

Special Issue

Cybersecurity Attack and Defense in Wireless Sensors Networks

Message from the Guest Editors

In recent years, wireless sensor networks have gained tremendous popularity across various domains, enabling seamless data collection and analysis. However, with their widespread deployment, they have become a target for potential cybersecurity threats. As these networks play a vital role in critical applications it is imperative to explore and address the challenges posed by cyberattacks. This Special Issue aims to collect cutting-edge research, innovative solutions, and practical insights from experts in the field of cybersecurity and wireless sensor networks, but are not limited to, the following topics:

- Threat modeling and risk assessment in wireless sensor networks;
- Novel cyber-attack detection and prevention techniques;
- Secure communication protocols for wireless sensor networks;
- Intrusion detection and response mechanisms in sensor networks;
- Machine learning and AI approaches for cybersecurity in sensor networks;
- Privacy and data protection in sensor network applications;
- Secure key management and authentication schemes;
- Resilience and fault tolerance in wireless sensor networks;
- Case studies and real-world implementations of secure sensor networks

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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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