

Special Issue

Cooperative Detection and Localization of Interference Sources in GNSS

Message from the Guest Editors

This Special Issue proposes to gather the most recent advances and results of systems and techniques to locate sources of GNSS interference, using GNSS receivers but possibly also other sensors in a collaborative way, exploiting connectivity, data crowd-sourcing, and network processing in distributed or centralized architectures. Detection and localization architectures may use traditional or innovative location means, including, for example, drones. The concept of interference broadly encompasses all the types of GNSS jamming and spoofing. Of major interest is the discussion of solid results of on-field experiments or hardware-in-the-loop emulations in realistic conditions, including theoretical analyses and derivations. Perspective papers are invited to cover but not be limited to the following topics:

- Collaborative interference detection and classification
- Collaborative interference geolocation
- Network-based resilience to GNSS interference
- Centralized or distributed architectures to geolocate interference source
- Techniques based on time-difference-of-arrival (TDOA), power-difference-of-arrival (PDOA), or angle of arrival (AOA) to find interference sources

Guest Editors

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Deadline for manuscript submissions

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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