Special Issue

LiDAR and Point Cloud Processing for Digital Surface Modelling and 3D Scene Reconstruction

Message from the Guest Editors

The geographical complexity of some particular landforms and the fast change in urban environment require more effective and efficient solutions for digital surface modeling and 3D scene reconstruction. This Special Issue will highlight the studies and applications of point cloud in geographic mapping and modeling. Specifically, recent advances in deep learning methods, the integration of multisource and multiplatform data, the semantic and topographic interpretation of scenes, and the generation of standard-format models (e.g., CityGML) are covered in this Special Issue. Articles may address but are not limited to the following topics:

- Terrain filtering;
- Point cloud segmentation and classification;
- Integration/registration of multiplatform point clouds;
- Fusion of point cloud with spectral data;
- Deep learning of point cloud;
- Object extraction from point cloud;
- 3D urban reconstruction from point cloud;
- Point cloud modeling in other applications.

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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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