Evolution of IoT and IIoT: Opportunities, Challenges, and Applications

Guest Editors:

Dr. Nicoleta Cristina Gaitan
Faculty of Electrical Engineering and Computer Science, Stefan cel Mare University of Suceava, 720229 Suceava, Romania

Dr. Ioan Ungurean
Faculty of Electrical Engineering and Computer Science, Stefan cel Mare University of Suceava, Suceava, Romania

Deadline for manuscript submissions:
closed (1 January 2024)

Message from the Guest Editors

This Special Issue hopes to address all types of high-quality and unpublished papers which aim to solve open technical problems, opportunities, and challenges typical of the applications or systems based on intelligent sensors used for the Internet of Things and Industrial Internet of Things. Topics of interest include, but are not limited to, the following:

- Smart IoT sensors (e.g., wearables, smart devices), new concepts, and paradigms and architectures;
- new trends in real time systems;
- sensor networks and smart computing;
- heterogeneous IIoT networks;
- LPWAN for IIoT (SigFox, LoRa, NB-FI, etc.);
- cellular-IoT technologies (NB-IoT, LTE, and Cat-M1);
- middleware, architectures, and protocols for IIoT;
- 5G for IIoT;
- fog/edge computing for IIoT;
- fieldbuses and IIoT;
- intelligent IIoT management and networking services;
- trustworthiness, security, and privacy for IIoT;
- real time system for IIoT;
- and applications and use-cases (Industry 4.0, smart cities, digital health, smart and digital agriculture, etc.).

Special Issue

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 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us