

Special Issue

Assistive Robots for Healthcare and Human-Robot Interaction

Message from the Guest Editors

Assistive technologies like Assistive Robots (AR) are being considered as enablers to support the process of care giving, potentially enhancing patient well-being and decreasing caregiver workload. Currently, it needs to deepen the research about person-centered care, multimodal interaction, multimodal data collection, caregiver expectancy model to improve AR acceptability. In light of these assumptions, the Human-Robot Interaction (HRI) field is devoted to understanding, designing, and assessing the robotic systems used by human being. The central focus of this Special Issues will be to advance novel technologies applied in healthcare processes that have shown exceptional promise in models of HRI though the use of new sensors or methodologies capable to adapt, combine or improve the existing ones. The first important question concerns the modalities needed to sense the emotional state of people by the robot. Secondly, there is the problem of modelling the interaction between human and robot, not only on a haptic level, but also on an emotional level.

Guest Editors

Dr. Grazia D'Onofrio

Complex Unit of Geriatrics, Department of Medical Sciences,
Fondazione Casa Sollievo della Sofferenza, Viale Cappuccini, 1, 71013
San Giovanni Rotondo, Italy

Dr. Daniele Sancarlo

Complex Unit of Geriatrics, Department of Medical Sciences,
Fondazione Casa Sollievo della Sofferenza, Viale Cappuccini, 1, 71013
San Giovanni Rotondo, Italy

Deadline for manuscript submissions

closed (31 July 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/78428

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

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

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 and Instrumentation) / CiteScore - Q1 (Instrumentation)