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

Dr. Dong Chen

Dr. Jiaming Na

Dr. Jiju Poovvancheri

Prof. Dr. Norbert Pfeifer

Deadline for manuscript submissions

closed (30 November 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/187450

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

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 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.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)