Special Issue

Kinematics, Motion Planning and Control of Robotics

Message from the Guest Editors

This Special Issue aims to explore the latest innovations and research in kinematics, motion planning, and control of robotic systems. We are interested in the following (and related) themes:

- Innovative kinematic models and their applications in robotics
- Advanced motion planning techniques for autonomous systems
- Robotics control in dynamic environments
- Development and application of anthropomorphic and redundant robots
- Integration of AI, including fuzzy logic and neural networks, in robotics control
- Real-time control strategies and their implementation
- Multi-robot coordination and collaborative robotics
- Use of machine learning for improved robotics control and motion planning

We invite original research articles that provide new insights and practical solutions, as well as review papers that summarize recent developments and emerging trends in these critical areas. Through this collection, we aim to foster a deeper understanding and spark innovative ideas that will shape the future of robotics.

Guest Editors

Dr. Mihai Crenganiş

Prof. Dr. Sever-Gabriel Racz

Prof. Dr. Radu-Eugen Breaz

Deadline for manuscript submissions

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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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