Special Issue

Design, Optimization and Performance Analysis of Cognitive Robotics

Message from the Guest Editors

Cognitive Robotics is currently an actively developing domain, aiming to construct autonomous robots capable of becoming aware of their body schema and physical abilities; mapping their environment (indoors and outdoors); discovering affordable actions; as well as interacting with humans in a socially acceptable manner, both physically and dialogically, thus enabling human–robot collaboration. The aim of this Special Issue on "Design, Optimization, and Performance Analysis in Cognitive Robotics" is to collect and disseminate scientific articles addressing challenges currently encountered in Cognitive Robotics. We particularly invite contributions that survey important open problems in these domains in order to provide informed guidance to researchers. We also invite submissions on formal (non-bio-inspired) approaches for solving the problem of the cognitive architecture design.

Guest Editors

Dr. Mihai Andries
Lab-STICC, IMT Atlantique, CS 83818-29238 Brest, France

Dr. Plinio Moreno
Instituto Superior Técnico, Institute for Systems and Robotics (ISR-Lisbon), 1049-001 Lisboa, Portugal

Dr. Alexandre Bernardino
Instituto Superior Técnico, Institute for Systems and Robotics (ISR-Lisbon), 1049-001 Lisboa, Portugal

Deadline for manuscript submissions

closed (30 September 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/97152

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

MDPI