

## 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.

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### Guest Editors

Dr. George Floros

Dr. Kostas Kolomvatsos

Prof. Dr. George Stamoulis

Dr. Savvas Petanidis

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### Deadline for manuscript submissions

closed (20 February 2026)



## Sensors

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

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## 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.

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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