

Special Issue

Cybersecurity for Internet of Things Devices in Sensors

Message from the Guest Editor

The rapid proliferation of Internet of Things (IoT) devices across critical sectors such as healthcare, smart cities, industrial systems, and transportation has introduced unprecedented cybersecurity challenges. Resource-constrained devices, heterogeneous architectures, large-scale connectivity, and real-time operational requirements significantly expand the attack surface and complicate traditional security mechanisms.

This Special Issue focuses on advanced cybersecurity solutions for IoT systems, encompassing secure architectures, lightweight cryptography, intrusion detection, anomaly detection, trust management, privacy-preserving mechanisms, secure firmware, and resilient communication protocols. We welcome contributions leveraging artificial intelligence, machine learning, and game-theoretic approaches for intelligent, adaptive, and explainable IoT defense.

This Special Issue aims to bring together researchers and practitioners to present cutting-edge methodologies, experimental evaluations, and real-world deployment insights that enhance the security, resilience, and trustworthiness of next-generation IoT ecosystems.

Guest Editor

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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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