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Precise Point Positioning (PPP) Based on Multi-GNSS

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Deadline for manuscript submissions:
closed (1 December 2023)

Message from the Guest Editors

Precise Point Positioning (PPP) has proven to be a substantial positioning method based on Global Navigation Satellite Systems (GNSS) signals. Nowadays, PPP is used for various scientific and commercial applications. The concept of PPP is quite simple: the user's position and viable byproducts (e.g., tropospheric delay) are calculated with the most accurate satellite products (orbits, clocks, and biases) available. Typically, PPP exploits multi-frequency code and phase observations of a single GNSS receiver and precise satellite products (orbits, clocks, and biases, for example), provided by the International GNSS Service (IGS). The positioning process involves accurate observation models and sophisticated algorithms.

This Special Issue aims to attract scientific contributions in the field of multi-GNSS PPP and may include studies on topics such as:

- Reduction of PPP convergence time through multi-GNSS
- PPP with integer ambiguity resolution (PPP-AR)
- Atmosphere monitoring (troposphere and ionosphere)
- Geomonitoring and seismology using PPP
- PPP with low-cost devices (e.g., smartphones)
- Real-time PPP processing and applications

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Special Issue

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Editor-in-Chief

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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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