Special Issue

Geospatial Intelligence in Remote Sensing: Scene Perception, Semantic Interpretation, and Sensor Fusion

Message from the Guest Editors

We present this Special Issue with the scope focusing on the cutting-edge intelligent interpretation for urban mapping based on 2D and 3D remote sensing data. Potential topics for this Special Issue include, but are not limited to the following:

- Learning-based algorithms for low-level remote sensing image processing, including image super-resolution, image denoising, image fusion, etc.
- Intelligent methods for 3D point cloud processing, including point cloud filtering, point cloud registration, etc.
- Advanced semantic interpretation methods of 2D images and 3D point clouds in urban scenarios, including semantic segmentation, scene classification, object detection, etc.
- Advanced data fusion methods based on machine learning techniques using 2D images and 3D point clouds
- Innovative mapping applications using multi-source 2D images and 3D point clouds

Guest Editors

Dr. Yusheng Xu

Dr. Rubén Fernández-Beltrán

Dr. Jian Kang

Dr. Wei Yao

Deadline for manuscript submissions

closed (31 May 2021)

Remote Sensing

About the Journal

Message from the Editorial Board

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.

Editors-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

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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)