



Security and Privacy in 5G-Enabled IoT Applications

Guest Editors:

Prof. Dr. Jorge Granjal

Centre for Informatics and Systems, Department of Informatics Engineering, University of Coimbra Polo 2, 3030-290 Coimbra, Portugal

Dr. Vasco Pereira

Centre for Informatics and Systems, Department of Informatics Engineering, University of Coimbra, Polo 2, 3030-290 Coimbra, Portugal

Deadline for manuscript submissions:

closed (25 April 2023)

Message from the Guest Editors

Dear Colleagues,

The fifth generation of mobile and wireless communications (5G) is designed to support higher speed, reduced latency, and massive connectivity. These characteristics make 5G a key enabler to finally realize the full potential of IoT, making it an integral part of our economy and lifestyle. In this context, new applications will be created to support the novel business requirements of different verticals, from healthcare to industry. These new applications will also demand massive data exchange between different and heterogeneous devices that are connected by an also heterogeneous network. Security will be of cornerstone importance for the enabling of such applications, and appropriate solutions will be required to deal with requirements such as identification and authentication, trust management, end-to-end encryption, and key management.

This special issue is an ideal platform to report the more recent research advances in security and privacy to support 5G-enabled IoT applications. We invite researchers to contribute with original research and review articles.





sensors



an Open Access Journal by MDPI

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

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 (*Chemistry, Analytical*) / 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](#)