

Special Issue

Development and Challenges of Indoor Positioning and Localization

Message from the Guest Editors

This Special Issue will explore the latest advancements in indoor positioning technologies, including signal-based methods (Wi-Fi, Bluetooth, UWB, RFID, acoustic, optical, etc.), vision-based approaches, sensor fusion, and machine learning techniques. Additionally, we seek to address key challenges such as accuracy, scalability, energy efficiency, pervasive and non-invasive methods and privacy concerns. Contributions may include theoretical developments, experimental results, novel algorithms, and real-world applications. We invite researchers and industry experts to submit original research papers, reviews, and case studies that advance the field of indoor positioning and localization.

- indoor positioning systems (IPSs)
- localization algorithms
- sensor fusion
- Wi-Fi, Bluetooth, UWB, and RFID-based positioning
- vision-based localization, infrared, magnetic, and ultrasound
- machine learning for indoor localization
- accuracy and error mitigation
- real-world applications

Guest Editors

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Message from the Editor-in-Chief

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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