



Intelligent Wearable Sensor-Based Gait and Movement Analysis

Guest Editors:

Dr. Diana Trojaniello

Center for Advanced Technology
in Health and Wellbeing, IRCCS
San Raffaele Scientific Institute,
20132 Milan, Italy

Dr. Alan Godfrey

Department Computer Science,
Northumbria University,
Newcastle-upon-Tyne NE1 8ST,
UK

Deadline for manuscript
submissions:

15 February 2025

Message from the Guest Editors

Dear Colleagues,

With the recent growth in technology, wearable technologies are now being widely used for human motion analysis and gait analysis. Wearable smart devices can be applied in new sensing technologies and transducers, signal processing, and artificial intelligence, making them attractive in biomechanics contexts for real-time analysis.

This Special Issue aims to show how intelligent and wearable sensors can be used for human movement, gait analysis, and smart health monitoring.

The topics of interest include but are not limited to:

- Gait analysis;
- Human movement analysis;
- Wearable sensors;
- Sensing technologies
- Sensor signal processing;
- Health monitoring systems;
- Rehabilitation;
- Biomechanics.

Dr. Diana Trojaniello

Dr. Alan Godfrey

Guest Editors





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](#)