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Blockchain Technologies and Decentralized Applications in Smart Environments

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Deadline for manuscript submissions:

closed (30 April 2022)

Message from the Guest Editors

This Special Issue aims to provide insights, use cases, and novel paradigms where blockchain technologies are utilized towards proposing decentralized applications (DApps) to provide novel solutions for contemporary problems. Some specific topics include but are not limited to:

- Blockchain-related algorithms and methods
- Time scalability and speed of transaction validation in blockchain
- Consensus mechanisms with optimal energy consumption
- Storage scalability with emphasis on access speed and privacy protection
- Standardization for achieving interoperability among various blockchains
- Frameworks, methodologies and tools to minimize errors in DApps
- Blockchain security and privacy
- Access control in DApps with privacy preservation
- Digital Identity approaches
- Smart contract paradigms
- Blockchain integration in smart environments
- Blockchain-based provision of security and accounting services
- Blockchain-based optimization of supply chain operations
- Optimize information storage in blockchain
- DApps utilizin ultiple chains
- Novel DApps in sine feet California



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Message from the Editor-in-Chief

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