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Computer Vision and AI for Interactive Robotics

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Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

The rise of robotics technology has led us into a new era of intelligence. Robots have been widely used in industrial manufacturing, medicine, transportation, agriculture, etc., greatly improving human production and living standards. With the advancement of machine learning, computer vision, natural language processing, and artificial intelligence technology, interactive robots will be more intelligent and efficient and provide humans with better services and experiences.

We invite authors to submit high-quality, original research papers in the field of interactive Robotics. The topics of interest in this Special Issue include, but are not limited to

- Human–robot interaction;
- Mobile robots;
- Industrial robots;
- Robots for medicine and healthcare;
- Obstacle-avoidance robots;
- Robot vision;
- Robot design and control;
- Robot perception;
- Robot motion planning;
- Visual robot for navigation;
- Image processing based on robots;
- Object detection based on robots and automation;
- Robots and Cloud and Edge Computing.



mdpi.com/si/192855

Special Issue



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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.

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