



New Advances in Coding Theory and Cryptography

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Message from the Guest Editors

Dear Colleagues,

With the rapid development of information technology and advanced communications, new threats and malicious attackers have rapidly emerged, bringing serious challenges in the cybersecurity domain. Consequently, coding theory and cryptography have become common and indispensable to tackle security problems in both the academic and industrial communities.

This Special Issue welcomes contributions from theory to practice and aims to publish high-quality and original research papers on various technologies for secure computing and communication. Topics include but are not limited to the following:

- homomorphic encryption and attribute-based encryption
- zero knowledge proofs and secure multiparty computation
- authentication and key exchange
- lattice theory and its applications
- blockchain-based secure communication systems
- cloud security and privacy
- trustworthy digital twins in industrial IoT systems
- federated learning in edge computing
- vulnerabilities, attacks, and defenses
- privacy-preserving machine learning





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Message from the Editor-in-Chief

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