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High-precision GNSS: Methods, Open Problems and Geoscience Applications

Guest Editors:

Prof. Dr. Xingxing Li
School of Geodesy and Geomatics, Wuhan University, 129 Luoyu Road, Wuhan 430079, China

Prof. Dr. Jacek Paziewski
The Faculty of Geoengineering, Department of Geodesy, University of Warmia and Mazury in Olsztyn (UWM), Oczapowskiego 1, 10-719 Olsztyn, Poland

Prof. Dr. Mattia Crespi
Geodesy and Geomatics Division-DICEA, Sapienza University of Rome, Rome, Italy

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Message from the Guest Editors

In the past two decades, high-precision GPS has been applied to support numerous applications in geosciences. Currently, there are two fully operational Global Navigation Satellite Systems (GNSS), and two more are in the implementation stage. The new Galileo and BDS systems already provide usable signals, and both GPS and GLONASS are currently undergoing significant modernization, which adds more capacity, more signals, better accuracy, and interoperability, etc. Meanwhile, significant technological development is provided by GNSS equipment (in some cases even at low-cost), which is able to collect measurements at much higher rates (up to 100 Hz), thus presenting new possibilities. Algorithmic advancements are needed to address the opportunities and challenges in enhancing the accuracy, availability, interoperability, and integrity of high-precision GNSS applications.

This Special Issue is a platform to discuss new developments in high-precision GNSS algorithms and applications in geosciences; in this respect, contributions from other branches of geosciences (geodynamics, seismology, tsunamis, ionosphere, troposphere, etc.) are very welcome.

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Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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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Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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