



3D Reconstruction Based on Remote Sensing Imagery and Lidar Point Cloud

Guest Editors:

Dr. Lingli Zhu

Finnish Geospatial Research
Institute FGI – Department of
Remote Sensing and
Photogrammetry,
Geodeetinrinne 2, FI-02430
Masala, Finland

Prof. Dr. Jonathan Li

Geospatial Sensing and Data
Intelligence Lab, Faculty of
Environment, University of
Waterloo, 200 University Avenue
West, Waterloo, ON N2L 3G1,
Canada

Prof. Dr. Sylvie Daniel

Department of Geomatics
Sciences, Université Laval, 1055
Avenue du Séminaire, Quebec
City, QC G1V 0A6, Canada

Deadline for manuscript
submissions:

closed (31 August 2021)

Message from the Guest Editors

Remote sensing data-based 3D reconstruction is a very important research topic. It involves the fields of remote sensing, photogrammetry, computer vision, graphics, and machine learning. We would like to invite you to submit articles on your recent research linked to the title of this Special Issue, which is “3D Reconstruction Based on Remote Sensing Imagery and LiDAR Point Cloud”. Contributions may focus on (but not be limited to) the following topics:

- 3D reconstruction from remote sensing images (satellite/aerial images, UAV images, terrestrial images/close range images);
- 3D reconstruction from point cloud, including indoor and outdoor;
- 3D reconstruction from a single image;
- 3D reconstruction from multiview images;
- 3D reconstruction from multimodality data;
- 3D reconstruction from multitemporal data;
- 3D reconstruction from crowdsources;
- 3D reconstruction from videos;
- 3D reconstruction for robotic mapping;
- 3D reconstruction for digital twins;
- 3D reconstruction for AR and VR;
- 3D reconstruction for archeology;
- 3D reconstruction for gaming.





an Open Access Journal by MDPI

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

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.

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*)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)