

Special Issue

Security and Privacy in IoT Devices and Computing

Message from the Guest Editors

The primary focus of this Special Issue is the real-world implications of cyber-attacks on IoT systems and the development of robust solutions to mitigate these risks. Topics include, but are not limited to:

- Device fingerprinting and machine learning-based device identification
- Federated learning for enhanced privacy and security
- Blockchain applications for securing IoT systems
- Intrusion detection mechanisms and malware analysis techniques
- Firmware security and third-party firmware evaluation
- Security considerations for narrowband IoT networks
- Methods for detecting zero-day vulnerabilities
- Security measures for communication protocols like BLE, ZigBee, and Z-Wave
- Privacy-enhancing techniques for MQTT and CoAP
- Quantum and post-quantum security solutions
- Security frameworks for IoT-based healthcare and agricultural systems
- Software-defined IoT network security
- Trust management and experimental testbeds for IoT environments
- Government and industry roles in ensuring IoT security
- Case studies highlighting successful and secure IoT deployments

Guest Editors

Dr. Saikat Das

Dr. Sajal Saha

Dr. Qudrat E Alahy Ratul

Deadline for manuscript submissions

closed (15 July 2025)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/208048

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 guest-edited 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).