

Special Issue

New Technologies in Applied Cryptography and Network Security

Message from the Guest Editor

This Special Issue, “*New Technologies in Applied Cryptography and Network Security*”, aims to explore recent advances and emerging trends at the intersection of cryptography and network security. We seek manuscripts presenting original research, comprehensive surveys, and innovative applications that demonstrate how cutting-edge cryptographic techniques are addressing evolving security challenges in modern and next-generation networked systems. Key areas of interest include, but are not limited to, the following:

- Post-quantum cryptography and its integration into real-world protocols;
- Lightweight and resource-efficient cryptographic schemes for IoT, edge, and embedded systems;
- Blockchain and distributed ledger technologies for secure communication and authentication;
- Secure multiparty computation, homomorphic encryption, and privacy-preserving machine learning;
- Threat modeling and mitigation in 5G/6G networks and cyber-physical systems;
- AI-driven cryptographic protocol design and security analytics.

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

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