

Special Issue

GNSS Advanced Positioning Algorithms and Innovative Applications (2nd Edition)

Message from the Guest Editors

Global Navigation Satellite Systems (GNSSs) are critical components within the integrated positioning, navigation, and timing (PNT) framework, serving as the foundation for high-precision positioning across diverse industries. However, as the demand for more robust, seamless, and reliable positioning increases, especially in challenging environments such as urban canyons and under non-line-of-sight (NLOS) conditions, there is a growing need for innovation in GNSS processing and fusion with other sensors. This Special Issue highlights advancements in multi-source GNSS fusion for seamless positioning, including developments in intelligent multipath and NLOS processing, reliable ambiguity resolution, and the online assessment of positioning integrity. We also welcome contributions that explore the application of machine learning in GNSSs, leveraging its potential to enhance high-precision performance on smartphones and in autonomous driving. Furthermore, submissions related to experimental demonstrations of multi-source positioning systems and the role of GNSSs in future integrated PNT frameworks will be highly valued.

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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.

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