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Positioning and Sensing Technologies for Ubiquitous Mobile Intelligence

Guest Editors:

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Dr. Gordon Boateng

Deadline for manuscript submissions:
25 June 2025

Message from the Guest Editors

Target positioning and sensing technologies are crucial in fields such as aerospace, autonomous driving, robotics, and environmental perception, where accurate, real-time detection and positioning of objects are vital.

Recent advancements in positioning and sensing technologies—from high-precision devices (e.g., LiDAR, 5G/6G communication systems, intelligent reflecting surfaces) to the rich data they generate (e.g., high-resolution images, point clouds, wireless channel data)—along with enhanced computational capabilities (e.g., IoT-enabled edge computing, cloud-based AI), have resulted in the creation of massive and complex datasets.

This Special Issue therefore aims to bring together original research and review articles on novel approaches, innovative solutions, and new challenges in the integration of positioning and sensing technologies with AI for positioning and sensing architectures.

For more detailes, please visit here.

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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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