



sensors



an Open Access Journal by MDPI

Mobile Multi-Sensors in Positioning, Navigation, and Mapping Applications

Guest Editors:

Dr. Sameh Nassar

Mobile Multi-Sensor Systems
Research Group, University of
Calgary, Calgary, AB T2N 1N4,
Canada

Prof. Dr. Aboelmagd Noureldin

Department of Electrical and
Computer Engineering, Royal
Military College of Canada
(RMCC) with Cross-Appointment
at both the School of Computing
and the Department of Electrical
and Computer Engineering,
Queen's University, ON K7L 3N6,
Canada

Deadline for manuscript
submissions:

closed (15 May 2021)

Message from the Guest Editors

The main objective of this Special Issue is to feature the current advances related to mobile multisensors 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



mdpi.com/si/51778

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)