

Special Issue

Advances in Signal Processing for GNSS and Complementary PNT Technologies—2nd Edition

Message from the Guest Editors

Many infrastructures, applications, and services that shape our lifestyle depend on the Global Navigation Satellite System (GNSS) and positioning, navigation, and timing (PNT) technologies.

This Special Issue aims to present advances in GNSS signal processing, including algorithms for fast acquisition and robust tracking in harsh terrestrial and space environments; algorithms for interference monitoring, detection, classification, and localization; new algorithms for GNSS/INS/visual sensors data fusion in contexts such as autonomous driving and guidance navigation and control systems; and the hybridization of GNSS-based systems with terrestrial Signals of Opportunity. Additionally, we are interested in orbital-filter-powered Bayesian state estimation algorithms and high-sensitivity signal acquisition and tracking loops. We welcome the submission of both preliminary and structured results of theoretical or experimental analyses, studies on using authenticated civilian signals to prevent spoofing, and pioneering studies of LEO signals proposed to augment positioning and navigation.

We look forward to your contributions to this exciting and rapidly evolving field.

Guest Editors

Dr. Beatrice Motella

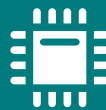
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Deadline for manuscript submissions

closed (28 February 2025)



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