

## Special Issue

# AI-Based Security and Privacy for IoT Applications

### Message from the Guest Editors

The Special Issue solicits high-quality contributions that focus on the design and development of new technologies, algorithms, and tools to advance explanation and reasoning for AI-powered IoT. **The topics of interest include, but are not limited to:**

- Explainable AI solutions for data collection, management, and analysis in IoT
- Graph Neural Network/Attention-based solutions for data mining in IoT
- Explainable AI solutions for decision making in IoT smart applications
- Explainable incentive mechanism design in collaborative frameworks for sensing/learning/computing in AI-powered IoT
- Graph embedding-based solutions to graph data mining for IoT big data
- Access control and authentication
- Security and privacy of mobile applications
- Data encryption and signature
- Explainable AI strategies to defend security threats in IoT
- Explainable privacy protection methods for IoT data with AI support
- Network resource management schemes for IoT with AI support
- AI solutions for communications in IoT
- AI solutions for fog/edge/cloud services in IoT
- AI solutions for blockchain deployment in IoT
- Knowledge-based AI solutions for data processing in IoT

### Guest Editors

Prof. Dr. Yanjiao Chen

College of Electrical Engineering, Zhejiang University, Hangzhou 310027, China

Dr. Zhenchang Xia

School of Computer and Artificial Intelligence, Wuhan University of Technology, Wuhan 430070, China

### Deadline for manuscript submissions

closed (20 November 2024)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/164427](https://mdpi.com/si/164427)

*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)