Special Issue

Blockchain Technologies and Security in IoT Networks

Message from the Guest Editor

The emergence of Internet-of-Things (IoT) systems creates many novel business opportunities, and it is expected that by 2025, circa 55 billion IoT devices will be in operation. The consequence of these IoT systems is the explosion in big-data generation that is challenging to secure. Simultaneously, blockchain technology has found many use-cases beyond the first application of Bitcoin. The vision arises that novel blockchain technology is a means of securing future distributed IoT systems. Thus, in this Special Issue, the aim is to first report research results that intersect the three aspects of IoT, security, and blockchain technology. Thus, paper submissions should explore the relationship between these elements of investigation and how blockchains are useful for resolving security problems in the IoT. Additionally, this Special Issue is interested in outlining open research issues for blockchains in the context of securing the IoT. This Special Issue is also interested in case study submissions reporting examples for existing application cases.

- blockchain
- IoT
- scalability
- security
- identity authentication

Guest Editor

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Sensors

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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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