Special Issue

Advanced Sensing and Intelligent Technologies for Cybersecurity in the Internet of Things Systems

Message from the Guest Editor

The IoT has facilitated innovative applications and increased efficiency, but it has also introduced new vulnerabilities and potential points of attack. Advancements in sensing technologies, edge and fog computing, decentralized architectures, and large language models (LLMs) have enabled new opportunities for IoT security. This Special Issue aims to encourage research on state-of-the-art sensing and intelligent technologies that enhance the detection, prevention, and mitigation of cybersecurity threats in IoT networks and focus on innovative strategies for identifying and addressing threats in IoT environments. Topics of interest include, but are not limited to the following areas: .

- Advanced sensing techniques for secure IoT;
- Advanced sensing technologies for intrusion and anomaly detection;
- Real-time monitoring and threat detection frameworks;
- Security architectures based on edge and fog computing;
- Privacy-preserving methods for sensor data in IoT networks;
- Adversarial machine learning in sensor-driven IoT security systems.

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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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