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3D Modelling from Point Cloud: Algorithms and Methods

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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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Message from the Editor-in-Chief

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