

## Special Issue

# Advanced Sensor Fusion in Industry 4.0

### Message from the Guest Editor

The technological transformations fostered by Industry 4.0 (and the forthcoming Industry 5.0) paradigms deeply rely on a data-centric vision, where smart and advanced sensing technologies, together with innovative measurement paradigms, need to seamlessly cooperate to ensure reliability, accuracy, and timeliness. A significant option nowadays is represented by the deployment of integrated and multiple sensors, whose outputs can be intelligently combined to provide meaningful, highly accurate, and more representative information about a physical process. This sensor fusion approach is becoming increasingly appealing in several fields and for many Industry 4.0 applications, such as additive manufacturing scenarios. Moreover, the current technological advancement facilitates real-time data analysis and manipulation, potentially paving the way for the definition of novel approaches to sensor fusion based on Machine Learning and Artificial Intelligence approaches. For more details, please visit [here](#).

### Guest Editor

Prof. Dr. Luigi Rovati

Department of Engineering "Enzo Ferrari", University of Modena and Reggio Emilia, Via P. Vivarelli 10, 41125 Modena, Italy

### Deadline for manuscript submissions

25 April 2026



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/142380](https://mdpi.com/si/142380)

*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)