

Special Issue

Novel Methods Applied to Security and Privacy Problems in Future Networking Technologies

Message from the Guest Editors

Future networking technologies refer to emerging and developing technologies that are anticipated to shape the ways in which we connect, communicate, and share data in the future. These generate a number of security and privacy challenges. Some of the critical challenges to overcome include an increased attack surface, new attack vectors, evolving threats, data privacy and user trust. To cope with the aforementioned challenges, we invite the contribution of original research papers, survey papers, and position papers to this Special Issue. Potential topics include, but are not limited to, the following:

- end-to-end communication security, privacy, and trust
- security and privacy protection in 5G and beyond
- trust, security, and privacy in cloud/edge computing
- lightweight identify and access management mechanisms
- quantum cryptography
- intrusion detection and prevention systems for network security
- privacy preservation in ai-enabled networks
- zero trust techniques, architectures, and models
- security and privacy challenges in internet of things (IoT) networks
- secure and privacy-preserving techniques for blockchain in 5G/6G
- sensing security and privacy for IEEE 802.11

Guest Editors

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Deadline for manuscript submissions

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 guest-edited by leading experts in selected topics of interest.

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