

Special Issue

Wireless Propagation in Integrated Sensing and Communication Systems

Message from the Guest Editor

This Special Issue encourages authors from academia and industry to submit manuscripts on novel methods, models, technologies, experimental field trials, and lessons learned for wireless propagation in sensing scenarios. This Special Issue includes but is not limited to the following topics:

- mm-Wave, sub-THz, and THz radio propagation models, tools, and experimental field tests for advanced wireless communication and sensing networks;
- Array sensor techniques and architectures for integrated sensing and communication applications;
- Novel sensor technologies for energy-aware wireless devices for integrated sensing and communication applications;
- Real-time applications of wireless communication methods and sensor processing in smart spaces, smart living, and industrial scenarios;
- Beyond 5G (B5G) methods and technologies for integrated radio communication and sensing networks;
- Multi-spectral and multi-domain models, processing techniques, and technologies for integrated sensing and communication applications;
- Machine and deep learning tools and technologies for wireless communication and sensing applications.

Guest Editor

Dr. Vittorio Rampa

Institute of Electronics, Computer and Telecommunication Engineering (IEIT) Consiglio Nazionale delle Ricerche (CNR), Building 21, Piazza Leonardo da Vinci 32, I-20133 Milano, Italy

Deadline for manuscript submissions

30 November 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/228286

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

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





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
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
Department of Electrical and Information Engineering, Politecnico di
Bari, Via Orabona 4, 70126 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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)