Special Issue

Cybersecurity in IoT and Smart Infrastructure: Perspectives on Emerging Technologies Including AI, Blockchain, and Quantum Computing

Message from the Guest Editors

This Special Issue delves into the multifaceted relationship between cybersecurity and emerging technologies in IoT and smart infrastructure. Al enhances threat detection and response through intelligent algorithms that identify anomalies in vast IoT networks. Blockchain offers decentralized and tamperresistant frameworks that ensure data integrity and secure device interactions. Meanwhile, with its unparalleled computational power, quantum computing disrupts traditional cryptographic methods, necessitating quantum-safe solutions to future-proof cybersecurity. We welcome contributions exploring both the defensive and adversarial implications of these technologies. Topics may include Al-driven cybersecurity solutions for IoT, blockchain-based frameworks for securing smart infrastructure, quantumsafe cryptographic techniques, and the intersection of these technologies in enhancing or undermining security.

Guest Editors

Dr. Khondokar Fida Hasan

Dr. Basker Palaniswamy

Dr. Mohammad Ali Moni

Deadline for manuscript submissions

30 October 2025



Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/231141

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



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)

