

Special Issue

RF and IoT Sensors: Design, Optimization and Applications

Message from the Guest Editor

Non-contact and contagious electromagnetic sensors (RF, IoT, RFID, Sensor Tag, UHF, near-field, electric, magnetic, acoustic, etc.) are used for detecting signals emitted by insulation defects, either internally or externally. RF/IoT sensors have been extensively utilized in diverse applications, such as chemical sensors for homeland security, industry, academia, and recently implantable biosensors and RF physical sensors. RF antennas find ubiquitous applications in items such as mobiles, laptops, radiofrequency identification (RFID), Global Positioning System (GPS) applications, etc. The aim of this Special Issue is to report on recent advances relating to RF/IoT components (antennas and sensors) and to contrive antennas and sensing schemes for advanced applications and optimization techniques.

Guest Editor

Prof. Dr. Youchung Chung

Information and Communication Engineering Department, Daegu University, Kyungsan 38453, Republic of Korea

Deadline for manuscript submissions

closed (31 August 2025)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/110900

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 8.2
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)