

Special Issue

Intrusion Detection Systems for IoT

Message from the Guest Editors

IoT is prevalent in our daily lives. There are currently two connected IoT devices per capita worldwide, and by 2025, this number will be doubled. However, the limited computation and storage power of IoT devices and their specific communication protocols largely render conventional security solutions inappropriate. Intrusion Detection Systems (IDSs) can play a crucial role in safeguarding IoT systems against cyberattacks by creating a second wall of defense, complementing conventional preventive security measures. In this context, this Special Issue seeks the submission of original and unpublished contributions on IDS for IoT. The topics of interest include, but are not limited to:

- Intrusion detection and prevention systems for IoT;
- Machine learning for intrusion detection in IoT;
- Deep learning for intrusion detection in IoT;
- Datasets for IoT intrusion detection systems;
- IDS architectures for IoT;
- Network-based IDS for IoT;
- Host-based IDS for IoT;
- Federated learning for IoT intrusion detection;
- Collaborative IDS for IoT;
- Cloud-based IDS for IoT;
- Hybrid IDS architecture for IoT;
- IDS for smart health monitoring;
- IDS for intelligent transportation systems.

Guest Editors

Dr. Firooz Saghezchi

Dr. Georgios Mantas

Prof. Dr. Jonathan Rodriguez

Dr. Behrouz Zolfaghari

Dr. Pedro Pinto

Deadline for manuscript submissions

closed (24 May 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/145928

Sensors
Editorial Office
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 3.5
CiteScore 9.4
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
Department of Electrical and Information Engineering, Politecnico di
Bari, Via Orabona 4, 70126 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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)