



Smartphone-Derived GNSS Measurements Characterization for Precise Positioning and Navigation Applications

Guest Editor:

Dr. Umberto Robustelli

Department of Engineering,
Parthenope University of Naples,
80133 Naples, Italy

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Message from the Guest Editor

As claimed in a European Union Agency for the Space Programme report, smartphones are now dominating the installed base of devices equipped with GNSS chipsets. This has encouraged hardware and software manufacturers to equip the new-generation Android devices with high-performance GNSS chips capable of tracking dual-frequency multiconstellation data. This topic is of such interest to the scientific community that the IAG has established the "Reliability of Low-cost & Android GNSS in navigation and geosciences" working group. The aim of the Special Issue is to foster advances in smartphone-derived GNSS measurements for a wide range of practical applications and research studies, including but not limited to:

- The characterization of smartphone-derived GNSS measurements' quality;
- The multipath mitigation of smartphone-derived GNSS measurements;
- The identification and investigation of the anomalies present in smartphone observables;
- The development of novel processing algorithms addressing smartphone GNSS observables characteristics;
- The development of new applications based on GNSS smartphone signals.





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