



sensors



an Open Access Journal by MDPI

Smart Wireless Indoor Localization

Guest Editors:

Prof. Dr. Xiansheng Guo

Department of Electronic Engineering, University of Electronic Science and Technology of China, Chengdu 611731, China

Prof. Dr. Nirwan Ansari

New Jersey Inst Technol, Dept Elect & Comp Engr, Adv Networking Lab, Newark, NJ 07102, USA

Prof. Dr. Gang Wang

Faculty of Electrical Engineering and Computer Science, Ningbo University, Ningbo, China

Deadline for manuscript submissions:

closed (10 May 2023)

Message from the Guest Editors

With the adaptation of artificial intelligence (in the context of machine learning, transfer learning, reinforcement learning, deep learning, etc.), the focus has been on making wireless indoor localization smarter and more effective.

We invite authors from both industry and academia to submit original research and review articles that cover the design, implementation, and optimization, with a specific focus on waveforms, protocols, and positioning algorithms in the following topics (not an exhaustive list):

- Waveform and protocol design for indoor localization;
- MIMO, massive MIMO, and intelligent reflecting surface (IRS) for indoor localization;
- Indoor localization for IoT environment;
- Crowdsourcing and sensing approaches for indoor localization;
- Artificial-intelligence-enhanced indoor localization;
- Multi-sensor fusion for indoor localization;
- Transfer learning solutions in indoor localization;
- Multi-agent systems for indoor localization;
- Novel location-based services and applications;
- Multi-object localization in indoors;
- Indoor rigid body localization;
- Evolutionary computing.



mdpi.com/si/110645

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 (Instruments and Instrumentation) / 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](#)