Special Issue

Future Innovations in Cryptography for Authentication and Data Security

Message from the Guest Editor

This Special Issue welcomes original research articles and reviews. This Special Issue explores the future innovation of cryptographic technology in the field of identity authentication and data security. With the development of emerging technologies such as quantum computing, edge computing, the Internet of Things, and artificial intelligence, traditional cryptographic schemes are facing unprecedented challenges but also opportunities for transformation. This Special Issue aims to highlight the latest research results and explore cutting-edge topics, including quantum-resistant cryptography, lightweight encryption, privacy-preserving protocols, and new identity authentication mechanisms, providing innovative paths for data protection and identity authentication in the digital world.

- quantum-resistant cryptography
- lightweight encryption
- zero-knowledge proof
- homomorphic encryption
- blockchain-based authentication
- privacy-preserving computing
- multi-factor authentication
- secure key management
- cryptographic protocols and their analysis
- cryptographic analysis based on artificial intelligence

Guest Editor

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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.

Editor-in-Chief

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