Call for Papers
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Special Issue on
"Recent Advances in Processing of High-Spatial-Resolution Remote Sensing Data"

Since the launch of the first high-spatial-resolution (HSR) remote sensing satellite (IKONOS, on September, 1999), we have been entering a new era of high-resolution Earth Observation. A variety of high-resolution remote sensing platforms continue to emerge. The new generation of the WorldView-3 satellite can provide high-resolution and super-spectral images, and the HSR imaging radar (SAR) satellites, e.g., Cosmo-SkyMed, TerraSAR-X, are capable of gathering high-resolution information independent of weather conditions. Smart satellites (e.g., SkySat), constellations, and video satellites, become practically useful due to their high revisit frequency. Unmanned Aerial Vehicles (UAVs) have also received increasing attention, thanks to their timely, flexible and efficient data acquisition capacity. In this context, new and advanced processing and analysis methods for HSR data are truly needed.

This special issue will cover relevant topics in HSR data processing, such as
- New high-resolution sensors or platforms
- HSR image/data analysis (e.g., geometrical processing, feature extraction, classification, object recognition, change detection)
- Machine learning for HSR data
- Multisource HSR data fusion
- Big data for HSR remote sensing
- Multi-view or multi-angle data processing (e.g., HSR stereo, SAR interferometry, and tomography)
- Technical review

Important Dates
July 31, 2018	Full paper submission deadline
July 2019	Publication date

Format
All submissions will be peer reviewed according to the IEEE Geoscience and Remote Sensing Society guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on http://mc.manuscriptcentral.com/jstars, using the Manuscript Central interface and select the "Recent Advances in Processing of High-Spatial-Resolution Remote Sensing Data" special issue manuscript type. Prospective authors should consult the site http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7676436 for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single spaced). Please note that IEEE JSTARS applies a mandatory page over length charge of $200 per page (beginning with page 7 and beyond).

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