

## 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.)
- AI-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 AI algorithms

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### Guest Editors

Prof. Giuseppe Leonardo Cascella

Polytechnic University of Bari, Italy

Dr. Elia Brescia

Polytechnic University of Bari, Italy

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### Deadline for manuscript submissions

closed (25 October 2025)



## Sensors

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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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## 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.

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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