



*sensors*



an Open Access Journal by MDPI

## Cyber-Physical Systems for Automated Decision Making and Trusted Autonomy

Guest Editors:

**Prof. Dr. Roberto Sabatini**

Department of Aerospace Engineering, Khalifa University of Science and Technology, Abu Dhabi 127788, United Arab Emirates

**Dr. Alessandro Gardi**

Senior Research Fellow, Aerospace Engineering and Aviation, Program Lead: Human-Machine Systems and Trusted Autonomy, Cyber-Physical and Autonomous Systems Group, School of Engineering, RMIT University, PO Box 71, Bundoora, VIC 3083, Australia

Deadline for manuscript submissions:

**closed (20 December 2022)**

### Message from the Guest Editors

This Special Issues focusses on innovative sensors, sensor networks, and software architectures supporting the design and operation of CPS, with a focus on autonomous CPS (ACPS) and cyber-physical-human systems (CPHS) for automated decision making and trusted autonomous operations. Original manuscripts are elicited from researchers active in the following areas:

- Aeronautical and space cyber-physical systems;
- Intelligent transport and future mobility systems;
- Autonomous and robotic guidance, navigation, and control;
- Human-machine systems and trusted autonomy;
- Systems for digital and personalised healthcare;
- Technologies for smart and precision agriculture;
- Wireless sensors, actuators and IoT;
- Enabling technologies for the smart energy grid;
- Geospatial data acquisition, distribution and analysis;
- Transport safety and accident investigation;
- Defence, security, and humanitarian mission systems;
- Cyber-physical system safety and security;
- Cognitive and cybernetic systems.



[mdpi.com/si/45355](https://mdpi.com/si/45355)

# 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 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
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](#)