

## Special Issue

# Security Challenges in Wireless Sensor Networks and the Internet of Things (IoT)

### Message from the Guest Editors

The scope and contribution topics of primary interest include, but are not limited to, the following:

- Novel authentication device mechanisms for WSNs/IoT infrastructures;
- Data encryption and privacy for resource-constrained IoT devices;
- AI-based attacks and machine learning mitigation techniques;
- Cross-layer attacks and mitigation techniques;
- Security issues in IoT communication protocols (ZigBee, BLE, NFC, MQTT, XMPP);
- AI/ML prediction, detection, and prevention of security breaches;
- Security issues in V2X, IoT, Industrial IoT, and next-generation digital systems;
- Blockchain security solutions;
- Intrusion detection and incident response in IoT and next-generation digital systems

---

### Guest Editors

Dr. Apostolos Xenakis

Dr. Costas Chaikalas

Dr. Alexios Lekidis

Dr. Dimitrios Kosmanos

---

### Deadline for manuscript submissions

15 December 2025



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/227239](https://mdpi.com/si/227239)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)



## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

---

### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /  
SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 16.8 days after  
submission; acceptance to publication is undertaken in 2.4  
days (median values for papers published in this journal in  
the first half of 2025).