Special Issue

Edge AI for Wearables and IoT

Message from the Guest Editor

Next generation technologies will utilize existing and emerging wearables and the Internet of Things (IoT) to continuously collect heterogeneous signals and data from unsupervised settings and apply real-time signal processing and artificial intelligence (AI) embedded into edge computing devices to seamlessly generate meaningful interpretations and actionable decisions. Rapid progress in embedded technologies with high computing power and ubiquitous connectivity using Bluetooth, Wi-Fi, and 5G along with miniature, low-cost, flexible, and reliable sensors have paved the hardware revolution for these technologies. The purpose of this Special Issue is to address the ongoing research activities in these fields of wearables and IoT with focus on edge AI for a variety of applications including biomedical, mobile health, smart health, smart cities, environmental, remote monitoring, robotics, assistive technologies, and elderly monitoring applications. For more details, please visit here.

Guest Editor

Dr. Bashir Morshed

Department of Computer Science, Texas Tech University, Lubbock, TX 79409, USA

Deadline for manuscript submissions

25 February 2026

Sensors

MDPI

Sensors

an Open Access Journal by MDPI

**Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed**

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
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)