

Special Issue

AI-based Sensing for Health Monitoring and Medical Diagnosis

Message from the Guest Editor

AI-based sensing for health monitoring and medical diagnosis has the potential to reform healthcare provision, improving patients' care while reducing costs. AI-based sensors are being developed to monitor, measure, analyse and interpret vital signs such as heart rate, blood pressure, respiration rate and oxygen levels without direct contact with the patient. Sensing technology enables patients' tracking over time, and AI methods can inform medical decision making by healthcare professionals by recognising early trends or abnormalities that can potentially indicate a health issue before it becomes serious. AI-based sensors also allow for the remote monitoring of patients with chronic conditions such as diabetes or hypertension, and can be used for the early detection of infectious diseases such as influenza or coronavirus. In this context, AI and sophisticated data analysis methods enable identifying patterns from large amounts of data collected by various sources, such as wearables or medical records, and can help both researchers and clinicians discover new insights into disease prevention and treatment, and make preventive care decisions.

Guest Editor

Prof. Dr. George D. Magoulas

Birkbeck Knowledge Lab, School of Computing and Mathematical Sciences, Birkbeck College, University of London, London WC1E 7HX, UK

Deadline for manuscript submissions

closed (30 November 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/172801

Sensors
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 3.4
CiteScore 7.3
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

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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)