Special Issue

Advances and Challenges on Multisource Remote Sensing Image Fusion: Datasets, New Technologies, and Applications

Message from the Guest Editors

Today, various types of remote sensing images have been developed, including optical/near-infrared satellite images, SAR images, LiDAR intensity/depth images, thermal images, vector map images, etc. Each source of images encodes one aspect of information, and thus, the fusion of different sources of images is conducive to the comprehensive utilization of their advantages. Image fusion has been researched for decades, and a range of techniques related to photogrammetry, computer vision, and artificial intelligence have been developed. However, accurate multisource remote sensing image fusion is still challenging. The topics of this Special Issue include, but are not limited to:

- Large-scale, multisource remote sensing image datasets;
- Multisource remote sensing data fusion methods that are robust when it comes to scale, rotation, and nonlinear radiation- change;
- Machine learning (including deep learning, multitask learning, and transfer learning) for multisource remotely sensed images;
- Multisource image fusion for remote sensing applications, including, but not limited to, geometric orientation, 3D reconstruction, change detection, segmentation, etc.

Guest Editors

Dr. Yuxuan Liu

Prof. Dr. Li Zhang

Prof. Dr. Paul Rosin

Dr. Oktay Karakus

Dr. Zhihua Hu

Deadline for manuscript submissions

closed (15 March 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/165360

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

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)

MDPI