Special Issue

Novel Approaches and Applications in Human–Robot Interactions

Message from the Guest Editors

The topics of interest for this Special Issue include, but are not limited to, the following:

- The role of co-speech gestures in enhancing robot social interactions;
- Novel interaction paradigms between humans and robots;
- Collaborative and assistive robots in healthcare, education, and industry;
- Human trust, ethics, and decision-making in autonomous systems;
- Adaptive systems and personalized robot behaviors;
- Safety and risk management in human–robot environments;
- Emotional and social aspects of HRIs, including non-verbal communication;
- Human–AI teamwork and collaboration frameworks;
- Advances in robot perception, learning, and communication for improved HRIs;
- User experience and usability studies in HRI design.

We invite contributions that include both theoretical insights and practical applications, with validation through user studies, simulations, or real-world deployment.

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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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