

Special Issue

Mobile Multi-Sensors in Positioning, Navigation, and Mapping Applications (Volume II)

Message from the Guest Editor

Sensors have always been the core of any system used in positioning, navigation, and mapping. Mobile sensing in particular is the main component for such systems in land, airborne, and marine applications. In recent decades, it has become a standard tool in those mobile systems to integrate different sensors that complement each other, hence adding more capabilities to the used system. The main objective of this Special Issue is to feature the current advances related to mobile multi-sensors in positioning, navigation, and mapping applications. Invited original research contributions can cover a wide range of topics, including but not limited to:

- Sensor calibration and evaluation
- Signal processing techniques
- Sensor data fusion
- Land, airborne, and marine applications
- Sensor stochastic error models
- Robotics
- Autonomous driving
- Optimal estimation techniques
- Autonomous underwater vehicles (AUV)
- Micro-electromechanical systems (MEMS)
- Indoor positioning and navigation
- Unmanned aerial vehicle (UAV) applications
- Multi-sensor systems in challenging environments
- Remote sensing applications
- Pipeline surveying and monitoring
- Vision-aided navigation.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)



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About the Journal

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.

Editor-in-Chief

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