Special Issue

GNSS Position, Navigation, and Remote Sensing Based on Multiple Source Observation Fusing

Message from the Guest Editors

The rapid development of Global Navigation Satellite Systems (GNSS) has brought forth new opportunities and challenges in providing precise positioning, navigation, and timing (PNT) services essential for various applications for Earth observing, geohazard monitoring and early warning, and civil applications. This Special Issue aims to (1) explore the intersection of GNSS with multi-source observations, encompassing diverse satellite systems (GPS, GLONASS, Galileo, BDS, etc.), Low Earth Orbiter (LEO) platforms, and other instruments such as inertial system, Lidar, visual sensors, to improve the accuracy, reliability, and robust of GNSS-based PNT services; and (2) discover the fusion of GNSS with other space-based Earth observing technologies such as satellite altimetry, GNSS Reflectometry, and InSAR, coupled with ground-based technologies such as radiosonde and ionosonde, to provide enhanced terrestrial and space weather monitoring data characterized by improved spatial and temporal resolutions. Contributions to this Special Issue are invited to cover recent advances, challenges, and applications in GNSS technology, positioning algorithms, and remote sensing methodologies.

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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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