

Special Issue

LoRa-Based Sensor Networks for the New Frontier of the IoT

Message from the Guest Editors

Long-range (LoRa) modulation and LoRa wide-area network (LoRaWAN) protocol are de-facto key enabling technologies for wireless sensor networks (WSN) and the Internet of Things (IoT). Their robustness, reliability, and pervasive coverage capabilities have been extensively proven and studied for years since their launch on the market. At the same time, the feasibility of setting up network infrastructures, which rely on such facilities, has been successfully shown up in a variety of application scenarios, from industries to Smart Cities, from precision agriculture to vehicular networks, and from harsh environments to satellite contexts. It is now time to project LoRa-based sensor networks on the new frontier of the IoT by exploiting their pivotal features for setting up brand new paradigms, and for tackling problems from a different perspective as well. This goal can be achieved by pushing the technologies beyond their limits, thus creating new challenges, so as to foster disruptive alternatives to the standard ideas of connectivity within the big picture of the IoT.

Guest Editors

Dr. Alessandro Pozzebon

Department of Information Engineering, University of Padova, 35131 Padova, Italy

Dr. Giacomo Peruzzi

Department of Information Engineering and Mathematics, University of Siena, Siena, Italy

Deadline for manuscript submissions

closed (28 February 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/105643

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

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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)