

Special Issue

International GNSS Service Validation, Application and Calibration (2nd Edition)

Message from the Guest Editors

This Special Issue is the second volume of the issue “International GNSS Service Validation, Application and Calibration”. On the basis of the previous research results, this volume aims to present recent advances in using real-time GNSS in a variety of applications, as well as validation and calibration techniques. The following are just a few examples of potential topics:

- GNSS precise positioning applications in geodesy;
- GNSS signal processing and calibration;
- The precise non-linear motion modelling of GNSS reference stations and their physical mechanisms;
- Aided real-time GNSS precise positioning services and sensor fusion in challenging environments;
- The identification of GNSS error sources and mitigation mechanisms;
- GNSS augmentation systems and integrity monitoring;
- Real-time GNSS precise positioning services with smartphones;
- The geohazard monitoring of volcanos, earthquakes, subsidence and landslides;
- Connected and autonomous vehicles;
- Integrated applications of BIM and digital twins in infrastructure;
- Monitoring the Earth's ionosphere and troposphere;
- Monitoring deformations of the solid Earth and variations in the hydrosphere.....

Guest Editors

Prof. Dr. Serdjo Kos

Dr. Mario Bakota

Dr. David Brčić

Deadline for manuscript submissions

closed (30 November 2025)



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

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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

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