



Advancing Security and Privacy in the Internet of Things

Guest Editors:

Dr. Ning Yang

School of Computing, Southern Illinois University, Carbondale, IL 62901, USA

Dr. Abdur R. Shahid

School of Computing, Southern Illinois University, Carbondale, IL 62901, USA

Deadline for manuscript submissions:

15 November 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to address these paramount concerns by assembling a collection of high-quality research and review articles. These contributions will delve into multifaceted challenges and explore innovative solutions critical for enhancing security and privacy in the realm of IoT devices and computing. In doing so, this issue seeks to contribute to the advancement of knowledge and foster the development of more resilient IoT systems.

The particular topics of interest include, but are not limited to, the following:

- Machine Learning and AI for IoT Security;
- Secure Communication Protocols for IoT Networks;
- IoT Device Authentication Mechanisms;
- Privacy-Preserving Data Collection and Processing for IoT Networks;
- Edge Computing Security;
- Blockchain and Distributed Ledger Technologies (DLT) for IoT Security;
- IoT Device Lifecycle Security;
- Physical Security of IoT Devices;
- Data Security for IoT;
- Threat Modeling and Risk Assessment for IoT environments;
- Crypto Elements for IoT Security;
- Encryption Algorithms for IoT.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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.

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), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://x.com/electronicsMDPI)