

Special Issue

Security and Privacy in IoT Devices and Computing

Message from the Guest Editors

The primary focus of this Special Issue is the real-world implications of cyber-attacks on IoT systems and the development of robust solutions to mitigate these risks. Topics include, but are not limited to:

- Device fingerprinting and machine learning-based device identification
- Federated learning for enhanced privacy and security
- Blockchain applications for securing IoT systems
- Intrusion detection mechanisms and malware analysis techniques
- Firmware security and third-party firmware evaluation
- Security considerations for narrowband IoT networks
- Methods for detecting zero-day vulnerabilities
- Security measures for communication protocols like BLE, ZigBee, and Z-Wave
- Privacy-enhancing techniques for MQTT and CoAP
- Quantum and post-quantum security solutions
- Security frameworks for IoT-based healthcare and agricultural systems
- Software-defined IoT network security
- Trust management and experimental testbeds for IoT environments
- Government and industry roles in ensuring IoT security
- Case studies highlighting successful and secure IoT deployments

Guest Editors

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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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