

Special Issue

Computer Vision and Action Planning for Human–Robot Interaction

Message from the Guest Editors

Human–Robot Interaction (HRI) is a multidisciplinary field fueled by the integration of artificial intelligence, sensor and processor technologies, advanced algorithms, and sophisticated cognitive models. With robots permeating everyday life, HRI research is expanding into complex, dynamic real-world scenarios where humans and robots coexist. To develop high-performance robotic systems, it is critical to design safe, intuitive, and interpretable frameworks that help humans clearly understand robotic behaviors.

This Special Issue focuses on cutting-edge research and innovations in algorithms, techniques, sensor systems, and robotic platforms for human-robot interaction. It welcomes both theoretical and practical studies to deliver a systematic overview of state-of-the-art computer vision and motion planning in HRI, inspire discussions on emerging trends, and outline future research directions. We invite researchers, practitioners, and academics to join us in exploring current advancements and envision the future of HRI in our increasingly complex world.

Guest Editors

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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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