

Special Issue

Advanced IoT Security Solutions for Healthcare and Critical Infrastructures

Message from the Guest Editors

The proposed topic aims to attract high-quality research papers that address various aspects, including the following:

- **IoT Device Security:** Methods for securing individual IoT devices against cyber threats.
- **Network Security:** Strategies for protecting IoT networks, including intrusion detection and prevention systems.
- **Data Privacy and Protection:** Techniques for ensuring data privacy and protection in IoT ecosystems.
- **AI and Machine Learning for IoT Security:** Leveraging AI and ML to enhance IoT security measures.
- **Security in IoMT (Internet of Medical Things):** Addressing specific security concerns in the healthcare sector, particularly for medical devices.
- **Case Studies and Real-World Applications:** Practical implementations and case studies demonstrating advanced IoT security solutions in healthcare and other critical sectors.

This focus will not only highlight cutting-edge research, but will also encourage interdisciplinary collaboration among experts in cybersecurity, healthcare, and critical infrastructure protection.

Guest Editors

Dr. Sajjad Dadkhah

Dr. Xichen Zhang

Dr. Mahdi Daghmehchi Firoozjaei

Dr. Euclides Neto

Deadline for manuscript submissions

15 September 2025



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/210036

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 guestedited 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).