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Automatic Segmentation, Reconstruction, and Modelling from Laser Scanning Data

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Deadline for manuscript submissions:
15 January 2025

Message from the Guest Editors

Dear Colleagues,

At present, the miniaturization and highly integration trends of LiDAR components are becoming evident, while the performance of laser scanning systems has also been improved. This has resulted in an influx of massive, very high density and high precision point cloud data at a relatively low cost. One challenge when dealing with laser scanning data is that those datasets are unorganized and big data sets. Therefore, the efficient and automatic segmentation, classification, reconstruction and modelling of point clouds collected using laser scanning technology has been the focus of many research papers.

This Special Issue aims to attract innovative and well-documented article contributions showcasing recent achievements in the field of LiDAR. Submitted manuscripts may cover, although not limited to, topics related to:

Machine learning algorithms for point cloud segmentation and clustering;

Combining LiDAR point cloud and multispectral/hyperspectral image data for segmentation, reconstruction and modelling;

Application of 3D reconstructed models generated from LiDAR point cloud data;

Quality assessment of the segmentation, reconstruction, and modelling process.

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Message from the Editor-in-Chief

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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