



Point Cloud Processing in Remote Sensing

Guest Editors:

Dr. Wei Yao

Dr. Francesco Pirotti

Dr. Naoto Yokoya

Dr. Yusheng Xu

Deadline for manuscript
submissions:

closed (1 May 2020)

Message from the Guest Editors

Dear Colleagues,

Point clouds are deemed to be one of the foundational pillars in representing the 3D digital world despite irregular topology among discrete points. Recently, the advancement in sensor technologies that acquire point cloud data for a flexible and scalable geometric representation has paved the way for the development of new ideas, methodologies and solutions in countless remote sensing applications. The state-of-the-art sensors are capable of capturing and describing objects in a scene by using dense point clouds from various platforms (satellite, aerial, UAV, vehicle-borne, backpack, handheld and static terrestrial), perspectives (nadir, oblique and side-view), spectrums (multispectral), and granularity (point density and completeness). Meanwhile, the ever-expanding application areas of point cloud processing have already covered not only conventional domains in geospatial analysis, but also include manufacturing, civil engineering, construction, transportation, ecology, forestry, mechanical engineering and so on.

The Special Issue aims at contributions that focus on processing and utilizing point cloud data acquired from laser scanners





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, Grosspeteranlage 5
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)