# Special Issue

# Key Technologies for Security and Privacy in Web 3.0

## Message from the Guest Editors

The open and autonomous nature of Web 3.0 brings about new innovation opportunities; however, it also poses new challenges to the security and privacy of the research community. The key research focus for security and privacy in the context of Web 3.0 is how to protect data security and user privacy in a distributed and decentralized network environment. This includes specific areas such as blockchain technology, decentralized identity authentication, advanced encryption techniques, and secure smart contract development. This Special Issue topics of interest include, but are not limited to, the following:

- blockchain security
- decentralized identity
- secure smart contracts
- decentralized trust management
- privacy preservation in Web 3.0
- DeFi (decentralized finance)
- NFT (non-fungible token)
- cryptography for Web 3.0
- incentive mechanism for Web 3.0
- machine learning in Web 3.0
- secure transaction verification in Web 3.0

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## Deadline for manuscript submissions

closed (31 January 2025)

# Blockchains

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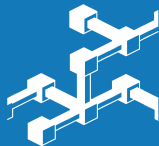# Blockchains

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