

## 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

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### Guest Editors

Dr. Apostolos Xenakis

Dr. Costas Chaikalis

Dr. Alexios Lekidis

Dr. Dimitrios Kosmanos

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### Deadline for manuscript submissions

15 December 2025



## Electronics

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## 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 guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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