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Building Trustworthy and Dependable Infrastructure in the Internet of Things

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Deadline for manuscript submissions:

closed (30 June 2021)

Message from the Guest Editors

The advancement of smart devices, such as smart sensors, smart healthcare systems, and wearable devices has great impacts on human life and industry. Millions of smart devices are connected and communicated to deliver a lot of data related to humans, devices, and communications, but they are at risk of various attacks. The security of the Internet of Things (IoT) is the most significant urgent task to build a trustworthy and dependable infrastructure for IoT. This Special Issue aims to present various security solutions using innovative emerging technologies including blockchain, artificial intelligence, machine learning, and software-defined networking. This Special Issue is addressed to all types of security issues in IoT, such as device security, privacy, side-channel attacks, communication vulnerability, identity management, access control, and data security. Topics of interest include but are not limited to:

- AI and ML/DL techniques for securing IoT;
- Cyber threats and incident analysis in IoT;
- Blockchain for IoT security;
- Intrusion and anomaly detection techniques for IoT;
- Secure protocol designs and new theory for IoT;
- Device security and malware for IoT.



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Special Issue



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Message from the Editor-in-Chief

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