

Special Issue

Security, Privacy and Cybersecurity in Internet of Things (IoT)

Message from the Guest Editor

The proliferation of Internet of Things (IoT) devices has transformed everyday life, offering unprecedented levels of convenience, efficiency, and automation. However, this rapid expansion also introduces significant challenges in terms of security, privacy, and cybersecurity. IoT devices, ranging from smart home appliances to industrial sensors, often lack robust security measures, making them vulnerable to attacks. These vulnerabilities can lead to unauthorized access, data breaches, and even large-scale network disruptions. Privacy concerns also emerge as these devices collect, transmit, and store vast amounts of personal data, raising questions about data usage, consent, and ownership. Furthermore, the interconnected nature of IoT devices means that a breach in one device can potentially compromise the security of the entire network. Addressing these challenges requires a multidisciplinary approach, not only encompassing technological solutions, but also regulatory frameworks and user education. Ensuring the secure and privacy-preserving deployment of IoT technologies is crucial for harnessing their full potential while safeguarding against cyber threats.

Guest Editor

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