

Special Issue

Intelligent Circuits and Sensing Technologies: Second Edition

Message from the Guest Editors

This Special Issue aims to highlight advances in the development, modeling, simulation, and implementations of integrated circuits for sensing technologies from the component level to complete sensing systems. Authors are encouraged to submit manuscripts for publication on (but not limited to) the following areas:

- Low-power/low-cost circuit design for sensors;
- Power management circuits for sensors;
- Next-generation CMOS circuit design for sensor systems;
- Intelligent front-end sensing circuits;
- Circuit optimization methods for sensing technologies;
- VLSI design of sensors for signal processing applications;
- Interface circuits for data fusion from multiple sensors;
- Sensor design for low-power edge computing and IoT applications;
- Wearable sensor design;
- Algorithms and signal processing methods to improve CMOS sensor design;
- Sensor modeling and simulation.

Guest Editors

Dr. George Floros

Dr. Kostas Kolomvatsos

Prof. Dr. George Stamoulis

Dr. Savvas Petanidis

Deadline for manuscript submissions

20 February 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/206576

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

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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)