

## Special Issue

# Advanced Sensors for Intelligent Control Systems

### Message from the Guest Editors

Sensors are essential components for acquiring information for intelligent systems to improve control performance by estimating physical properties. The sensor design and development for control systems involve modeling, simulation of physical fields, and hardware implementation. This Special Issue covers the topics of various sensors utilized for control systems or mechatronics systems. The scope of the Special Issue includes but is not limited to:

- Torque sensing in robotics systems
- Force sensing in manufacturing applications
- Eddy current sensor for nondestructive detection
- Electrical impedance sensing for abnormal objection detection
- Magnetic localization in medical applications or indoor positions
- Navigation of autonomous vehicles
- Visual feedback systems
- Sensor design and modeling
- Integration of sensors in control systems
- Intelligent sensing systems

---

### Guest Editors

Prof. Dr. Han-Pang Huang

Mechanical Engineering Department, National Taiwan University, Taipei 10617, Taiwan

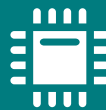
Prof. Dr. Chun-Yeon Lin

Department of Mechanical Engineering, National Taiwan University, Taipei 10617, Taiwan

---

### Deadline for manuscript submissions

closed (1 May 2023)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/si/102448](https://mdpi.com/si/102448)

*Sensors*

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 3.4  
CiteScore 7.3  
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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)