# **Special Issue**

# IoT-Embedded Electrical Drives and Machineries: The New Frontier of Edge Computing and Intelligent Sensors

## Message from the Guest Editors

The main themes promoted by this Special Issue are:

- IoT-oriented electrical drives and equipment
- Signal conditioning and parameter identification for edge computing applications
- Edge and cloud computing solutions for industry 4.0 applications (efficiency monitoring, predictive maintenance, zero-defect manufacturing, etc.)
- Al-based techniques to improve edge computing in electrical drives and equipment
- Smart and virtual sensors for IoT-embedded systems
- Quality and accuracy estimation of edge computing
- Sensor technologies and protocols for IoT systems
- Advanced strategies for big data, sensor data fusion, and data analytics
- Edge, fog, and cloud computing architectures for IoT systems
- Deep integration of data for innovative IoT applications
- Distributed data processing for IoT
- Distributed Al algorithms

#### **Guest Editors**

Prof. Giuseppe Leonardo Cascella Polytechnic University of Bari, Italy

Dr. Elia Brescia

Polytechnic University of Bari, Italy

### Deadline for manuscript submissions

closed (25 October 2025)



## **Sensors**

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



mdpi.com/si/62178

Sensors Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sensors@mdpi.com

mdpi.com/journal/ sensors





## **Sensors**

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



## **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)

