Special Issue

High-Precision Urban Positioning: GNSS and Multi-Sensor Fusion Technologies

Message from the Guest Editors

The goal of this Special Issue is to present the latest developments, methodologies, and applications in the field of high-precision urban positioning with a focus on GNSS and multi-sensor fusion technologies. We aim to bring together contributions that address the theoretical foundations, system design, data processing techniques, and real-world applications of these technologies in complex urban settings.

- GNSS positioning in urban environments;
- Multi-source fusion for navigation (e.g., GNSS + IMU, LiDAR, camera, UWB, 5G, Map);
- Positioning in GNSS-challenged or -denied environments;
- Sensor Integration Technology;
- Real-time kinematic (RTK) and Precise Point Positioning (PPP) improvements;
- Machine learning and AI for urban positioning enhancement;
- Integration of crowdsourced geospatial data for improved positioning;
- Integration of remote sensing products and positioning techniques;
- Urban feature extraction or 3D reconstruction enhanced by precise positioning;
- Novel GNSS-based methodologies for geospatial data acquisition and analysis;
- Remote sensing for urban mobility and smart city applications.

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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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