Special Issue

Sensor Technology for Improving Human Movements and Postures: 3rd Edition

Message from the Guest Editors

Sensor technology can be used to measure movements and postures. Such measurements can potentially improve musculoskeletal health, leading to better quality of life in areas of gerontology, physical rehabilitation, sports, and occupations requiring physical movements or prolonged static postures. For example, sensors can be used to

- Assist or encourage walking and prevent falls of older adults;
- Enable exoskeletal or robotic devices to improve mobility in people with neuro-musculoskeletal disorder;
- Detect sport-specific movements to improve sports performance and reduce injury risk;
- Improve occupational biomechanics and ergonomics.

Examples of sensors include accelerometers, gyroscopes, magnetometers, and force sensors. They can be wearable or laboratory-based.
For more information, please see: mdpi.com/si/B6349

Guest Editors

Dr. Winson Lee

School of Mechanical, Materials, Mechatronic and Biomedical Engineering, University of Wollongong, Wollongong, NSW 2522, Australia

Dr. Emre Sariyildiz

School of Mechanical, Materials, Mechatronic and Biomedical Engineering, University of Wollongong, Wollongong, NSW 2522, Australia

Deadline for manuscript submissions

15 December 2025

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/207316

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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

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)