Special Issue

Privacy and Cybersecurity in IoT-Based Applications

Message from the Guest Editor

User privacy and data protection are important challenges that need to be addressed in Internet of Things (IoT)-based sensor applications. The IoT spawns new businesses and makes buildings, cities, and transport smarter. It allows for ubiquitous data collection or tracking, but these useful features are also examples of privacy threats that are already limiting the success of the IoT vision when not implemented correctly. Privacy should be protected in the device, storage, communication, and processing. The use of the IoT in monitoring patient healthcare using sensors and devices comes with tremendous security concerns. Recent sophisticated attacks like data integrity, data breaching, and data collusion are major safety and confidentiality concerns related to IoT-based applications such as healthcare monitoring systems. In this Special Issue, we invite contributions to the latest advances in IoT technology, the developments of related algorithms, schemes, and architectures, and the various privacy and cybersecurity application issues.

Guest Editor

Prof. Dr. Cajetan M. Akujuobi Center of Excellence for Communication Systems Technology Research, Prairie View A&M University, Prairie View, TX 77446, USA

Deadline for manuscript submissions

20 January 2026



Sensors

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



mdpi.com/si/222697

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

mdpi.com/journal/

sensors





Sensors

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)