



Sensing for Social Robots

Guest Editors:

Dr. João Silva Sequeira

Instituto Superior Técnico,
Lisbon University, 1049-001
Lisboa, Portugal

joao.silva.sequeira@ist.utl.pt

Dr. Rodrigo Ventura

Instituto Superior Técnico,
Lisbon University, 1049-001
Lisboa, Portugal

rodrigo.ventura@
tecnico.ulisboa.pt

Deadline for manuscript
submissions:

30 January 2022

Message from the Guest Editors

Dear colleagues,

Social robots are getting ubiquitous, posing growing pressure on the robotics community to deliver these artificial entities able to play interesting roles in society. Robot skills are, slowly but surely, approaching humans', i.e., to mimic and further extend humans' typical skills. Hence, in addition to sensing matching human senses, there is a drive to develop novel sensors and processing techniques for the data produced.

The challenges for the sensors community are huge, ranging from materials to operation principles, mathematical models, sensor fusion, perception, and artificial intelligence, as well as hardware and software aspects. In addition, networked social robotics extends the possibilities of sensor architectures. Sensor uncertainties may even remain in the background of those intrinsic to social concepts, not affecting prospective robot skills. The importance of sensing in the context of social robots is thus clear.

For detailed information, please visit [here](#).

Dr. João Silva Sequeira
Dr. Rodrigo Ventura
Guest Editors





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](#), [Embase](#), [Ei Compendex](#), [Inspec](#), and many other databases.

Journal Rank: [JCR - Q1](#) (*Instruments & Instrumentation*) / [CiteScore](#) - Q1 (*Instrumentation*)

Contact Us

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

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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