Special Issue

Modeling Human Cognition for Social Robotics Applications: Latest Advances and Prospects

Message from the Guest Editors

The creation of a social robot is the perfect example of interdisciplinarity, merging knowledge coming from automation, computer science, mechatronics, and machine learning with fields outside of the engineering realm, such as neuroscience, social psychology, and philosophy, to cite a few. This synergy has resulted in human-inspired cognitive, perception, and actuation systems designed to turn a robot into a social agent with interaction capabilities.

This Special Issue aims at encouraging leading scientists to contribute with their latest advances and prospects in the design, building, testing, and application of social robots, with a particular focus on robot autonomy, including cognition, personality, and behaviour design, representation of emotions and their influence on robot decision making, and applications in real-world settings, but with no limitations to novel solutions that could help to improve the naturalness and effectiveness of human–robot social interaction.

Guest Editors

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Deadline for manuscript submissions

closed (10 May 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/121858

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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

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