

Special Issue

Artificial Intelligence and Edge Computing in IoT-Based Applications

Message from the Guest Editor

The integration of edge computing along with artificial intelligence technology has great potential to gather and process large amounts of IoT data, maximize the potential for rapid, real-time data analysis and intelligent decision-making, and deliver a variety of low-latency, reliable, intelligent, and time-sensitive services. This Special Issue aims to focus on all aspects of research relevant to artificial intelligence and edge computing technologies in IoT applications. This Special Issue invites research and review papers that report on novel contributions with respect to cloud-edge collaboration, federated learning, the utilization of a large language model (LLM), and related innovative applications within the IoT.

Guest Editor

Dr. Fangmin Xu

School of Information and Communication Engineering, Beijing University of Posts and Telecommunication, 100876 Beijing, China

Deadline for manuscript submissions

15 August 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/210817

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
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)