

Special Issue

Internet of Things Cybersecurity

Message from the Guest Editors

Numerous Internet of Things (IoT) devices, such as computers, mobile phones, and various other smart devices, are hijacked and integrated into massive malicious networks, known as botnets. IoT botnets are considered one of the main types of network attacks, posing significant risks to user privacy, device security, and wider network infrastructure like industrial networks. Malicious users are increasingly leveraging AI to develop advanced techniques and methods to exploit vulnerabilities in IoT networks, aiming to transform them into a Botnet of Things (BoT) network. This Special Issue aims to explore novel trends, techniques, and methodologies that enhance the security and resilience of IoT devices and networks. We welcome high-quality original research, technical papers, and review articles that address the challenges of real-time protection against botnets and other types of attacks that target IoT environments. Contributions that bridge the gap between IoT and BoT, such as intelligent and scalable security frameworks, lightweight detection mechanisms, and privacy-preserving protocols, are particularly encouraged.

- Internet of Things
- security
- Botnet of Things network
- network attacks

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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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