



sensors



an Open Access Journal by MDPI

Sensor Networks for the Resilient Industrial Internet of Things

Guest Editors:

Prof. Dr. Paolo Ferrari

UNIBS-DIE, Department of
Information Engineering,
University of Brescia, 25123
Brescia, Italy

Prof. Dr. Ivanovitch Silva

Department of Computer
Engineering and Automation,
Federal University of Rio Grande
do Norte, Natal 59078-970, Brazil

Prof. Dr. Dennis Brandão

Dep. of Electrical and Computing
Engineering, São Carlos,
University of São Paulo

Deadline for manuscript
submissions:

closed (30 July 2023)

Message from the Guest Editors

With the evolution of Industry 4.0 toward the resilient and human centric view of Industry 5.0, the importance of industrial sensor networks increased even more. Significant savings and redundant parallel information paths can be achieved by means of continuously connected devices and machines. However, the Industrial Internet of Things, where sensors and instruments are placed on a wide area or mobile systems, remains hugely challenging.

In such cases, wireless or other innovative technology is often mandatory, because of intrinsic incompatibilities (the mobile device cannot use wires) or high cost of wired infrastructure to cover large (geographical) areas. In recent years, the 5G revolution and the advent of specialized wireless protocols for low-power wide area networks have boosted Internet-connected devices' diffusion also in industry. The combination of new technologies has a very positive impact on sensor networks for “production” and “monitoring of product” in the era of the Industrial Internet of Things.



mdpi.com/si/151650

Special Issue



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](#)