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GNSS Signals and Precise Point Positioning

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Deadline for manuscript
submissions:

closed (1 October 2024)

Message from the Guest Editor

Since global navigation satellite systems (GNSSs) became available to the public, GNSSs have become a well-established tool in a broad area of research. Ushered in by an increasing demand for availability, accuracy, and reliability, the mitigation of these challenges has steered intense research on advanced receiver design.

The precise point positioning (PPP) technique is receiving increasing interest due to its cost-effectiveness, global coverage and high accuracy. However, the emergence of multiple satellite navigation systems, including BDS, Galileo, modernized GPS, and GLONASS, brings great opportunities and challenges for PPP. These solutions are shaping the future of GNSS receivers through advanced signal processing and machine learning tools.

This Special Issue considers varied solutions and applications to improve GNSS navigation quality, as well as new applications and improvements in precise point positioning navigation. Special attention is devoted to smartphones and low-cost receivers, data analysis for GNSS, different types of navigation, data demodulation as for the Galileo High Accuracy Service, and combining different sensors with GNSS.



mdpi.com/si/126595

Special Issue



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Message from the Editor-in-Chief

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