



*sensors*



an Open Access Journal by MDPI

## Cyber-Physical Systems - from Perception to Action

Guest Editors:

**Prof. Ioan Dumitrache**

Department of Automation and Industrial Informatics, Romanian Academy and University Politehnica of Bucharest, Bucharest, Romania

**Prof. Simona Iuliana Caramihai**

Department of Automation and Industrial Informatics, University Politehnica of Bucharest, Bucharest, Romania

**Dr. Ioan Stefan Sacala**

Department of Automatic Control and Systems Engineering, Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Bucharest, Romania

### Message from the Guest Editors

The capacity to make intelligent decisions is critically dependent on the ability to recognize and interpret relevant information. Large networks of sensors are able to provide important quantities of reliable data, but it is important to find a way to qualitatively interpret them in order to allow the most efficient approach for problem solving. Although cyber-physical systems have been widely used in order to define and model large scale systems, there is an increasing interest in integrating cognitive technologies. Perception is a key element for problem solving approaches in various cyber-physical systems, representing the ability to capture, process, and actively make sense of the environmental information in order to interpret environment with the stimuli received throughout sensorial devices.

Deadline for manuscript submissions:

**closed (30 June 2023)**



[mdpi.com/si/72041](https://mdpi.com/si/72041)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## 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

## 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.

## 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)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)