Special Issue

3D Modelling from Point Cloud: Algorithms and Methods

Message from the Guest Editors

This Special Issue focusses on algorithms and methods related to 3D models, defined as mathematical representations of surfaces of objects in three-dimensional Euclidean space. Although the methodology and software for the processing of remotely sensed point clouds has matured considerably throughout the last decade, numerous challenges remain, related, for example, to:

- Difficult measurement environments;
- The fusion of heterogeneous data;
- Large-scale 3D point clouds;
- Accommodation of outliers;
- Spatio-temporal correlations;
- High-accuracy modeling; and
- Modeling of new or complex kinds of phenomena/objects

We therefore welcome novel algorithms and methods
- That take special data characteristics
- Which utilize approaches from disciplines
- For surface reconstruction, pattern recognition, image classification and segmentation, crowd sourcing, feature extraction, SAR interferometry, etc.
- Solve a real-world problem in a scientific application

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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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