



Neuro-Robotics Systems: Sensing, Cognition, Learning, and Control

Guest Editors:

Dr. Diego R. Faria

Dr. Alessandro Carfi

Dr. Timothy Patten

Prof. Dr. Markus Vincze

Deadline for manuscript
submissions:

closed (20 August 2023)

Message from the Guest Editors

Dear Colleagues,

Neuro-robotics systems play an important role as technology advances to promote human wellbeing and quality of life. By combining studies of neuroscience, robotics, and artificial intelligence, new models, applications, and hardware are being designed to promote the fusion of these fields towards human-centred research and real-life applications to assist humans. Considering the field of cognitive robotics, intelligent behaviour is the main aspect pursued, given a processing architecture, so learning and reasoning about how to behave in response to complex goals in a complex world full of uncertainties must be designed. Neuro-robotics systems within the Cognitive Robotics perspective must consider the Sensing—Reasoning—Action Loop, which is human-centric. This SI aims to put together neuro-robotic systems and cognitive robotics research perspectives in order to promote quality research towards human-centric application outputs that might have a potential impact on human lives.

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

Dr. Diego R. Faria

Dr. Alessandro Carfi

Dr. Timothy Patten

Prof. Dr. Markus Vincze

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](#), [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](#)