Special Issue

Blockchain-Enabled Privacy-Preserving for Internet of Things

Message from the Guest Editors

The IoT and sensor networks are two sides of the same coin. IoT relies on sensor devices to realize the interconnection and sharing of data based on the Internet. The development of IoT enhances the interaction between sensors but also breeds problems in data security. Therefore, due to the security and privacy threats in IoT, it is mandatory to develop efficient, low-cost, and high-security privacy-preserving schemes. Blockchain is distributed, confident, open, and transparent, and has immutability, collective maintenance, and privacy protection. Therefore, blockchain-enabled IoT schemes can reduce costs, protect data, detect malicious nodes, facilitate information flow, and make data traceable. They are good candidates for privacy preservation in IoT. This Special Issue of Sensors aims to collect state-of-the-art research papers on topics including but not limited to:

- IoT
- blockchain
- privacy-preservation
- transducers
- decentralization
- consensus mechanism
- zero knowledge proof
- smart contract
- access control
- digital signature
- data auditing
- data management in IoT

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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