



## Concurrent Positioning, Mapping and Perception of Multi-source Data Fusion for Smart Applications

Guest Editors:

**Prof. Dr. Jingbin Liu**

**Prof. Yuanxi Yang**

**Prof. Dr. Juha Hyypä**

**Prof. Dr. Naser El-Sheimy**

Deadline for manuscript  
submissions:

**closed (30 April 2019)**

### Message from the Guest Editors

Established techniques conducted particularly either positioning (e.g., GNSS) or mapping (e.g., imagery). Advances in emerging sensors, miniaturized mobile platforms (e.g., robot), artificial intelligence methods (e.g., deep learning), and data fusion algorithms allow us to develop multi-source integrated technologies for positioning, mapping and spatial perception in concurrent approaches, which resolve localization of mobile platforms/objects, and simultaneously mapping and understanding the environment. Such concurrent techniques will enable a variety of mobile intelligent systems and applications

The Special Issue on “Concurrent Positioning, Mapping and Perception of Multi-Source Data Fusion for Smart Applications” accepts papers dealing with the following topics of interest (but is not limited to them):

- Ubiquitous positioning and localization across indoor and outdoor environments
- Mobile mapping and digitalization of indoor and outdoor spaces
- Intelligent spatial perception
- Simultaneous and reciprocal positioning, mapping and perception of indoor/outdoor environments
- Smart mobility systems and applications





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](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)