



sensors



an Open Access Journal by MDPI

Wearable Sensors for Monitoring Athletic and Clinical Cohorts

Guest Editor:

Dr. Adam Leigh Bryant

Centre for Health, Exercise and Sports Medicine, Department of Physiotherapy, The University of Melbourne, Melbourne, VIC 3010, Australia

Deadline for manuscript submissions:

30 November 2024

Message from the Guest Editor

Wearable monitoring systems, also known as ‘wearables’, are wireless and include a sensor or sensor suite that is worn as an accessory or embedded in footwear or clothing. In combination with analytical software, wearable sensor technology enables the continuous and non-invasive detection of physiological (biosignal) and biomechanical (kinetic, kinematic) data. For athletic cohorts, data generated by wearables can be used by individual athletes, coaches, and support staff (trainers, physiotherapists, and sports medicine physicians) to quantify real-time physical demands with the aim of informing training strategies and screening for potential causes of musculoskeletal injury/re-injury. Whilst clinical applications have received far less attention, wearables hold considerable promise for expanding a range of patient-specific measures. As such, the utilisation of wearables in healthcare environments is expected to increase over the coming years. This Special Issue aims to present original research and review articles on recent advances, technologies, applications, and challenges in the field of wearable sensors used for athletic and clinical cohorts.



mdpi.com/si/167434

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](#)