

Special Issue

Security and Privacy for Modern Wireless Communication Systems, 2nd Edition

Message from the Guest Editors

Security and privacy have consistently been crucial concerns within wireless communication systems. To address these concerns effectively, innovative approaches to cryptography, physical layer transmission strategies, network protocols, and related regulations are in high demand. Over the past decade, wireless communication networks have witnessed significant advancements and transformations across various dimensions. This Special Issue focuses on the latest research in protocols, software/hardware development and implementation, and system architecture design that addresses the emerging security and privacy issues in modern wireless communication networks. Topics including but not limited to the following:

- Deep-learning-based security and privacy design;
- Covert communications;
- Security in UAV-assisted networks;
- Information-theoretical foundations for advanced security and privacy techniques;
- Lightweight cryptography for power-constrained networks;
- Physical layer design with security consideration;
- Security and privacy design for vehicle networks;
- Blockchain-based solutions for modern wireless communication networks.

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closed (15 March 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 guestedited by leading experts in selected topics of interest.

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