



sensors



an Open Access Journal by MDPI

Smart Sensors: Applications and Advances in Human Motion Analysis

Guest Editors:

Dr. Cristina P. Santos

Center for
MicroElectroMechanical Systems
(CMEMS), University of Minho,
4710-057 Braga, Portugal

Dr. Joana Figueiredo

Postdoctoral researcher, Center
for MicroElectroMechanical
Systems (CMEMS), University of
Minho, Minho, Portugal

Deadline for manuscript
submissions:
closed (31 October 2021)

Message from the Guest Editors

This Special Issue covers new strategies to recognize and predict the human motion or the human-robot interaction, both in the clinical and in the industry fields, thanks to the application of smart sensors or the innovative use of the standard wearable sensors. Biofeedback strategies-related sensors to augment human collaboration with robotic systems are also encouraged.

Contributions may include, but are not limited to:

- Smart sensors for human motion analysis;
- Sensors for decision making and smart-based applications;
- Wearable sensor-based strategies for motion intention recognition;
- Machine learning algorithms for human motion recognition and prediction;
- Machine learning -based sensor measurements for human motion estimation;
- Sensors applications on collaborative and assistive robots;
- Advanced strategies for improving human-robot interaction;
- Sensing for physical human-robot interaction;
- Applications of sensors for robotics



mdpi.com/si/38090

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](#)