

Special Issue

Scalable Blockchain and AI-Based Embedded IoT Systems for Smart Spaces (3rd Edition)

Message from the Guest Editor

The Internet of Things (IoT) has been playing a vital role in adding value to human lives. In recent years, IoT applications have been coupled with machine learning techniques to form intelligent IoT-enabled blockchain applications. However, for intelligent IoT nodes, the machine learning technologies should be lightweight in order to meet the constrained capabilities of the embedded hardware. This Special Issue aims to highlight advances in the open research topics in this field, which include, but are not limited to, the following:

- Optimizing existing machine learning architecture for embedded IoT devices;
- Lightweight machine learning architecture and frameworks;
- Distributed predictive optimization;
- Positioning systems and infrastructures;
- Energy-saving and energy harvesting methods and techniques;
- Blockchain for security and privacy;
- Data collection and management methods (big data and data retrieval);
- Lightweight intelligent IoT service orchestration;
- Intelligent IoT for lightweight driver-assistance systems in electric vehicles.

Guest Editor

Dr. Faisal Jamil

School of Computing, Engineering and Intelligent Systems, Ulster University, Derry-Londonderry BT48 7JL, Northern Ireland, UK

Deadline for manuscript submissions

25 August 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/228168

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 9.4
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
Department of Electrical and Information Engineering, Politecnico di
Bari, Via Orabona 4, 70126 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)