

## Special Issue

# GNSS Advanced Positioning Algorithms and Innovative Applications

### Message from the Guest Editors

Global navigation satellite systems (GNSSs) play a fundamental role in our everyday lives, having become the main source of information for timing and outdoor positioning. The nominal open sky performance for GNSS algorithms allow for meter- and centimeter-level accuracies, based on the use of code and carrier phase observations, respectively. However, autonomous systems and other safety-critical applications present more stringent requirements for the reliability, continuity and precision of the navigation solution. This Special Issue focuses on the study of advanced processing schemes for robust and/or high-precision GNSS solutions. This includes innovations related to precise point positioning (PPP) and real-time kinematic (RTK) schemes, the use of low-cost receivers and smartphones as alternatives for geodetic equipment, the use of new correction services, and the detection and exclusion of outliers in harsh signal propagation environments. Furthermore, contributions related to innovative applications for GNSS and experimental and testbed demonstrations will be highly appreciated.

### Guest Editors

Prof. Dr. Anja Heßelbarth

Faculty of Spatial Information, Dresden University of Applied Science,  
Dresden, Germany

Dr. Daniel Medina

German Aerospace Center (DLR), Neustrelitz, Germany

### Deadline for manuscript submissions

closed (26 May 2024)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/149816](https://mdpi.com/si/149816)

*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 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)