



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

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Message from the Guest Editors

Dear Colleagues,

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

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