESTATION CHANGE DETECTION USING HIGH-RESOLUTION MULTI-TEMPORAL XBAND SAR IMAGES AND SUPERVISED LEARNING CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): Change Detection and Multi-Temporal Analysis
	Session: TH3.L3: Change Detection Applications
	Time: Thursday, July 14, 13:30 - 15:10
	Authors: Thiago Luiz Morais Barreto, Rafael Antonio da Silva Rosa, Christian Wimmer, João Bosco Nogueira Júnior, Jurandy Almeida, Fabio Augusto Menocci Cappabianco

View ADD <input type="checkbox"/>	Paper Code: WE3.L1.1 Paper Number: 4206
	Title: ASPECTS AND CHALLENGES OF COSAR IMAGE FORMATION
	Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): SAR Imaging Techniques
	Session: WE3.L1: SAR Imaging Techniques I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Marc Rodriguez-Cassola, Paco López-Dekker, Pau Prats-Iraola, Francesco De Zan, Gerhard Krieger, Alberto Moreira

View ADD <input type="checkbox"/>	Paper Code: WE2.L8.4 Paper Number: 4208
	Title: UNIFICATION OF SAR IMAGE FORMATION AND POST-PROCESSING FOR ENVIRONMENTAL REMOTE SENSING APPLICATION
	Topic: Invited Sessions: Lunar-based Earth Observation
	Session: WE2.L8: Lunar-based Earth Observation II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Jie Chen, Huadong Guo, Wei Yang, Xinwu Li, Pengbo Wang, Lu Zhang, Kai Wang, Wenjin Wu, Huiying Liu

View ADD <input type="checkbox"/>	Paper Code: TH1.L4.3 Paper Number: 4210
	Title: A PRELIMINARY ASSESSMENT OF THE IMPACT OF SMAP SOIL MOISTURE ON NUMERICAL WEATHER FORECASTS FROM GFS AND NUWRF MODELS
	Topic: Invited Sessions: Applications of SMAP Data for Science and Society: A showcase of SMAP Early Adopter Research
	Session: TH1.L4: Applications of SMAP Data for Science and Society: A Showcase of SMAP Early Adopter Research I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Xiwu Zhan, Weizhong Zheng, Li Fang, Jicheng Liu, Chris Hain, Jifu Yin, Michael Ek
View ADD <input type="checkbox"/>	Paper Code: WE4.L8.1 Paper Number: 4215
	Title: THE OPERATIONAL APPLICATION OF CHINESE HIGH-RESOLUTION SATELLITE IN THE INVESTIGATION OF LAND AND RESOURCES
	Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications
	Session: WE4.L8: Status and Development of China High-Resolution Earth Observation System and Applications II
	Time: Wednesday, July 13, 15:40 - 17:20
	Authors: Fuping Gan, Xinglin Mu, Chenchao Xiao
View ADD <input type="checkbox"/>	Paper Code: WE2.L8.2 Paper Number: 4216
	Title: INITIAL RESULTS ON THE DEPTH-TO-DIAMETER RATIO OF SUB-KILOMETER CRATERS ON THE MOON
	Topic: Invited Sessions: Lunar-based Earth Observation
	Session: WE2.L8: Lunar-based Earth Observation II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Shujuan Sun, Zongyu Yue, Kaichang Di
View ADD <input type="checkbox"/>	Paper Code: TH4.L2.3 Paper Number: 4217
	Title: EXTENDED MULTI-STRUCTURE LOCAL BINARY PATTERN FOR HIGH-RESOLUTION IMAGE SCENE CLASSIFICATION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Classification and Clustering
	Session: TH4.L2: High Resolution Image Analysis
	Time: Thursday, July 14, 15:40 - 17:20
	Authors: Xiaoyong Bian, Chen Chen, Qian Du, Yuxia Sheng
View	Paper Code: FR3.L8.1 Paper Number: 4219

ADD <input type="checkbox"/>	Title: THE CAPABILITY AND DEVELOPMENT OF CHINESE OCEAN DYNAMICAL ENVIRONMENT SATELLITES Topic: Mission, Sensors and Calibration: Satellite Missions Session: FR3.L8: Satellite Missions Time: Friday, July 15, 13:30 - 15:10 Authors: Huan Zhang, Qingjun Zhang, Yongjun Jia
View ADD <input type="checkbox"/>	Paper Code: WE3.L8.1 Paper Number: 4222 Title: STATUS AND DEVELOPMENT OF CHINA HIGH-RESOLUTION EARTH OBSERVATION SYSTEM AND APPLICATION Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications Session: WE3.L8: Status and Development of China High-Resolution Earth Observation System and Applications I Time: Wednesday, July 13, 13:30 - 15:10 Authors: Xudong Tong, Wenbo Zhao, Jin Xing, Fu Wang
View ADD <input type="checkbox"/>	Paper Code: WE1.L8.5 Paper Number: 4224 Title: AN OVERVIEW OF THE SCIENTIFIC PAYLOADS IN CHINESE CHANG'E-3 LUNAR MISSION Topic: Invited Sessions: Lunar-based Earth Observation Session: WE1.L8: Lunar-based Earth Observation I Time: Wednesday, July 13, 08:20 - 10:00 Authors: Yingzhuo Jia, Shuwu Dai, Yongliao Zou, Xiuwei Chen
View ADD <input type="checkbox"/>	Paper Code: FR2.L7.4 Paper Number: 4225 Title: DIGITAL BEIJING CONSTRUCTION AND APPLICATION BASED ON THE URBAN THREE-DIMENSIONAL MODELLING AND REMOTE SENSING MONITORING TECHNOLOGY Topic: Invited Sessions: Urbanization and Environmental Change Session: FR2.L7: Urbanization and Environmental Change II Time: Friday, July 15, 10:30 - 12:10 Authors: Li Guan, Yanjie Ding, Xuebing Feng, Hui Zhang
View ADD <input type="checkbox"/>	Paper Code: MOP.P43.270 Paper Number: 4228 Title: APPLICATION OF GF-1 DATA IN AGRICULTURAL MONITORING IN CHINA Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition Session: MOP.P43: Vehicle and Aircraft Detection Time: Monday, July 11, 17:20 - 19:00

	Authors: Zhongxin Chen, Qingbo Zhou, Jia Liu, Limin Wang, Fei Teng
View ADD <input type="checkbox"/>	Paper Code: THP.P20.105 Paper Number: 4229
	Title: INITIAL OBSERVATION OF THE LUNAR IONOSPHERE FROM CHANG'E 5 T1 ORBITER RADIO OCCULTATION
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: THP.P20: Interdisciplinary Topics II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Mingyuan Wang, Songtao Han, Jinsong Ping, Qiang Zhang
View ADD <input type="checkbox"/>	Paper Code: THP.P19.100 Paper Number: 4230
	Title: 2-WAY LUNAR RADIO PHASE RANGING AND PRELIMINARY RESULT FROM CE-3 LUNAR LANDER MISSION
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: THP.P19: Interdisciplinary Topics I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Jinsong Ping, Meng Qiao, Wu Gongyou, Li Wenxiao, Wang Mingyuan, Chen Congyan, Zhang Tianyi, Wang Zhen
View ADD <input type="checkbox"/>	Paper Code: WE1.L8.4 Paper Number: 4232
	Title: ATMOSPHERIC GRAVITY WAVES OBSERVATION FROM A LUNAR BASE
	Topic: Invited Sessions: Lunar-based Earth Observation
	Session: WE1.L8: Lunar-based Earth Observation I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Martin Kaufmann, Rui Song
View ADD <input type="checkbox"/>	Paper Code: THP.P19.101 Paper Number: 4233
	Title: Lunar-based SAR Interferometry of Macro-scale Solid Earth's Dynamics: Concepts, Mechanisms and Models
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: THP.P19: Interdisciplinary Topics I
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Liming Jiang, Sidao Ni, Xinyuan Wang, Xiange Lei, Qiang Shen, Hansheng Wang
View ADD <input type="checkbox"/>	Paper Code: FR3.L11.2 Paper Number: 4234
	Title: RESEARCH ON MICROWAVE THERMAL EMISSION AT TYCHO AREA AND ITS GEOLOGICAL SIGNIFICANCE

	<p>Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics</p> <p>Session: FR3.L11: Interdisciplinary Topics</p> <p>Time: Friday, July 15, 13:30 - 15:10</p> <p>Authors: Zhiguo Meng, Rui Zhao, Zhanchuan Cai, Jinsong Ping, Zesheng Tang, Si Chen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P20.106 Paper Number: 4241</p> <p>Title: A SIMULATION METHOD FOR THERMAL INFRARED IRRADIANCE OF LAND SURFACE FROM THE LUNAR</p> <p>Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics</p> <p>Session: THP.P20: Interdisciplinary Topics II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Chenwei Nie, Jingjuan Liao, Guozhuang Shen</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L3.3 Paper Number: 4242</p> <p>Title: HYPERSPECTRAL UNMIXING BASED VEGETATION DETECTION WITH SEGMENTATION</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Target Detection and Unmixing</p> <p>Session: FR2.L3: Spectral Unimixing Techniques II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Okan Bilge Özdemir, Hilal Soydan, Yasemin Yardımcı Çetin, H. Şebnem Düzgün</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: THP.P20.107 Paper Number: 4243</p> <p>Title: THE GEOCENTRIC POSITION DETERMINATION FOR EXTREME ULTRAVIOLET IMAGES OF THE CHANG'E-3 LANDER</p> <p>Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics</p> <p>Session: THP.P20: Interdisciplinary Topics II</p> <p>Time: Thursday, July 14, 17:20 - 19:00</p> <p>Authors: Chen Zheng, Mingyuan Wang, Jinsong Ping</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE3.L8.4 Paper Number: 4244</p> <p>Title: CAPACITY ANALYSIS OF GF - 4 ON THE DISASTER MANAGEMENT</p> <p>Topic: Invited Sessions: Status and Development of China High-Resolution Earth Observation System and Applications</p>

	Session: WE3.L8: Status and Development of China High-Resolution Earth Observation System and Applications I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Yida Fan, Wei Wu, Ming Liu, Suju Li, Haixia He, Yang Shu

View ADD <input type="checkbox"/>	Paper Code: THP.P20.108 Paper Number: 4245
	Title: SAR INFORMATION INTEGRATED PROCESSING AND ITS APPLICATION METHOD STUDY
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: THP.P20: Interdisciplinary Topics II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Huadong Guo, Jie Chen, Xinwu Li, Chunming Han, Lu Zhang, Guozhuang Shen, Junjie Zhu, Guang Liu, Zhuo Li, Wenjin Wu, Kai Wang, Huiying Liu

View ADD <input type="checkbox"/>	Paper Code: WE2.L8.5 Paper Number: 4248
	Title: COVERAGE ANALYSIS ON GLOBAL CHANGE SENSITIVE REGIONS FROM MOON BASED OBSERVATION
	Topic: Invited Sessions: Lunar-based Earth Observation
	Session: WE2.L8: Lunar-based Earth Observation II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Hanlin Ye, Huadong Guo, Guang Liu, Yuanzhen Ren, Yixing Ding, Mingyang Lv

View ADD <input type="checkbox"/>	Paper Code: WE1.L8.1 Paper Number: 4250
	Title: MOON-BASED EARTH OBSERVATION FOR LARGE SCALE GEOSCIENCE PHENOMENA
	Topic: Invited Sessions: Lunar-based Earth Observation
	Session: WE1.L8: Lunar-based Earth Observation I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Huadong Guo, Guang Liu, Yixing Ding, Yongliao Zou, Shaopeng Huang, Liming Jiang, Gensuo Jia, Mingyang Lv, Yuanzhen Ren, Zhixing Ruan, Hanlin Ye

View ADD <input type="checkbox"/>	Paper Code: MOP.P21.122 Paper Number: 4251
	Title: COMPARISON OF GPM SOUNDER CHANNELS WITH GRUAN RADIOSONE DATA
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P21: Microwave Radiometry
	Time: Monday, July 11, 17:20 - 19:00

	Authors: Hamideh Ebrahimi, Ruiyao Chen, Thomas Wilheit, Saswati Datta, W. Linwood Jones
View ADD <input type="checkbox"/>	Paper Code: THP.P20.109 Paper Number: 4253
	Title: A BABY STEP FOR CHINA BUT A GIANT LEAP FOR HUMANS: THREE BASIC ISSUES WITH CHINESE INITIATIVE OF MOON-BASED EARTH OBSERVATION SAR SYSTEM
	Topic: Advancing the Understanding of Our Living Planet: Interdisciplinary Topics
	Session: THP.P20: Interdisciplinary Topics II
	Time: Thursday, July 14, 17:20 - 19:00
	Authors: Yong Wang, Taoli Yang, Jiang Qian
View ADD <input type="checkbox"/>	Paper Code: TU3.L3.5 Paper Number: 4254
	Title: AUTOMATIC ROAD DETECTION FROM GRAY-LEVEL IMAGES IN WIDE AREA SURVEILLANCE
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: TU3.L3: Road and Building Detection
	Time: Tuesday, July 12, 13:30 - 15:10
	Authors: Oğul Can, Yeti Ziya Gürbüz, A. Aydın Alatan
View ADD <input type="checkbox"/>	Paper Code: TH2.L4.1 Paper Number: 4255
	Title: ENHANCING THE USDA GLOBAL CROP ASSESSMENT DECISION SUPPORT SYSTEM USING SMAP L3 SOIL MOISTURE DATA
	Topic: Invited Sessions: Applications of SMAP Data for Science and Society: A showcase of SMAP Early Adopter Research
	Session: TH2.L4: Applications of SMAP Data for Science and Society: A Showcase of SMAP Early Adopter Research II
	Time: Thursday, July 14, 10:30 - 12:10
	Authors: John Bolten, Iliana Mladenova, Wade Crow, Curt Reynolds
View ADD <input type="checkbox"/>	Paper Code: WEP.P2.10 Paper Number: 4257
	Title: Monitoring Atmospheric Composition by GEO-KOMPSAT-1 and 2
	Topic: Atmosphere Applications: Aerosols and Atmospheric Chemistry
	Session: WEP.P2: Aerosols and Atmospheric Chemistry IV
	Time: Wednesday, July 13, 17:20 - 19:00
	Authors: Jhoon Kim, Mijin Kim, Myungje Choi, GEMS Science Team, Young-Je Park, Chu-Yong Chung, Limseok Chang, Seung Hoon Lee

View ADD <input type="checkbox"/>	Paper Code: TH1.L4.1 Paper Number: 4259
	Title: OVERVIEW OF THE SMAP APPLICATIONS AND THE SMAP EARLY ADOPTERS PROGRAM – NASA'S FIRST MISSION-DIRECTED OUTREACH EFFORT
	Topic: Invited Sessions: Applications of SMAP Data for Science and Society: A showcase of SMAP Early Adopter Research
	Session: TH1.L4: Applications of SMAP Data for Science and Society: A Showcase of SMAP Early Adopter Research I
	Time: Thursday, July 14, 08:20 - 10:00
	Authors: Vanessa M. Escobar, Sabrina Delgado Arias, Susan Moran, Grey Nearing, Dara Entekhabi, Eni G. Njoku, Simon Yueh, Brad Doorn, Rolf Reichle

View ADD <input type="checkbox"/>	Paper Code: MO4.L12.3 Paper Number: 4260
	Title: WIND FIELD RETRIEVING UNDER RAINY CONDITION FROM COMBINED OBSERVATIONS OF SCATTEROMETER AND RADIOMETER ONBOARD HY-2A
	Topic: Invited Sessions: Status and Development of Chinese Meteorological and Oceanographic Series Satellites
	Session: MO4.L12: Status and Development of Chinese Meteorological and Oceanographic Series Satellites II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Xingou Xu, Xiaolong Dong, Di Zhu, Shuyan Lang, Kuntang Chen

View ADD <input type="checkbox"/>	Paper Code: TU2.L1.2 Paper Number: 4261
	Title: DEDICATED CALIBRATION CONCEPT FOR INTERFEROMETRIC SAR COMPANION MISSIONS
	Topic: Invited Sessions: Advances on Spaceborne SAR Imaging
	Session: TU2.L1: Advances on Spaceborne SAR Imaging II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Marc Rodriguez-Cassola, Pau Prats-Iraola, Matteo Nannini, Paco López-Dekker, Alberto Moreira, Bernardo Carnicero-Dominguez

View ADD <input type="checkbox"/>	Paper Code: MOP.P21.120 Paper Number: 4262
	Title: SENSIVITY OF XCAL DOUBLE DIFFERENCE APPROACH TO OCEAN SURFACE EMISSIVITY AND ITS IMPACT ON INTER-CALIBRATION IN GPM CONSTELLATION
	Topic: Mission, Sensors and Calibration: Microwave Radiometer Instruments and Calibration
	Session: MOP.P21: Microwave Radiometry
	Time: Monday, July 11, 17:20 - 19:00

Authors: Ruiyao Chen, Hamideh Ebrahimi, W. Linwood Jones	
View ADD <input type="checkbox"/>	Paper Code: MO4.L11.3 Paper Number: 4264
	Title: Evaluation of the representativeness of ground-based visibility for analysis the spatial and temporal variability of aerosol optical thickness in China
	Topic: Invited Sessions: Atmosphere Semote Sensing and their Application in Air Pollution
	Session: MO4.L11: Atmosphere Remote Sensing and its Application in Air Pollution II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Zhaoyang Zhang, Man Sing Wong
View ADD <input type="checkbox"/>	Paper Code: MO4.L11.5 Paper Number: 4265
	Title: OPTICAL CHARACTERISTICS OF AEROSOLS AND CLOUDS STUDIED BY USING GROUND-BASED SKYNET AND SATELLITE REMOTE SENSING DATA
	Topic: Invited Sessions: Atmosphere Semote Sensing and their Application in Air Pollution
	Session: MO4.L11: Atmosphere Remote Sensing and its Application in Air Pollution II
	Time: Monday, July 11, 15:40 - 17:20
	Authors: Pradeep Khatri, Hitoshi Irie, Tamio Takamura, Husi Letu
View ADD <input type="checkbox"/>	Paper Code: FR3.L10.4 Paper Number: 4267
	Title: A CONVOLUTIONAL DEEP BELIEF NETWORK FOR POLARIMETRIC SAR DATA FEATURE EXTRACTION
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR
	Session: FR3.L10: SAR Polarimetry I
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Radu Tanase, Mihai Datcu, Dan Raducanu
View ADD <input type="checkbox"/>	Paper Code: WE1.L10.4 Paper Number: 4268
	Title: POL-INSAR CALIBRATION OF ALOS-2: ANALYSIS AND RESULTS FROM THE CAL-VAL PHASE
	Topic: Invited Sessions: ALOS-2
	Session: WE1.L10: ALOS-2 I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Konstantinos Papathanassiou, Jun-Su Kim

View ADD <input type="checkbox"/>	Paper Code: FR3.L2.5 Paper Number: 4269
	Title: ESTIMATION OF DRIFT OF EQUATORIAL IONOSPHERE OF POST SUNSET-SECTOR BY MEANS OF LOW FREQUENCY SPACE-BORNE SAR
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Estimation and Regression
	Session: FR3.L2: Estimation and Regression Applications
	Time: Friday, July 15, 13:30 - 15:10
	Authors: Jun-Su Kim, Hiroatsu Sato, Konstantinos Papathanassiou
View ADD <input type="checkbox"/>	Paper Code: FR2.L4.3 Paper Number: 4270
	Title: MICROWAVE BRIGHTNESS TEMPERATURE OF SNOW: OBSERVATIONS AND SIMULATIONS
	Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow
	Session: FR2.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Martti Hallikainen, Juha Lemmetyinen
View ADD <input type="checkbox"/>	Paper Code: FR2.L7.1 Paper Number: 4271
	Title: 500-year climate cycles stacking of recent centennial warming documented in an East Asian pollen record
	Topic: Invited Sessions: Urbanization and Environmental Change
	Session: FR2.L7: Urbanization and Environmental Change II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Deke Xu, Houyuan Lu, Guoqiang Chu, Naiqin Wu
View ADD <input type="checkbox"/>	Paper Code: MO3.L10.3 Paper Number: 4272
	Title: TANDEM-X: SCIENCE ACTIVITIES
	Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities
	Session: MO3.L10: TanDEM-X: Mission Status and Science Activities I
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Irena Hajsek, Thomas Busche
View ADD <input type="checkbox"/>	Paper Code: FR2.L10.2 Paper Number: 4273
	Title: SAR IMAGING OF TROPICAL AFRICAN FORESTS WITH P-BAND MULTIBASELINE ACQUISITIONS: RESULTS FROM THE AFRISAR CAMPAIGN

	<p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR2.L10: PolSAR and PolInSAR Information Extraction II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Irena Hajsek, Matteo Pardini, Ralf Horn, Rolf Scheiber, Konstantinos Papathanassiou, Pascale Dubois Fernandez, Remi Baque, Xavier Dupuis, Tania Casal</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WE1.L6.3Paper Number: 4274</p> <p>Title: FUSION AND CLASSIFICATION OF AERIAL IMAGES FROM MAVS AND AIRPLANES FOR LOCAL INFORMATION ENRICHMENT</p> <p>Topic: Invited Sessions: Data Fusion</p> <p>Session: WE1.L6: Data Fusion I</p> <p>Time: Wednesday, July 13, 08:20 - 10:00</p> <p>Authors: Xiangyu Zhuo, Shiyong Cui, Franz Kurz, Peter Reinartz</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU4.L10.5Paper Number: 4275</p> <p>Title: Verification of scan-on-receive beamforming for X-Band HRWS applications</p> <p>Topic: Invited Sessions: Future Digital Beamforming SAR Missions</p> <p>Session: TU4.L10: Future Digital Beamforming SAR Missions</p> <p>Time: Tuesday, July 12, 15:40 - 17:20</p> <p>Authors: Grzegorz Adamiuk, Thomas Fuegen, Christian Fischer, Bernhard Grafmueller, Friedhelm Rostan, Christoph Heer</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: FR2.L10.5Paper Number: 4276</p> <p>Title: VOLUME STRUCTURE CHARACTERISATION BY MEANS OF MULTI-BASELINE POL-INSAR: STATUS AND CHALLENGES</p> <p>Topic: Data Analysis Methods (Optical, Multispectral,Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: FR2.L10: PolSAR and PolInSAR Information Extraction II</p> <p>Time: Friday, July 15, 10:30 - 12:10</p> <p>Authors: Konstantinos Papathanassiou, Matteo Pardini, Irena Hajsek</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: MO3.L10.1Paper Number: 4277</p> <p>Title: TanDEM-X MISSION STATUS: THE COMPLETE NEW TOPOGRAPHY OF THE EARTH</p> <p>Topic: Invited Sessions: TanDEM-X: Mission Status and Science Activities</p> <p>Session: MO3.L10: TanDEM-X: Mission Status and Science Activities I</p> <p>Time: Monday, July 11, 13:30 - 15:10</p>

	Authors: Manfred Zink, Alberto Moreira, Markus Bachmann, Benjamin Bräutigam, Thomas Fritz, Irena Hajnsek, Gerhard Krieger, Birgit Wessel
View ADD <input type="checkbox"/>	Paper Code: TU2.L6.4 Paper Number: 4280
	Title: LARGE URBAN ZONE CLASSIFICATION ON SPOT-5 IMAGERY WITH CONVOLUTIONAL NEURAL NETWORKS
	Topic: Invited Sessions: Remote Sensors and Sensing of Urban Areas
	Session: TU2.L6: Remote Sensors and Sensing of Urban Areas II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Vladimir A. Krylov, Michaela de Martino, Gabriele Moser, Sebastiano B. Serpico
View ADD <input type="checkbox"/>	Paper Code: MO3.L3.5 Paper Number: 4281
	Title: A LOCAL EXTREMA BASED METHOD ON 2D BRIGHTNESS TEMPERATURE MAPS FOR DETECTION OF ARCHAEOLOGICAL ARTIFACTS
	Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): Object Detection and Recognition
	Session: MO3.L3: Image Processing Techniques of Detecting
	Time: Monday, July 11, 13:30 - 15:10
	Authors: Alper Koz, Hilal Soydan, H. Şebnem Düzgün, A. Aydın Alatan
View ADD <input type="checkbox"/>	Paper Code: FR1.L7.4 Paper Number: 4283
	Title: IMPACTS OF SOCIO-ECONOMIC DEVELOPMENT AND URBANIZATION ON NATURAL RESOURCES – CASE STUDIES FROM AFRICA
	Topic: Invited Sessions: Urbanization and Environmental Change
	Session: FR1.L7: Urbanization and Environmental Change I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Ursula Gessner, Kim Knauer, Miriam Machwitz, Stefan Dech, Claudia Kuenzer
View ADD <input type="checkbox"/>	Paper Code: TU4.L10.4 Paper Number: 4284
	Title: TANDEM-L: MAIN RESULTS OF THE PHASE A FEASIBILITY STUDY
	Topic: Invited Sessions: Future Digital Beamforming SAR Missions
	Session: TU4.L10: Future Digital Beamforming SAR Missions
	Time: Tuesday, July 12, 15:40 - 17:20
	Authors: Gerhard Krieger, Alberto Moreira, Manfred Zink, Irena Hajnsek, Sigurd Huber, Michelangelo Villano, Konstantinos Papathanassiou, Marwan Younis, Paco López-Dekker, Matteo Pardini, Daniel Schulze, Markus Bachmann, Daniela Borla Tridon, Jens Reimann, Benjamin

	Bräutigam, Ulrich Steinbrecher, Carolina Tienda, Maria Sanjuan Ferrer, Mriantonietta Zonno, Michael Eineder, Francesco De Zan, Alessandro Parizzi, Thomas Fritz, Erhard Diedrich, Edith Maurer, Ralf Muenzenmayer, Bernhard Grafmueller, Rainhard Wolters, Frank te Hennepe, Robert Ernst, Charlotte Bewick
View ADD <input type="checkbox"/>	<p>Paper Code: FR1.L4.4 Paper Number: 4285</p> <p>Title: MAPPING OF SNOW PARAMETERS WITH POLARIMETRIC AND MULTIFREQUENCY SAR DATA IN A SUBARCTIC ENVIRONMENT</p> <p>Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow</p> <p>Session: FR1.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow I</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Monique Bernier, Yannick Duguay, Florent Domine</p>
View ADD <input type="checkbox"/>	<p>Paper Code: MO4.L1.5 Paper Number: 4286</p> <p>Title: ASSESSMENT OF FOREST STRUCTURE ESTIMATION BY MEANS OF SAR TOMOGRAPHY: POTENTIAL AND LIMITATIONS</p> <p>Topic: Invited Sessions: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications</p> <p>Session: MO4.L1: SAR Tomography of Distributed Media: Advanced Processing Techniques and Innovative Applications II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Marivi Tello, Victor Cazcarra, Matteo Pardini, Konstantinos Papathanassiou</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH2.L4.3 Paper Number: 4287</p> <p>Title: THICKNESS OF THIN SEA ICE RETRIEVED FROM SMOS AND SMAP</p> <p>Topic: Invited Sessions: Applications of SMAP Data for Science and Society: A showcase of SMAP Early Adopter Research</p> <p>Session: TH2.L4: Applications of SMAP Data for Science and Society: A Showcase of SMAP Early Adopter Research II</p> <p>Time: Thursday, July 14, 10:30 - 12:10</p> <p>Authors: Marcus Huntemann, Catalin Patilea, Georg Heygster</p>
View ADD <input type="checkbox"/>	<p>Paper Code: TH1.L4.4 Paper Number: 4289</p> <p>Title: IMPACTS OF SMAP DATA IN ENVIRONMENT CANADA'S REGIONAL DETERMINISTIC PREDICTION SYSTEM</p> <p>Topic: Invited Sessions: Applications of SMAP Data for Science and Society: A showcase of SMAP Early Adopter Research</p>

	<p>Session: TH1.L4: Applications of SMAP Data for Science and Society: A Showcase of SMAP Early Adopter Research I</p> <p>Time: Thursday, July 14, 08:20 - 10:00</p> <p>Authors: Bernard Bilodeau, Marco Carrera, Albert Russell, Xihong Wang, Stephane Belair</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: WEP.P38.210 Paper Number: 4290</p> <p>Title: Dual co-polarized ATI observations of the ocean surface with TanDEM-X</p> <p>Topic: Cryosphere: Sea Ice</p> <p>Session: WEP.P38: Sea Ice I</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Paco López-Dekker, Pau Prats-Iraola, Bertrand Chapron</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TU2.L1.3 Paper Number: 4292</p> <p>Title: MULTI-BASELINE SPACEBORNE SAR IMAGING</p> <p>Topic: Invited Sessions: Advances on Spaceborne SAR Imaging</p> <p>Session: TU2.L1: Advances on Spaceborne SAR Imaging II</p> <p>Time: Tuesday, July 12, 10:30 - 12:10</p> <p>Authors: Alberto Moreira, Octavio Ponce, Matteo Nannini, Matteo Pardini, Pau Prats-Iraola, Andreas Reigber, Konstantinos Papathanassiou, Gerhard Krieger</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TH3.L8.1 Paper Number: 4295</p> <p>Title: SMALL SATELLITE DEVELOPMENTS</p> <p>Topic: Invited Sessions: Earth Remote Sensing with Small Satellites</p> <p>Session: TH3.L8: Earth Remote Sensing with Small Satellites I</p> <p>Time: Thursday, July 14, 13:30 - 15:10</p> <p>Authors: Boon Lim</p>
<p>View</p> <p>ADD <input type="checkbox"/></p>	<p>Paper Code: TUP.P41.223 Paper Number: 4296</p> <p>Title: SLAPEX FREEZE/THAW 2015: THE FIRST DEDICATED SOIL FREEZE/THAW AIRBORNE CAMPAIGN</p> <p>Topic: Land Applications: Soils and Soil Moisture</p> <p>Session: TUP.P41: Soil Properties II</p> <p>Time: Tuesday, July 12, 17:20 - 19:00</p> <p>Authors: Edward Kim, Albert Wu, Eugenia De Marco, Jarrett Powers, Aaron Berg, Tracy Rowlandson, Jacqueline Freeman, Kurt Gottfried, Peter Toose, Alexandre Roy, Chris Derksen, Alain Royer, Stephane Belair, Paul Houser, Kyle McDonald, Jared Entin, Kristin Lewis</p>

View ADD <input type="checkbox"/>	Paper Code: FR2.L4.4 Paper Number: 4297
	Title: SNOWEX: NASA'S NEXT MAJOR SNOW CAMPAIGN
	Topic: Invited Sessions: Active/Passive Microwave Remote Sensing of Terrestrial Snow
	Session: FR2.L4: Active/Passive Microwave Remote Sensing of Terrestrial Snow II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Edward Kim, Charles Gatebe, Dorothy Hall, Chris Crawford, Do Hyuk Kang, Eugenia De Marco, Jared Entin, Kristin Lewis
View ADD <input type="checkbox"/>	Paper Code: FR1.L9.5 Paper Number: 4298
	Title: MICROWAVE TOMOGRAPHY AND UNCONVENTIONAL GPR MEASUREMENT CONFIGURATIONS: REVIEW OF THE PERFORMANCE ANALYSIS AND EXAMPLES
	Topic: Invited Sessions: Advanced Ground Penetrating Radar
	Session: FR1.L9: Advanced Ground Penetrating Radar I
	Time: Friday, July 15, 08:20 - 10:00
	Authors: Ilaria Catapano, Gianluca Gennarelli, Francesco Soldovieri
View ADD <input type="checkbox"/>	Paper Code: WE2.L8.3 Paper Number: 4299
	Title: TOWARDS MOON-BASED MONITORING OF ENERGY BUDGET OF THE EARTH CLIMATE SYSTEM
	Topic: Invited Sessions: Lunar-based Earth Observation
	Session: WE2.L8: Lunar-based Earth Observation II
	Time: Wednesday, July 13, 10:30 - 12:10
	Authors: Shaopeng Huang, Jingjuan Liao, Jie Guang, Jiangtao Wu, Shengshan Bi, Xiaoyin Tang, Jiujie Kuang
View ADD <input type="checkbox"/>	Paper Code: WE1.L9.1 Paper Number: 4300
	Title: AN INTERPRETATION OF UNDERWATER LIDAR WAVEFORMS BASED ON A MODIFIED WEIBULL PROBABILITY DISTRIBUTION FUNCTION
	Topic: Invited Sessions: Advances in Bathymetric and Oceanographic Lidar Studies
	Session: WE1.L9: Advances in Bathymetric and Oceanographic Lidar Studies I
	Time: Wednesday, July 13, 08:20 - 10:00
	Authors: Martin Montes, Anni Vuorenkoski, Fraser Dalgleish
View	Paper Code: WEP.P31.170 Paper Number: 4301

ADD <input type="checkbox"/>	<p>Title: POLARIMETRIC PROPERTIES OF MICROWAVE BISTATIC SCATTERING FROM A LAYERED SASTRUGI SURFACE</p> <p>Topic: Data Analysis Methods (Optical, Multispectral, Hyperspectral, SAR): POL and POLInSAR</p> <p>Session: WEP.P31: Physical Information Extraction in SAR Polarimetry</p> <p>Time: Wednesday, July 13, 17:20 - 19:00</p> <p>Authors: Kun-Shan Chen, Xu Peng, Yu Liu</p>
View	<p>Paper Code: MO4.L6.4 Paper Number: 4303</p> <p>Title: NEAR REAL-TIME SATELLITE DATA QUALITY MONITORING AND CONTROL</p> <p>Topic: Invited Sessions: Earth Observing Data Science</p> <p>Session: MO4.L6: Earth Observing Data Science II</p> <p>Time: Monday, July 11, 15:40 - 17:20</p> <p>Authors: Weiguo Han, Matthew Jochum</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: FR1.L7.5 Paper Number: 4305</p> <p>Title: ASSESSMENT OF THE ECOLOGICAL SECURITY BASED ON THE ECOLOGICAL CARRYING CAPACITY</p> <p>Topic: Invited Sessions: Urbanization and Environmental Change</p> <p>Session: FR1.L7: Urbanization and Environmental Change I</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Guangzhen Cao, Peng Hou</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: FR1.L7.1 Paper Number: 4306</p> <p>Title: THE GLOBAL HUMAN SETTLEMENT LAYER FROM LANDSAT IMAGERY</p> <p>Topic: Invited Sessions: Urbanization and Environmental Change</p> <p>Session: FR1.L7: Urbanization and Environmental Change I</p> <p>Time: Friday, July 15, 08:20 - 10:00</p> <p>Authors: Martino Pesaresi, Daniele Ehrlich, A. J. Florczyk, S. Freire, A. Julea, T. Kemper, V. Syrris</p>
ADD <input type="checkbox"/>	
View	<p>Paper Code: MO3.L8.1 Paper Number: 4307</p> <p>Title: PERSPECTIVES ON CHINESE DEVELOPMENTS IN SPACEBORNE IMAGING SPECTROSCOPY: WHAT TO EXPECT IN THE NEXT 5-10 YEARS</p> <p>Topic: Invited Sessions: International Spaceborne Imaging Spectroscopy Missions: Updates and News</p> <p>Session: MO3.L8: International Spaceborne Imaging Spectroscopy Missions: Updates and News I</p>
ADD <input type="checkbox"/>	

	Time: Monday, July 11, 13:30 - 15:10
	Authors: Lifu Zhang
View ADD <input type="checkbox"/>	Paper Code: WE3.L10.1 Paper Number: 4308
	Title: SENTINEL-1B LEOP AND COMMISSIONING
	Topic: Invited Sessions: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results
	Session: WE3.L10: Sentinel-1 Constellation Mission: Capabilities and Scientific Exploitation Results I
	Time: Wednesday, July 13, 13:30 - 15:10
	Authors: Ramón Torres, Dave Bibby, Dirk Geudtner, Stein Løkås, Gianluigi Di Cosimo
View ADD <input type="checkbox"/>	Paper Code: FR2.L7.2 Paper Number: 4309
	Title: URBANIZATION AND FOREST DEGRADATION IN EAST AFRICA - A CASE STUDY AROUND DAR ES SALAAM, TANZANIA
	Topic: Invited Sessions: Urbanization and Environmental Change
	Session: FR2.L7: Urbanization and Environmental Change II
	Time: Friday, July 15, 10:30 - 12:10
	Authors: Lorena Hojas, Hugh Eva, Daniele Ehrlich, Martino Pesaresi, Frédéric Achard, Javier Garcia
View ADD <input type="checkbox"/>	Paper Code: TU2.L10.3 Paper Number: 4310
	Title: COSMO-SKYMED STRATEGIES AND ACTIONS TO SUCCESSFULLY INCREASE THE LIFE OF BOTH GROUND SEGMENT AND SPACE SEGMENT
	Topic: Invited Sessions: COSMO-SkyMed Mission: Current and Future Activities
	Session: TU2.L10: COSMO-SkyMed Mission: Current and Future Activities II
	Time: Tuesday, July 12, 10:30 - 12:10
	Authors: Luca Fasano, Mauro Cardone, Rosa Loizzo, Maria Libera Battagliere, Giuseppe Francesco De Luca
View ADD <input type="checkbox"/>	Paper Code: TUP.P36.197 Paper Number: 4311
	Title: IMAGING SPECTROMETER IN VISIBLE & NEAR INFRARED (VNIR) AND SHORT WAVE INFRARED (SWIR) BANDS FOR GEO IMAGING SATELLITE (GISAT)
	Topic: Mission, Sensors and Calibration: Passive Optical, Hyperspectral Sensors and Calibration
	Session: TUP.P36: Passive Optical Applications & Sensors
	Time: Tuesday, July 12, 17:20 - 19:00

	Authors: Amit Kurulkar, Manish Mehta, Anup Vora, Manish Saxena, Somya Sarkar
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">View</div> <div style="border: 1px solid black; padding: 5px;">ADD <input type="checkbox"/></div>	Paper Code: MOP.P10.59 Paper Number: 4312
	Title: GABON SPACE ACTIVITIES: THE NEW GROUND STATION
	Topic: Data Management and Education: Data Management and Systems
	Session: MOP.P10: Data Management and Systems I
	Time: Monday, July 11, 17:20 - 19:00
	Authors: Igor Karl Longa Boucka, Aboubakar Mambimba Ndjoungui

Add selected papers
Select all
Select none