

# IEEE YP GRSS Conference 2016

20-21 October 2016

German Aerospace Center (DLR) – Oberpfaffenhofen, Germany

## Preliminary Programme

### Day 1 - Thursday, October 20, 2016

#### Plenary Session

- 14:00 - 14:15 Welcome (F. Nunziata and G.Ruello on YP GRSS)  
14:15 – 14:30 Welcome (I. Hajsek on DLR-HR activities)  
14:30 - 15:00 Keynote talk (G. Krieger on Tandem-L)

#### Session 1: SAR Interferometry and Tomography – Chairmen: Dr. Matteo Pardini, Muriel Pinheiro (DLR, HR)

- 15:00 – 15:20 Angel Caroline Johns, “Interferometric Processing for Surface Deformation Monitoring”  
15:20 – 15:40 Changhyun Choi, “Determination of Optimum Conditions of Tandem-X to Generate Fine Topography in Coastal Areas”  
15:40 – 16:00 Victor Cazcarra, “Estimation of Forest Structure Using Synthetic Aperture Radar Tomography”

16:00 – 16:20 Coffee break

#### Session 2: Passive Sensors – Chairmen: Dr. Uta Heiden (DLR, DFD), Dr. Silvia Maria Alfieri (TU Delft)

- 16:20 – 16:40 Ridhi Saluja, “Developing Spectral Library of Wetland Structural Components Using Field Spectroscopy for Ecological Health Assessment”  
16:40 – 17:00 Daniele Cerra, “The Hyperspectral Desis Sensor on the ISS: Global vs. Rolling Shutter”  
17:00 – 17:20 Fathalrahman Adam, “Urban Classification From Optical Satellite Images Using Different Learning Techniques”  
17:20 – 17:40 Fatima Ezzahra El Ghandour, “Using Earth Observation Data For Evapotranspiration Mapping And Monitoring In The Oum Er-Rbia Watershed (Central Morocco)”  
17:40 – 18:00 Armin Nasab, “The Effect of Denoising on Superresolution of Hyperspectral Imaging”

20:00 Bavarian dinner at **Augustinerkeller**

## Day 2 - Friday, October 21, 2016

### Session 3: Image Segmentation and Classification – Chairmen: Dr. Ferdinando Nunziata (Univ. Napoli), Dr. Jun Su Kim (DLR, HR) (+ Posters hang up)

- 9:00 – 9:20 Sajid Pareeth, “Crop Type Extraction From Temporal Sentinel-2 Imagery Using Object Based Segmentation Approach”
- 9:20 – 9:40 Nina Amiri, “Feature Relevance Assessment For Single Tree Species Classification Using Als Point Clouds And Aerial Imagery”
- 9:40 – 10:00 Ali Baghi, “Sar Image Segmentation Using Region Growing And Spectral Cluster”
- 10:00 – 10:20 Rizwan Ahmed Ansari, “Texture Based Classification Using Wavelet And Curvelet Transforms”
- 10:20 – 11:00 Coffee break // Posters

### Session 4: New Missions – Chairmen: Dr. Michelangelo Villano (DLR, HR), Dr. Ivana Perna (Fraunhofer, IMF)

- 11:00 – 11:20 Carlo Convevole, “Geosar Performance Statistics: Wheat Clutter Model”
- 11:20 – 11:40 Jalal Matar, “Medium Earth Orbit Synthetic Aperture Radar Missions”
- 11:40 – 12:00 Mehdi Darvishi, “3D Reconstruction of a Large Landslide from UAV-Based Imagery”
- 12:00 – 12:20 Sebastian Buchelt “Roof Identification in Urban Areas using Lidar Data”
- 12:20 – 13:20 Lunch
- 13:20 – 14:00 Coffee and Posters

### Session 5: Synthetic Aperture Radar – Chairmen: Hannah Joerg (DLR, HR), Dr. Giuseppe Ruello (Univ. Napoli)

- 14:00 – 14:20 Donato Amitrano, “Urban Area Mapping using Multi-temporal RGB SAR images”
- 14:20 – 14:40 Valeria Corcione, “SAR Data to Monitor Typhoons”
- 14:40 – 15:00 Lena Brüggeman, “Contribution of Sentinel-1 SAR data to the Retrieval of Winter Wheat Phenology Using Data Assimilation in PROMET”
- 15:00 – 15:20 Davod Poreh, “A Fully Polarimetric Sar Raw Signal Simulator”
- 15:20 – 15:40 Paolo Valdo, “Analysis Of Agricultural Crops Evolution In Time With Tandem-X”
- 15:40 – 15:50 **Wrap up** (F. Nunziata)

## Posters

Farzana Naseem, "Mapping Urban Areas of Pakistan Using Night Time Light Data"

Shahid Parvez, "Combating with Avalanche Disasters using Google Earth - A case study of Gyari Sector Avalanche in Pakistan"

Muhammad Luqman, "River Channel Dynamics Detection Using Remote Sensing and Gis Technologies- A Case Study of River Chenab in Indo-Pak Region"

Hasti Abdullah, "Water Quality Index Models for Dokan Lake Using Landsat 8 OLI Satellite Images"

Satish Prasad, "Assessment of Decadal River Width Variations and its Implications on Riverine Landscape Dynamics"

Fanar Mansur Abed, "Evaluate Registration Process of Close-Range Terrestrial Laser Scanning for Cultural Heritage Documentation"

Dhiraj Kumar Singh, "Comparison of Performance Acceleration Technologies for Imaging Algorithms used in SAR Remote Sensing"

Soufyane Nasri, "Dynamism of Spatial Planning to Improve Management of Urban Expansions of Meknes city. Contribution of Multisource Spatial Imagery."

Shaunak De, "Snow-Cover Mapping with Insight into a Sparse Representation Approach using Polarimetric SAR Data"

Hossein Rezaei, "SAR Image Denoising using Homomorphic and Shearlet Transforms"

Ashkan Adibi, "Unsupervised Support Vector Machine Classifier for Hyperspectral Data"

Nadia Akdim, "Crop Monitoring Based on Spot5 (Take5) and Landsat-8 Data for the Estimation of Crop and Irrigation Water Requirements"

Irina Carlan, "Multi-/Hyperspectral Analysis for Assessing Urban Vegetation Stress in Bucharest, Romania"

Pierrot Ramanamandimby, "Spatial Analysis and Landscape Modelisation of the Eastern Region of Madagascar by Imagery Satellite SPOT 5."