



Real-time GNSS Precise Positioning Service and its Augmentation Technology

Guest Editors:

Prof. Dr. Xiaolin Meng

Prof. Dr. Chuang Shi

Prof. Dr. Qing Wang

Dr. Ruijie Xi

Deadline for manuscript
submissions:
closed (1 September 2020)

Message from the Guest Editors

With the continuously increasing demand of real-time positioning and timing applications, real-time Global Navigation Satellite System (GNSS) precise positioning and services have drawn increasing attention in recent years.

In this Special Issue, we invite original research and case studies that may include but are not limited to:

Precise real-time GNSS positioning, navigation, timing, and relevant algorithms;

High-precision orbit determination and clock estimation;

Real-time retrieving of troposphere and ionosphere delay using GNSS observations;

Identification of GNSS error sources and mitigation mechanisms;

Earthquake and tsunami early warning using real-time GNSS;

Real-time GNSS positioning application in smart cities, UAV, CAV, etc.;

Structural health monitoring of large infrastructure using real-time GNSS;

Volcano, earthquake, subsidence, and landslide monitoring using GNSS;

GNSS PNT applications using augmentation systems;

GNSS reflectometry for ocean and land applications;

Technologies of integrated GNSS with pseudolites, INS, 3D laser scanning, vision systems, and space- and terrestrial-based Earth Observation.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)