



sensors



an Open Access Journal by MDPI

Artificial-Intelligence-Enhanced Wearable Sensing Technologies for Biomechanical and Physiological Monitoring and Analysis

Guest Editors:

Prof. Dr. Del P. Wong

College of Education, Psychology
and Social Work, Flinders
University, Adelaide, Australia

Prof. Dr. Javen Qinfeng Shi

School of Computer and
Mathematical Sciences,
University of Adelaide, Adelaide,
Australia

Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editors

In this Special Issue, we focus on how wearable sensors are being employed to monitor and analyze the biomechanical and/or physiological behavior of elderly and other special populations. Another objective of this Special Issue is to provide a comprehensive overview of the application of artificial intelligence (AI) and machine learning in healthcare by quantifying the state of progress in terms of their utilization in biomechanics and human physiology.

We will accept manuscripts that address any of the following topics: the use of wearable sensors to collect biomechanical and/or physiological data, handle signal and noise, and process and analyze data, and how these processes are enhanced by the utilization of artificial intelligence (AI) and/or machine learning. One example is to develop a machine learning model that recognizes individuals' health status or potential issues using the signals of wearable sensors, and offers personalized lifestyle recommendations (e.g., exercise, diets, supplements) to enhance wellbeing by learning from data.



mdpi.com/si/185240

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)