Wireless Sensor Networks and Communications

Guest Editors:

Dr. Taufiq Asyhari
School of Computing and Digital Technology, Birmingham City University (BCU), Millennium Point, Birmingham B4 7XG, UK

Prof. Dr. Marcos Katz
Center for Wireless Communications, University of Oulu (UniOulu), 90500 Oulu, Finland

Dr. Bidushi Barua
School of Computing and Digital Technology, Birmingham City University (BCU), Millennium Point, Birmingham B4 7XG, UK

Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editors

The recent progress in information and communication technologies (ICT), including 5G, beyond cellular networks, and Internet of Things (IoT) technologies such as long-range (LoRa), narrowband IoT (NBIoT), etc., has led to a growing interest in utilizing these communication technologies in multi-domain sensing applications, allowing wireless sensors to be connected to each other and to the processing server.

The edge computing with these communication technologies makes it feasible to perform AI processing at the edges. This Special Issue will solicit contributions that cover recent advances in wireless sensor networks and communication powered by cloud and edge technologies. Appropriate topics include, but are not limited to: AI-based applications in wireless sensor and IoT networks, Cloud, edge, and combined cloud-edge computing architectures for wireless sensor and IoT applications, 5G and edge computing applications, NB-IoT networks for smart applications, Security mechanisms in 5G IoT networks, Wireless sensor networks for smart cities, wireless sensor networks for transportation, Wireless sensor networks for intelligent manufacturing, Wireless sensor networks for e-Health.

mdpi.com/si/87507

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