

Special Issue

Sensors and Sensing Technologies for Social Robots

Message from the Guest Editors

Recent technological advances have made it possible to initiate a progressive deployment of service robots in daily life contexts. These next-generation robots are connected to smart environments and other agents, rely on artificial intelligence-based solutions to interact with people using natural channels, and cooperate with humans and other agents to accomplish different tasks.

Robots working in these settings must be aware of their context, not only physical but also social. They need to perceive, understand, and adapt their behavior to this context, with special emphasis on perceiving and predicting people activities. New sensors and combinations of sensors are employed to help with achieving these tasks, ranging from multicamera systems to radar-based person recognizers, considering both sensors mounted on the robot and others located in the environment or in other agents. The nature and characteristics of these sensors are also influenced by the application domain in which the robot is deployed, ranging from industrial co-workers to home assistants.

Guest Editors

Prof. Dr. Juan Pedro Bandera

Department of Electronic Technology, University of Málaga, Campus de Teatinos, 29071 Málaga, Spain

Dr. Suna Bensch

Department of Computing Science, Umeå Universitetdisabled, 90187 Umea, Sweden

Deadline for manuscript submissions

30 November 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/209534

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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)