

## Special Issue

# Advanced Sensing and Control Technologies in Power Electronics

### Message from the Guest Editors

For many years, the development of electronics has been continuously accelerating, and its adoption and all-around use have taken on entirely new dimensions. Undoubtedly, with the further use of electronics in improving safety, independence, health protection, quality of life, industry, and science, in every aspect of human life; issues related to power electronics are of key importance. Power electronics have a direct impact on the energy supplied to power all other devices, as well as its quality, reliability and availability of energy. Scientific research on obtaining energy from renewable sources is significantly accelerating, the results of which are becoming increasingly important, both for countries but also for individual people. In this Special Issue, we would like to cover topics that are important for power electronics based systems, energy conversion, energy harvesting and recovery, improving energy utilization and other energy-related aspects. For more information, please click: [mdpi.com/si/134055](https://mdpi.com/si/134055)

### Guest Editors

Dr. Krzysztof Bernacki

Department of Electronics, Electrical Engineering and Microelectronics,  
Silesian University of Technology, Akademicka 16, 44-100 Gliwice,  
Poland

Dr. Mateja Novak

Department of AAU Energy, Aalborg University, Pontoppidanstræde 111,  
9220 Aalborg, Denmark

### Deadline for manuscript submissions

closed (31 December 2024)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/134055](https://mdpi.com/si/134055)

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

[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)