Special Issue

Advanced Sensing Technologies for Detecting Cybersecurity Attacks in Internet of Things Systems

Message from the Guest Editors

The rapid proliferation of the Internet of Things (IoT) has revolutionized various domains, however, the exponential growth of interconnected devices has also significantly increased the attack surface, making IoT systems prime targets for cyber threats. This Special Issue aims to explore innovative sensing methodologies, machine learning techniques, and advanced security frameworks designed to enhance IoT security. We invite high-quality contributions that focus on the design, development, and deployment of advanced sensing technologies for real-time detection, analysis, and mitigation of cybersecurity threats.

Topics of interest include, but are not limited to:

- Intelligent sensing systems for intrusion detection in IoT networks
- Anomaly detection using advanced sensing techniques
- Blockchain-based security mechanisms for IoT threat detection
- Edge and fog computing approaches for real-time threat monitoring
- Privacy-preserving sensing techniques for IoT environments
- Case studies and real-world implementations of IoT threat detection systems

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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