



## GNSS Advanced Positioning Algorithms and Innovative Applications

Guest Editors:

**Prof. Dr. Anja Heßelbarth**

Faculty of Spatial Information,  
Dresden University of Applied  
Science, Dresden, Germany

**Dr. Daniel Medina**

German Aerospace Center (DLR),  
Neustrelitz, Germany

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### 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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*Remote Sensing* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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