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Robust Processing for GNSS

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Message from the Guest Editors

Global navigation satellite system (GNSS) technology is experiencing rapid and sometimes unexpected developments. The wide availability of inertial sensor measurements, received signal strength indicator (RSSI) readings from Bluetooth and WiFi beacons, round trip time (RTT) observations specified by the WiFi IEEE 802.11-2016 standard, and several types of signals of opportunity (SoP) are promoting the development of robust sensor fusion algorithms that can improve GNSS performance, provide a seamless navigation experience, and cope with impairments such as radio frequency (RF) interference, weak GNSS signal conditions, and difficult reception environments.

This Special Issue will investigate different approaches that can improve GNSS performance through advanced algorithms for signal processing and navigation, and through hybridization with measurements from other sensors. There will be a specific focus on robustness, intended as the ability of a system to operate under non-nominal conditions such as jamming and RF interference.



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Special Issue



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Message from the Editor-in-Chief

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