

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.

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closed (30 September 2022)



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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.

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