



sensors



an Open Access Journal by MDPI

Inertial Sensing of Human Movement and Physiological Function

Guest Editor:

Prof. Dr. Gearóid ÓLaighin

Electrical & Electronic
Engineering, School of
Engineering, NUI Galway,
University Road, H91 HX31
Galway, Ireland

Deadline for manuscript
submissions:

closed (31 July 2021)

Message from the Guest Editor

Dear Colleagues,

Since the development of low-cost, commercial MEMS inertial sensors thirty years ago, there has been a rapid growth of research and development in the application of these sensors in health and wellness and sport and exercise.

More and more inertial sensor data are being processed and analyzed using machine learning and artificial intelligence techniques with the growth of data and high-speed communications and these techniques are enhancing performance, making new applications possible.

With telemedicine being fast-tracked worldwide due to the COVID-19 pandemic, more use of inertial sensing in a telemedicine/connected health context is occurring as a means to autonomously track different aspects of human movement and physiological function in the context of assessing the effectiveness of clinician prescribed therapeutic programs.

This Special Issue invites articles featuring original research, as well as review papers covering the full gamut of the application of inertial sensing in human movement and physiological function.

Prof. Dr. Gearóid ÓLaighin
Guest Editor



mdpi.com/si/69893

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 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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