

Special Issue

GPS/INS and Mapping Techniques for Environmental and Infrastructure Monitoring

Message from the Guest Editors

Recent electronic improvements have allowed the development of a number of portable mapping systems, where the combination of a reliable navigation system with mapping sensors enables the quick acquisition of accurate geospatial data. Thanks to their flexibility, such systems are becoming popular in a number of applications, in particular related to environmental and infrastructure monitoring. This Special Issue aims at fostering the spread of recent research results concerning technological, methodological, and geospatial data processing aspects and case studies related to the considered topics. Topics include but are not limited to development of new positioning and navigation approaches, based on GPS/INS and other sensors, also in a simultaneous localization and mapping strategy; development and testing of mapping systems, based on the fusion of information provided by different sensors, such as regular and multispectral cameras, LiDAR, and RADAR; and analysis and processing of geospatial information for environment and infrastructure monitoring, also based on artificial intelligence and machine learning techniques.

Guest Editors

Prof. Dr. Antonio Vettore

Dr. Andrea Masiero

Prof. Dr. Naser El-Sheimy

Deadline for manuscript submissions

closed (18 January 2022)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/53349

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



[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)