

Special Issue

Advanced Security and Privacy Focused Blockchain-Based Sensor Networks, Architectures and Next Generation Communications

Message from the Guest Editors

This Special Issue will introduce the present state of the art and use cases of Blockchain-based sensor networks, systems, architectures and next-generation communications considering security and privacy aspects. Very specific use cases and practical implementations will form a special section. The security, efficiency and scalability of these architectures will be discussed. Articles regarding all types of emerging Blockchain-based architectures, sensor networks and next-generation communication systems will be included in this Special Issue. Topics include, but are not limited to:

- Blockchain-based wireless sensor networks (WSNs) (BWSN);
- Blockchain-based sensor data communication;
- Blockchain-enabled IoT (BloT) with security and privacy aspects;
- Sensor tracking and traceability using blockchain-based supply chain management (SCM);
- Blockchain-enabled sensor technology in wireless networks;
- Blockchain and mobile wireless sensor networks;
- Consensus mechanism for wireless sensor networks (WSNs);
- Blockchain, IoT, and WSNs;
- ...

Guest Editors

Prof. Dr. Aniruddha Bhattacharjya

1. Department of Electronic Engineering, Tsinghua University, Beijing 100084, China
2. Founder Chairman and Executive Director, BCB RBAB
Intercontinental Trading Solutions Private Limited, Kolkata 700084, India

Prof. Dr. Shaohua Wan

Shenzhen Institute for Advanced Study, University of Electronic Science and Technology of China, Shenzhen 518110, China

Deadline for manuscript submissions



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/138775

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 8.2
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

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)