



Remote Sensing based Building Extraction

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Deadline for manuscript
submissions:

closed (31 October 2019)

Message from the Guest Editors

The rapid growth of sensor technologies poses unique challenges in the detection, extraction and modelling of buildings from remote sensing data. Despite the fact that significant research has been ongoing for more than two decades, the success of automatic building extraction and modelling is still largely impeded by scene complexity, incomplete cue extraction and sensor dependency of data.

Therefore, intelligent and innovative algorithms are in dire need for the success of automatic building extraction and modelling. This Special Issue will focus on the newly-developed methods for classification and feature extraction from remote sensing data and will cover (but is not limited to) the following topics:

- Aerial and satellite data collected from different sensors (VHR, hyperspectral, SAR, LiDAR, UAV, thermal imagery, oblique imagery, etc.);
- Data analysis and data fusion for building detection, boundary extraction, rooftop modelling, and change detection;
- Data analysis and data fusion for land cover classification (semantic segmentation, buildings/roads extraction, vehicle detection, land use/cover mapping, etc.).





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Message from the Editorial Board

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