



sensors



an Open Access Journal by MDPI

The Forefront of Internet of Things Cybersecurity with Artificial Intelligence

Guest Editor:

Dr. Shingo Yamaguchi

Graduate School of Sciences and
Technology for Innovation,
Yamaguchi University,
Yamaguchi, Japan

Deadline for manuscript
submissions:

25 May 2025

Message from the Guest Editor

Dear Colleagues,

The rapid expansion of the Internet of things (IoT) has significantly increased the complexity and vulnerability of cybersecurity landscapes. In this Special Issue, we aim to explore the critical role of artificial intelligence (AI) in enhancing the security of IoT ecosystems. We invite research that delves into innovative AI-driven approaches to safeguarding connected devices and networks.

We encourage submissions that address the intersection of IoT cybersecurity and AI, focusing on, but not limited to, the following areas:

- IoT device security.
- IoT data privacy.
- AI-driven anomaly detection in IoT systems.
- AI techniques for IoT security enhancement.
- AI-powered risk assessment for IoT environments.
- AI-enabled threat intelligence in the IoT.

We look forward to contributions that provide new insights and advancements in applying AI technologies to the field of IoT security.

Dr. Shingo Yamaguchi



mdpi.com/si/214132

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)