Special Issue

Smart Wireless Indoor Localization

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.

Guest Editors

Prof. Dr. Xiansheng Guo

Prof. Dr. Nirwan Ansari

Prof. Dr. Gang Wang

Deadline for manuscript submissions

closed (10 May 2023)

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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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