



Communication, Security, and Privacy in IoT

Guest Editors:

Dr. Kien Nguyen

Institute for Advanced Academic Research, Chiba University, 1-33, Yayoi-cho, Inage-ku, Chiba 263-8522, Japan

Dr. Xiaoyan Wang

Department of Electrical and Electronic Systems Engineering, College of Engineering, Ibaraki University, Hitachi city, Japan

Deadline for manuscript submissions:

closed (25 June 2024)

Message from the Guest Editors

Dear Colleagues,

The advancements in edge/fog computing and AI/machine learning technologies will promisingly handle and understand the massive data generated by IoT devices, opening up new IoT application opportunities. Additionally, the emerging blockchain/distributed ledger technologies may enhance IoT security and privacy and drive the peer-to-peer exchange market between IoT devices (e.g., using cryptocurrency). In this context, there is a demand for novel communication, security, and privacy paradigms aiming to reach the full potential of IoT. This Special Issue seeks original articles on recent advances, solutions, and new challenges in those IoT-related issues.

Potential topics include, but are not limited to:

- New networking and computing architectures for IoT;
- Evaluation and model wireless communication, transport protocols in IoT;
- New security- and privacy-preserving mechanisms in IoT;
- Blockchain/distributed ledger technologies in IoT;
- Novel payment/micropayment methods in IoT;
- Scalability, adaptability solutions for IoT;
- New IoT applications toward Sustainable Development Goals.





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 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](#)