Special Issue

Sensor Fusion in Positioning and Navigation

Message from the Guest Editors

In today's information age, navigation data have become increasingly diverse. Effectively integrating navigation and positioning information to enhance accuracy is crucial in fields such as autonomous driving, the Internet of Things, and smart cities. This Special Issue aims to delve into the practical applications of multi-sensor fusion in navigation and positioning. We will explore the fundamental principles, emerging methods, and technological advancements in sensor fusion, along with its uses in the Internet of Things. These topics are extremely popular in integrated communication and navigation, the Internet of Things, smart cities, and related fields. As such, this Special Issue, Sensor Fusion in Positioning and Navigation, aims to report the latest advances in all topics related to sensor fusion-related navigation and positioning. We would like to invite all researchers in this field to contribute to this Special Issue. For detailed information, please visit here.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2025)



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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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