



Point Cloud Processing in Remote Sensing Technology

Guest Editors:

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Deadline for manuscript
submissions:

closed (30 November 2022)

Message from the Guest Editors

The Special Issue invites authors to submit contributions in (but not limited to) the following topics:

- Point cloud generation and quality analyses for new or improved sensors;
- Deep learning methods, specific network designs, transfer learning, and data organisation strategies for realising new or improved classification and object detection tasks as required for self-driving cars, etc.;
- Classical semantic segmentation and classification methods are still relevant for many tasks;
- Innovative 2.5D and 3D modelling algorithms, as often used in mobile and corridor mapping, but also for traditional topographic point clouds, such as terrain, surface, building and tree modelling;
- Data fusion of point clouds acquired from different sensors, scales, and accuracies ;
- Multi-temporal analyses, which are used, for example, for change detection, updating inventory databases, land slide monitoring, or disaster management;
- Methods and algorithms for interacting with point clouds to visualise, inspect, and highlight specific aspects of the dataset;
- Optimised algorithms, strategies and data structures for efficiently processing huge point clouds.





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Message from the Editor-in-Chief

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