

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

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

Deadline for manuscript submissions

closed (10 July 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/183069

Sensors

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)