

Special Issue

Blockchain-Based Solutions to Secure IoT

Message from the Guest Editors

The rapid expansion of the Internet of Things (IoT) in various domains has paved the way for innovative applications and transformative technologies. However, the massive connectivity and data exchange inherent in IoT environments have also raised substantial security and privacy concerns. In response, blockchain technology has emerged as a promising solution due to its decentralized, tamper-proof, and transparent nature. This Special Issue of *Sensors* will explore blockchain-based solutions designed specifically to secure IoT ecosystems. We invite contributions that address the integration of blockchain with IoT devices, frameworks for enhancing data integrity, and innovative consensus mechanisms tailored to resource-constrained environments. Papers that propose comprehensive strategies combining cryptographic techniques and smart contracts to mitigate common IoT vulnerabilities are especially welcome. By merging the strengths of blockchain technology with the dynamic needs of IoT security, we envision a future where secure and efficient data management frameworks underpin a vast array of connected devices.

Guest Editors

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Message from the Editor-in-Chief

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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