Special Issue

Advanced Approaches for Indoor Localization and Navigation

Message from the Guest Editor

Indoor localization has attracted enormous attention from both academia and industry, given the multitude of location-based services (LBS). Novel evolutions have been gaining increased attention, e.g., localization based on visible light signals, the availability of AoA and ToF data to enable hybrid RF approaches, 3D UAV indoor localization techniques, machine learning approaches, etc. It is expected that these ongoing research efforts will further support a widespread adoption of LBS, thanks to a higher accuracy and precision and a lower deployment cost.

This Special Issue aims to report high-quality research in recent advances in the indoor localization and navigation domain. Topics of interest include but are not limited to those covered by the keyword list below. Keywords

- RF-based localization
- Hybrid localization techniques (RSS, AoA, ToF, etc.)
- IMU-supported localization
- RFID localization
- Device-free indoor localization
- Magnetic indoor localization
- Machine learning techniques for indoor localization
- Visible light positioning (VLP)
- Novel indoor UAV and AGV navigation techniques

Guest Editor

Dr. David Plets

Department of Information Technology, Ghent University, Ghent, Belgium

Deadline for manuscript submissions

closed (30 April 2022)



Sensors

an Open Access Journal by MDPI

Impact Factor 3.4 CiteScore 8.2 Indexed in PubMed



mdpi.com/si/31466

Sensors Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sensors@mdpi.com

mdpi.com/journal/

sensors





Sensors

an Open Access Journal by MDPI

Impact Factor 3.4 CiteScore 8.2 Indexed in PubMed



sensors



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

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

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)