Special Issue

Advances in Understanding and 3D Semantic Modeling of Large-Scale Urban Scenes from Point Clouds (Second Edition)

Message from the Guest Editors

Following the success of our previous Special Issue "Advances in Understanding and 3D Semantic Modeling of Large-Scale Urban Scenes from Point Clouds", we are happy to announce a new one has been created. We position our Special Issue to support the ongoing efforts in the 3D scanning and modeling industry by focusing on applications of LiDAR/RGB-D/photogrammetric point clouds. The topics addressed within this Special Issue may encompass a wide array of subjects, including but not limited to:

- The enhancement, registration, and filtering of point clouds;
- Semantic, instance, panoptic, and part-level segmentation;
- Large-scale outdoor scene and indoor scene reconstruction;
- Detail synthesis and implicit modeling of urban scenes;
- The 3D modeling of buildings, bridges, roads, trees, and utilities;
- The rendering and visualization of urban scenes;
- Polyhedral meshes, procedural models, and model simplification;
- Deep learning-based reconstruction and point-based neural radiance fields;
- Innovative applications in smart cities, VR/AR, autonomous driving, indoor navigation, etc.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2024)



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About the Journal

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 peerreview 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.

Editor-in-Chief

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