sensors

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

Indexed in: PubMed

CITESCORE 7.3

Human Motion Monitoring and Modeling

Guest Editors:

Dr. Shijia Pan
Computer Science and Engineering, University of California Merced, Merced, CA 95343, USA

Dr. Shubham Jain
Department of Computer Science, Stony Brook University, Stony Brook, NY 11794, USA

Dr. VP Nguyen
Computer Science and Engineering, The University of Texas at Arlington, Arlington, TX 12329, USA

Deadline for manuscript submissions:
closed (30 June 2022)

Message from the Guest Editors

Long-term continuous monitoring and modeling of human motion could enable various new applications of Internet of Things as well as novel diagnostic tools. Therefore, non-intrusive, fine-grained, and accurate human motion monitoring and modeling have become essential for various smart applications. Current state-of-the-art solutions include various on-body and off-body sensors as well as multimodal heterogeneous sensing systems. The challenges include and are not limited to 1) limited labeled data, 2) limited devices/sensors, 3) limited computational resources, 4) personalization and user variance, 5) behavior profiling and anomaly detection, and 6) system quantification and optimization.

Potential submissions could cover the development of new sensors, repurposing existing sensors, combining heterogeneous sensors to capture human motion and methods, systems that acquire finer-grained human motion and/or utilize captured human motion to achieve behavior modeling. The topics include but are not limited to the following:

- human motion monitoring
- fine-grained motion modeling
- wearables
- on-body/off-body sensing
- multimodal
- human variance

sensors

IMPACT FACTOR 3.4 | Indexed in: PubMed | CITESCORE 7.3

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