

Special Issue

Human–Robot Interaction: Recent Advances in Theory, Methods and Applications

Message from the Guest Editor

This Special Issue welcomes contributions that explore

- Novel robot control techniques for real-time and shared autonomy;
- Human–robot collaboration models and task sharing paradigms;
- Design and evaluation of intuitive human–robot interfaces;
- Sensor fusion, distributed perception, and context-aware interaction;
- Sensorimotor integration and multimodal feedback mechanisms;
- AI-enhanced interaction strategies, including intention recognition and user modelling;
- Experimental studies in industrial, assistive, social, and educational contexts;
- Human factors, ergonomics, and ethical implications in HRI design.

By highlighting recent scientific and technological advances, this Special Issue aims to provide a platform for interdisciplinary research that addresses the challenges of building robotic systems capable of engaging with humans in effective, intelligent, and socially acceptable ways. We look forward to showcasing innovative contributions that drive forward the state of the art in human–robot interaction

Guest Editor

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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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