



Cybersecurity Attack and Defense in Wireless Sensors Networks

Guest Editors:

Prof. Dr. Tony Jan

School of Design, Torrens
University, Sydney, NSW 2007,
Australia

Dr. Ammar Alazab

School of IT, Melbourne Institute
of Technology, Melbourne, VIC
3000, Australia

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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:

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





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Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

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