Special Issue

New Advances in GNSS-R Signal Processing

Message from the Guest Editor

The GNSS signal is a source of opportunity for several remote sensing applications, such as GNSS reflectometry and radio occultation. This signal of high quality is broadcast on several frequency bands by several satellite constellations. The global covering of the GNSS system allows remote sensing observations everywhere in the world. This Special Issue focuses on signal processing methods used to extract from the GNSS signal the parameters to process remote sensing observations (SNR, phase, Doppler). GNSS observations have a low signal-to-noise ratio. This is why a number of research works focus on the joint use of the signals of the bi-static radar system and on the joint use of the different bandwidths and constellations of the GNSS system. In this context, applicative or methodological contributions to this Special Issue may include:

- Open loop phase processing;
- Assisted tracking;
- Coherence of phase measurement;
- Precise pseudo-range estimation;
- Carrier-to-noise estimation;
- Modern and multiband GNSS signal processing.

Guest Editor

Prof. Dr. Serge Reboul

Laboratoire d'Informatique Signal et Image de la Côte d'Opale (LISIC), Université du Littoral Côte d'Opale (ULCO), Maison de la Recherche Blaise Pascal BP 719, 62228 Calais CEDEX, France

Deadline for manuscript submissions

closed (30 September 2023)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/127896

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

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

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)