

## Special Issue

# Security and Privacy- Preserving Techniques for IoT and Communication Networks

### Message from the Guest Editors

The rapid proliferation of Internet of Things (IoT) devices has ushered in an era of unprecedented connectivity and convenience, but it has also raised significant concerns regarding security and privacy. This Special Issue aims to explore innovative approaches and solutions for enhancing security and preserving privacy in IoT and communication networks. It seeks to bring together researchers and practitioners to address the challenges posed by the increasing complexity and scale of interconnected devices, while also considering the diverse application domains of IoT technologies.

Topics for the Special Issue:

- Secure communication protocols;
- Privacy-preserving data management;
- Intrusion Detection and Prevention Systems (IDPS) in IoT;
- Blockchain for IoT security;
- Edge computing security;
- Vulnerability exploitation in the IoT;
- Lightweight cryptography in the IoT;
- Trust management in IoT;
- Physical-layer security for IoT

For more information, please visit: [mdpi.com/si/1DY62](https://mdpi.com/si/1DY62)

---

### Guest Editors

Dr. Aftab Ali

Prof. Dr. Christopher Nugent

Prof. Dr. Farrukh Aslam Khan

---

### Deadline for manuscript submissions

closed (31 January 2025)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/203383](https://mdpi.com/si/203383)

*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  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)