

Special Issue

Cyber Resilience of IoT Systems: Leveraging Cryptography, Protocols, and AI

Message from the Guest Editors

This Special Issue therefore seeks papers that address IoT security from a more holistic perspective, covering IoT devices and data analysis with AI/LLM models, improving the resilience of IoT systems even with attacked components, and designing mechanisms to facilitate recovery. Potential topics include but are not limited to:

- Attack tolerant distributed and cryptographic protocols;
- Recovering mechanisms for IoT systems from attacks;
- Resilience of AI models in IoT systems;
- AI/LLM supported mechanism for IoT system robustness;
- Trusted execution environment supported protocols for IoT resilience;
- Data fusion mechanism to improve the trust of sensor values;
- Trusted IoT implementation from LLM-based code generation;
- Real world applications of resilient IoT systems.

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Deadline for manuscript submissions

31 January 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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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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