Special Issue

SAR-Based Signal Processing and Target Recognition

Message from the Guest Editors

Dear colleagues, Synthetic aperture radar (SAR) is a class of significantly important remote sensors that work effectively during all weather conditions and during all times of day. SAR has the capability to provide very high-resolution images and multi-dimensional data during a limited period of time, enhancing the spatial-time resolution of observations. Recently, machine learning and deep learning methods have been applied to SAR imaging and target recolonization to drive various algorithms, which can be classified as model-based and data-learning techniques. Compared to model-based approaches, the learning algorithms are more adaptive and show good data robustness with high efficiency for superior performance. However, when limited to small data sets, complex scenes, etc., these learning algorithms may suffer from bad generalization capability, low feature detection robustness, and are impossible to use in practical applications. To promote the development of advanced SAR technologies, further studies are necessary to establish new theories/approaches using the existing models, concepts, and architectural designs.

Guest Editors

Prof. Dr. Lan Du
Prof. Dr. Gang Xu
Prof. Dr. Haipeng Wang

Deadline for manuscript submissions

closed (30 April 2023)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.4

mdpi.com/si/119121

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

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.4

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)