



Applied Cryptography and Blockchain Security

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Message from the Guest Editor

Dear Colleagues,

Applied Cryptography is about cryptographic algorithms, protocols, and systems that are used in real-world applications to ensure the confidentiality, integrity, and authenticity of data. Blockchain Security involves the design, analysis, and implementation of security measures that can protect the data and transactions stored on the blockchain from attacks by malicious actors.

With the increasing trend in Blockchain applications, it is crucial to develop cryptographic techniques which can be applied in blockchain applications to improve the security and privacy of blockchain systems.

This Special Issue will focus on recent studies of cryptographic solutions in enhancing the security of blockchain applications. Topics include but are not limited to

- Cryptographic primitives and protocols for blockchain applications;
- Privacy and anonymity in blockchain systems;
- Consensus algorithms and their security analysis;
- Smart contract security;
- Attacks and vulnerabilities in blockchain systems;
- Blockchain-based solutions for secure and private data sharing.





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Message from the Editor-in-Chief

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