

## Special Issue

# IEEE 802.11 and Wireless Sensors Network

### Message from the Guest Editor

The convenience of avoiding cable-based deployments and enabling user mobility using a license-free frequency band rapidly made IEEE 802.11 a widespread technology. This special issue is aimed at collecting high-quality research papers and review articles focusing on the latest trends in the use of IEEE 802.11 in wireless sensor network and IoT scenarios. We seek original papers showing recent advances in low-power, long-range Wi-Fi applications, papers identifying and tackling the new challenges of IEEE 802.11-based wireless sensor networks, the proposal of new mechanisms to improve Wi-Fi-enabled IoT, etc. Use of IEEE 802.11 standards in applications for smart city, smart grid, or intelligent transportation systems Performance evaluation of IEEE 802.11 features in WSN and IoT scenarios IEEE 802.11-based Wake-Up Radio applications Latest advances in IEEE 802.11ah networks Latest advances for IoT and WSN in future IEEE 802.11be IEEE 802.11-based wireless mesh networking for low power and sensor applications Wi-Fi sensing techniques and applications Cross-Technology communications for heterogeneous IoT Location-aware WSN and IoT applications based on IEEE 802.11

### Guest Editor

Dr. Eduard Garcia-Villegas

Department of Network Engineering, Universitat Politècnica de Catalunya (UPC), 08034 Barcelona, Spain

### Deadline for manuscript submissions

closed (30 September 2021)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.4  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/si/71166](https://mdpi.com/si/71166)

*Sensors*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/journal/  
sensors](https://mdpi.com/journal/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)