

Special Issue

Security and Privacy of Wireless Network

Message from the Guest Editor

Wireless networks have become the backbone of modern communication, enabling transformative technologies such as IoT, 5G/6G, smart cities, and autonomous systems. However, their open nature and dynamic architecture expose critical vulnerabilities, including eavesdropping, data breaches, and identity spoofing. This Special Issue seeks to address these challenges by advancing cutting-edge research on safeguarding wireless communications against evolving threats while balancing usability and regulatory compliance. Themes include but are not limited to:

- Authentication and access control in dynamic networks;
- Lightweight encryption for resource-constrained IoT devices;
- Privacy-preserving data aggregation and anonymization techniques;
- AI/ML-driven threat detection and mitigation;
- Security of UAVs, vehicular networks, and edge computing;
- Post-quantum cryptography for future wireless standards;
- Blockchain-based trust management and decentralized security;
- Ethical and legal aspects of privacy in wireless systems;
- Vulnerability analysis in 5G/6G, Wi-Fi, and sensor networks.

Guest Editor

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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 guestedited by leading experts in selected topics of interest.

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