



Terrestrial and Mobile Mapping in Complex Indoor and Outdoor Environments

Guest Editor:

Dr. Petri Rönholm

Department of Built
Environment, Aalto University,
P.O. Box 14100, 00076 Aalto,
Finland

Deadline for manuscript
submissions:

closed (30 November 2021)

Message from the Guest Editor

The need for accurate mapping of our built environment increases. For example, modern navigation applications, augmented reality, engineering tasks, and building information models require accurate 3D information. In many cases, data are also needed from areas that have poor or non-existing satellite visibility, which causes challenges to systems that rely on direct georeferencing sensors. Simultaneous localization and mapping systems have appeared in the markets, challenging traditional mapping processes. In addition, visual odometry has appeared to support or replace traditional direct georeferencing systems. Automation in both data acquisition and data processing can make mapping processes more efficient. New mapping devices, data processing methods, applications, and more efficient mapping processes are constantly being developed. In this Special Issue, we will compile state-of-the-art research that addresses various aspects of terrestrial and mobile mapping, which allow for the modeling of complex indoor and outdoor environments.





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, St. Alban-Anlage 66
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)