

Special Issue

Advancements in Network and Data Security

Message from the Guest Editor

With the widespread mobile internet, billions of people's daily lives rely heavily on communication networks, AI technologies and remote data processing of huge data centres. While an increasing number of powerful applications make working and accessing entertainment significantly easier and more enjoyable, security problems underlying their key supporting technologies have grown more severe than ever before, threatening people's assets and lives. Therefore, in this Special Issue, we invite researchers to contribute original papers on current topics of interest in research on network and data security, including but not limited to the following:

- 5G and IoT security;
- Vehicular network security;
- Satellite network security;
- Distributed GPU/NPU network security;
- RDMA (Remote Direct Memory Access) security;
- AI-driven intrusion detection;
- Zero-trust architectures;
- Advanced encryption technologies;
- Data breach prevention and responses;
- Secure multi-party computation;
- Privacy protection and data anonymization.

Guest Editor

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Deadline for manuscript submissions

closed (15 December 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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).