# Special Issue

# Point Cloud Processing in Remote Sensing Technology

### 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.

### Guest Editors


Dr. Johannes Otepka

Dr. Martin Weinmann

Dr. Di Wang

Dr. Kourosh Khoshelham


### Deadline for manuscript submissions

closed (30 November 2022)


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## Message from the Editorial Board

*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.

## Editors-in-Chief

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