

## Special Issue

# Trustworthy AI for Cybersecurity and IoT Applications

### Message from the Guest Editors

The use of artificial intelligence (AI) has significantly accelerated in the last decade due to different concurrent technological advances. These include, but are not limited to, the development of increasingly powerful computational architectures and algorithms, the novel hardware architectures at the edge and the availability of large volumes of data. However, contemporary AI still faces fundamental challenges, and calls are being made to develop a dedicated science to study machine behavior. This call for papers focuses attention to the mentioned topics, with specific focus on IoT and cybersecurity. Since the forthcoming management and control of IoT and cybersecurity applications need increasing levels of autonomy, trustworthy AI constitutes the right answer to the involved requirements in terms of reliability, explicability, efficiency, and robustness.

- explicability of AI in IoT or cybersecurity scenarios
- bias; out-of-distribution detection and data augmentation of IoT and cybersecurity datasets
- redundancy schemes for safety analysis and AI reliability of IoT and cybersecurity with AI in the loop

---

### Guest Editors

Dr. Maurizio Mongelli

Dr. Fabio Patrone

Dr. Behrooz Sangchoolie

Dr. Enrico Ferrari

---

### Deadline for manuscript submissions

closed (10 December 2023)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/147535](https://mdpi.com/si/147535)

*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)