

## Special Issue

# Radar and Photo-Electronic Multi-Modal Intelligent Fusion

### Message from the Guest Editors

The major driving force behind recent advances in radar and photo-electronic sensing technologies lies in the development of deep learning skills. Although significant successes have been achieved in previous works, numerous challenges remain in the vertical field of remote sensing, particularly in terms of practical applications. For example, it is infeasible to collect large amounts of radar data with label information; therefore, how to achieve better learning efficiency and inference results with limited sensor data remains challenging, in addition to the challenges around how to boost learning effectiveness with many more kinds of modal data. This Special Issue aims to collect new solutions to these vertical fields, including but not limited to the following:

- Fusion of multi-source radar data for environment monitoring and assessment, natural disaster warning, and evaluation;
- Cross-modal data fusion for image interpretation;
- Radar imaging driven by intelligence techniques;
- Radar signal processing, co-driven by models and data;
- Artificial intelligence-powered signal processing.

---

### Guest Editors

Prof. Dr. Ganggang Dong

Prof. Dr. Xinhua Mao

Prof. Dr. Jianhua Shi

Dr. Xiaowei Hu

---

### Deadline for manuscript submissions

10 September 2026



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/250713](https://mdpi.com/si/250713)

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