



Advances in High-Resolution Satellite Remote Sensing Image Processing and Classification

Guest Editors:

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Deadline for manuscript
submissions:
closed (10 May 2025)

Message from the Guest Editors

The special issue welcomes the following topics but not limited to:

- Geometric and radiometric processing of high-resolution satellite remote sensing images;
- Registration and fusion of multi-source and multi-modal satellite remote sensing images;
- High-precision and high-quality 3D reconstructions of satellite remote sensing images ;
- Object extraction and accuracy evaluation in 3D reconstruction;
- Deep learning methods for satellite image processing and interpretation;
- Enhancement and super-resolution reconstruction for satellite remote sensing images ;
- Segmentation and clustering of satellite remote sensing images ;
- Automation in thematic map production (e.g., spatial and temporal pattern analysis, change detection);
- New satellite camera calibration, orientation, and 3D reconstruction;
- Change detection in complex environments (e.g., farmlands, buildings);
- Fine extraction of main food crops;
- Monitoring of phenological periods using satellite remote sensing images.





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