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Remote Sensing based Building Extraction

Guest Editors:

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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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Special Issue

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Editor-in-Chief

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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