Special Issue

LiDAR-Based Building Information Modeling: Recent Progress and Applications

Message from the Guest Editors

With the rapid advancement of remote sensing and reality-capturing technologies, LiDAR has emerged as one of the most rapid, precise, and versatile 3D measurement technologies. This technology enables to capture of 3D representations of surrounding environments and objects as a 3D point cloud map or a 3D mesh model with high accuracy and completeness.

This Special Issue aims to collate papers on the state of the art of LiDAR-based BIM research including, but not limited to, LiDAR data analysis and data fusion in building detection and 3D building reconstruction, rooftop modeling and building boundary extraction, and change detection for BIM-based applications (e.g., urban growth monitoring, land use/land cover (LULC) mappings, navigation, emergency response, etc.).

Keywords

- LiDAR
- laser scanning
- point cloud modeling and analysis
- Building Information Modelling (BIM)
- digital terrain models (DTM)
- geographic mapping
- semantic segmentation
- 3D reconstruction
- object extraction
- .....

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Deadline for manuscript submissions

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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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