

## 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

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Dr. Xichen Zhang

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Dr. Euclides Neto

### Deadline for manuscript submissions

15 September 2025



## Electronics

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## 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.

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### Editor-in-Chief

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