



sensors



an Open Access Journal by MDPI

Security, Privacy and Cybersecurity in Internet of Things (IoT)

Guest Editor:

Dr. Charith Perera

School of Computer Science and
Informatics, Cardiff University,
Cardiff CF10 3AT, UK

Deadline for manuscript
submissions:

closed (31 October 2024)

Message from the Guest Editor

The proliferation of Internet of Things (IoT) devices has transformed everyday life, offering unprecedented levels of convenience, efficiency, and automation. However, this rapid expansion also introduces significant challenges in terms of security, privacy, and cybersecurity. IoT devices, ranging from smart home appliances to industrial sensors, often lack robust security measures, making them vulnerable to attacks. These vulnerabilities can lead to unauthorized access, data breaches, and even large-scale network disruptions. Privacy concerns also emerge as these devices collect, transmit, and store vast amounts of personal data, raising questions about data usage, consent, and ownership.

Furthermore, the interconnected nature of IoT devices means that a breach in one device can potentially compromise the security of the entire network. Addressing these challenges requires a multidisciplinary approach, not only encompassing technological solutions, but also regulatory frameworks and user education. Ensuring the secure and privacy-preserving deployment of IoT technologies is crucial for harnessing their full potential while safeguarding against cyber threats.



mdpi.com/si/198441

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 (Instruments and Instrumentation) / 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](#)