

Special Issue

Validation Methods in IoT Systems: Security, Performance and Safety

Message from the Guest Editors

The Internet of Things (IoT) represents, in many ways, a paradigm shift in computer and telecommunication science. Among these properties, security, performance and safety are crucial to the widespread adoption of IoT systems. This Special Issue welcomes theoretical and experimental papers, as well as industrial and experience reports, where techniques for the assessment of security, performance and safety have been successfully used in real applications. Specifically, this Special Issue includes, but is not limited to, the following topics:

- Analytical models, simulations and measurements for the assessment of quantitative properties of IoT systems.
- Dynamic analysis and testing of security, safety or performance of deployed IoT systems.
- Static analysis of security, safety or performance of IoT software.
- Software engineering techniques to enhance security, safety or performance of IoT systems.
- Runtime monitoring of IoT systems to detect anomalous, erroneous, and unpredicted behaviors.
- Case studies of IoT systems focused on the analysis of their security, safety, and/or performance.

Guest Editors

Dr. Andrea Marin

Department of Environmental Sciences, Informatics and Statistics (DAIS), Università Ca' Foscari Venezia, 30172 Venice, Italy

Dr. Pietro Ferrara

Department of Environmental Sciences, Informatics and Statistics (DAIS), Università Ca' Foscari Venezia, 30172 Venezia, Italy

Deadline for manuscript submissions

closed (25 March 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/115186

Sensors

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 3.4
CiteScore 7.3
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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)