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GNSS Advanced Positioning Algorithms and Innovative Applications

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Deadline for manuscript submissions:
closed (26 May 2024)

Message from the Guest Editors

Dear Colleagues,

Global navigation satellite systems (GNSSs) play a fundamental role in our everyday lives, having become the main source of information for timing and outdoor positioning. The nominal open sky performance for GNSS algorithms allow for meter- and centimeter-level accuracies, based on the use of code and carrier phase observations, respectively. However, autonomous systems and other safety-critical applications present more stringent requirements for the reliability, continuity and precision of the navigation solution.

This Special Issue focuses on the study of advanced processing schemes for robust and/or high-precision GNSS solutions. This includes innovations related to precise point positioning (PPP) and real-time kinematic (RTK) schemes, the use of low-cost receivers and smartphones as alternatives for geodetic equipment, the use of new correction services, and the detection and exclusion of outliers in harsh signal propagation environments. Furthermore, contributions related to innovative applications for GNSS and experimental and testbed demonstrations will be highly appreciated.

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Message from the Editorial Board

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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