

## Special Issue

# Cybersecurity and Privacy in Internet-of-Things: Advances, Challenges, and Emerging Trends

### Message from the Guest Editors

This Special Issue on "Cybersecurity and Privacy in Internet-of-Things: Advances, Challenges, and Emerging Trends" aims to explore state-of-the-art security mechanisms, risk mitigation techniques, and emerging trends in safeguarding IoT devices and networks. We welcome original research and review articles that contribute to advancing security models, cryptographic techniques, privacy-preserving frameworks, and trust mechanisms tailored for IoT environments. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- IoT Security Architectures and Threat Models;
- Lightweight Cryptography and Secure Communication for IoT;
- Privacy-Preserving Mechanisms in IoT Applications;
- AI-Driven Cybersecurity for IoT Devices;
- Blockchain-Based Security Solutions for IoT;
- Intrusion Detection and Prevention in IoT Networks;
- Secure Firmware Updates and IoT Device Management;
- Edge Computing and IoT Security Challenges;
- Cybersecurity for Industrial IoT (IIoT) and Smart Cities;
- Trust Management and Access Control in IoT Systems;
- Machine Learning for IoT Security.

### Guest Editors

Dr. Bin Hu

Prof. Dr. Jiacun Wang

Dr. Xiwang Guo

### Deadline for manuscript submissions

20 November 2025



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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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