Special Issue

Blockchain Technologies and Decentralized Applications in Smart Environments

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 utilizing multiple chains
- Novel DApps in smart environments

Guest Editors

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Deadline for manuscript submissions

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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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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