

Special Issue

Cybersecurity and Privacy in Internet-of-Things: Advances, Challenges, and Emerging Trends

Message from the Guest Editors

This Special Issue on "Cybersecurity and Privacy in Internet-of-Things: Advances, Challenges, and Emerging Trends" aims to explore state-of-the-art security mechanisms, risk mitigation techniques, and emerging trends in safeguarding IoT devices and networks. We welcome original research and review articles that contribute to advancing security models, cryptographic techniques, privacy-preserving frameworks, and trust mechanisms tailored for IoT environments. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- IoT Security Architectures and Threat Models;
- Lightweight Cryptography and Secure Communication for IoT;
- Privacy-Preserving Mechanisms in IoT Applications;
- AI-Driven Cybersecurity for IoT Devices;
- Blockchain-Based Security Solutions for IoT;
- Intrusion Detection and Prevention in IoT Networks;
- Secure Firmware Updates and IoT Device Management;
- Edge Computing and IoT Security Challenges;
- Cybersecurity for Industrial IoT (IIoT) and Smart Cities;
- Trust Management and Access Control in IoT Systems;
- Machine Learning for IoT Security.

Guest Editors

Dr. Bin Hu

Prof. Dr. Jiacun Wang

Dr. Xiwang Guo

Deadline for manuscript submissions

20 November 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/234316

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), CAPus /
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).