



Remote Sensing Based Building Extraction II

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Message from the Guest Editors

Building extraction from remote sensing data plays an important role in urban planning, disaster management, navigation, and several other geospatial applications. The rapid development of image processing techniques and easily available very-high-resolution multispectral, hyperspectral, LiDAR, and SAR remote sensing images have further boosted the research on building-extraction-related topics. Building from the previous SI ‘Remote Sensing based Building Extraction’ ’s great success, this SI aims to investigate the cutting-edge methodology and applications related to one or more of the following topics:

- Advanced AI models for building detection and extraction;
- Semantic remote sensing image segmentation;
- 2D/3D change detection;
- Disaster monitoring;
- Rooftop modelling from remotely sensed data;
- 3D point cloud segmentation;
- Building boundary extraction and vectorization;
- Large scale urban growth monitoring;
- Weakly supervised classification and object detection;
- Time-series remote sensing data analysis;
- Multi-sensor, multi-resolution, and multi-modality data fusion;
- Climate adaptation of smart cities;
- Sustainable development.





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Message from the Editor-in-Chief

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