

Special Issue

Recent Advances in Blockchain Technology and Its Applications

Message from the Guest Editors

The blockchain is the underlying technology of decentralized cryptocurrencies. Many applications adopt blockchain technology in networks of distributed computing entities to ensure that the data are consistent based on maintaining privacy and security. Moreover, the integration of the blockchain with the Internet of Things (IoT), edge computing and artificial intelligence enhances services, allowing them to be autonomous, smart and secure in heterogeneous industries. However, there are many challenges that come with the characteristics of the blockchain in integrated applications. Contributions from all fields related to the blockchain are invited to be submitted to this Special Issue, with particular focus on the following:

- Theory, applications, case studies and project reports related to blockchain protocols, frameworks and platforms;
- IoT edge computing applications based on blockchain solutions in smart spaces such as homes, buildings, hospitals, factories, campuses, cities and others;
- The implementation of smart services using machine learning, deep learning, federated learning, gossip learning and swarm learning in distributed systems based on blockchain solutions.

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2024)



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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.

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