

## Special Issue

# Integrated Devices, Circuits, and Systems for Sensor Applications

### Message from the Guest Editors

The main focus of this Special Issue is on complementary metal-oxide-semiconductor (CMOS) compatible sensors that provide low energy consumption, low manufacturing cost, miniaturization, high sensitivity and reliability, and enhanced performance. We welcome submissions that explore innovations across all levels of integration—devices, circuits, and full sensor systems. The following areas are of the highest interest:

- Sensing devices (chemiresistors, piezoresistors, memristors, thermistors, magneto resistors, photodiodes, CCDs, etc.);
- Driving, sensing, and control circuitry;
- Signal conditioning circuits;
- Analog and digital signal processing circuits;
- AD, DA, and data converters;
- Interfacing circuits;
- Millimeter wave radar circuits;
- Monolithic sensor systems;
- Hybrid sensor systems.

We encourage submissions that demonstrate system-level integration (System-on-Chip, System-in-Package, Radar-on-chip, etc.) and propose innovative sensor architectures. All application areas and domains are welcome.

---

### Guest Editors

Dr. Zoran Stamenkovic

1. Institute of Computer Science, University of Potsdam, 14467 Potsdam, Germany
2. IHP—Leibniz-Institut für innovative Mikroelektronik, 15236 Frankfurt (Oder), Germany

Dr. Vladimir M. Milovanović

Faculty of Engineering, University of Kragujevac, 34000 Kragujevac, Serbia

---

### Deadline for manuscript submissions

31 January 2026



## Sensors

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.5**  
**CiteScore 8.2**  
**Indexed in PubMed**



[mdpi.com/si/247889](https://mdpi.com/si/247889)

*Sensors*  
Editorial Office  
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 3.5  
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)