

Special Issue

Multi-Dimensional Radar Sensing: Systems, Algorithms, and Applications

Message from the Guest Editors

Papers for discussing the major challenges, latest developments, and recent advances in this area are highly welcomed.

- Multi-dimensional Radar Sensing: Advances in systems and algorithms;
- Novel applications on multi-dimensional radar sensing;
- MIMO and multistatic/distributed radar systems, schemes, and data processing techniques;
- Three-dimensional SAR imaging with artificial intelligence and machine learning-based approaches;
- Three-dimensional object detection with advanced techniques;
- Deformation monitoring, polarimetric SAR image classification;
- Object reconstruction from multidimensional radar point clouds;
- Advanced data visualization techniques of multi-dimensional radars;
- Image processing and image fusion for multi-sensor data;
- Simultaneous localization and mapping (SLAM) with multi-dimensional radars;
- Millimeter wave radar, Terahertz radar, and LIDAR techniques;
- Advances in radar system implementation including waveform design, hardware design;
- Reviews, techniques, designs or demos addressing future radar developments;
- Novel sensing or imaging techniques potential for multi-dimensional radar applications;

Guest Editors

Prof. Dr. Shunjun Wei

Dr. Mou Wang

Prof. Dr. Gang Xu

Dr. Shaoqing Hu

Deadline for manuscript submissions



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/156180

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



About the Journal

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.

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

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)