

Special Issue

Intelligent Perception and Robust Positioning Methods in GNSS-Denied Environments

Message from the Guest Editors

We invite the contribution of original research articles, as well as review articles. Potential topics include, but are not limited to, the following:

- GNSS-based positioning indoors/outdoors;
- Positioning based on wireless sensor networks and opportunity signals;
- Inertial navigation systems;
- Vision-based positioning and perception technologies;
- LiDAR-based positioning and perception technologies, such as point cloud data processing methods, objects automatic extraction and classification, and global fine registration of point cloud;
- Multi-source fusion for resilient ubiquitous positioning, such as GNSS+5G positioning, INS/UWB, INS/GNSS, INS/LiDAR, and GNSS/LiDAR/INS;
- Brain-inspired navigation techniques;
- The uses of artificial intelligence and deep learning in perception and positioning;
- Navigation equipment, such as wearable devices for positioning and health monitoring, smart home products, and customized navigation terminals;
- Positioning based on emerging technologies, such as visible light positioning, pseudo-satellites, and millimeter-wave radar;
- Geospatial data crowdsourcing.

Guest Editors

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Dr. Zhaoliang Liu

Dr. Xiaoxiang Cao

Prof. Dr. Liang Chen

Deadline for manuscript submissions

closed (30 June 2025)



Remote Sensing

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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

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