



Advances in IoT Security

Guest Editors:

Dr. Abebe Diro

College of Business and Law,
RMIT University, Melbourne, VIC
3001, Australia

Dr. Mohiuddin Ahmed

Computing and Security, School
of Science, Edith Cowan
University, Joondalup, WA 6027,
Australia

Deadline for manuscript
submissions:

closed (31 December 2024)

Message from the Guest Editors

The objective of this special issue is to explore the latest advancements, challenges, and opportunities in IoT security and present innovative solutions to address the evolving cybersecurity landscape.

Potential topics of interest for this special issue include, but are not limited to:

- Threat modeling and risk assessment for IoT systems
- Cryptographic techniques and protocols for securing IoT communications
- Privacy protection and data integrity in IoT environments
- Intrusion detection and prevention mechanisms for IoT networks
- Trust and identity management in IoT ecosystems
- Security architectures and frameworks for IoT deployments
- Secure firmware and software update mechanisms for IoT devices
- Machine learning and artificial intelligence for IoT security analytics
- Blockchain-based approaches for securing IoT systems
- Secure authentication and access control in IoT environments
- Physical layer security techniques for IoT networks
- Standards and regulations for ensuring IoT security and privacy





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 guestedited 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 \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), [Ei Compendex](#) and [other databases](#).

Journal Rank: JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic 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://twitter.com/electronicsMDPI)