

Special Issue

Security, Privacy and Trust in 6G Communication Networks

Message from the Guest Editors

Fifth-generation (5G) networks will reach their limits around 2030 given the current trend of annual growth in mobile traffic. Therefore, industrial standards, developing organisations, and academia are gearing up their research efforts for the anticipated six-generation (6G) networks, which will be required to meet the demands of mobile communications in 2030 and beyond. The sixth generation is envisaged to provide near 100% global coverage, lower latency, and higher connection density in comparison to 5G. Naturally, 6G will encompass multidimensional, multitiered, and heterogenous networks with complex requirements for service provisioning, control, and security. It will not be bound by terrestrial communication networks and will integrate aerial and satellite communications to achieve a space-air-ground communication network (SAGIN). To operate effectively across multiple network domains and segments, security, privacy, and trust must be embedded in the 6G network architecture to ensure its resilience. Blockchain is an emerging technology that can provide high security, privacy, and transparency to network use cases.

Guest Editors

Dr. Max Hashem Eiza

Faculty of Engineering and Technology, School of Computer Science and Mathematics, Liverpool John Moores University, Liverpool L3 3AF, UK

Dr. Vinh Thong Ta

Department of Computer Science, Edge Hill University, Ormskirk, Lancashire L39 4QP, UK

Deadline for manuscript submissions

closed (30 September 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/140667

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
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)