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Motion Planning and Control for Automatic Machines, Robots and Multibody Systems

Guest Editor:

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Message from the Guest Editor

Intelligent control is considered one of the most fundamental problems for robotic research. Over the last few decades, robotic motion control has achieved great success in static, structured environments with low degree of freedom robots, mainly robot arms. However, the thriving of automatic machine and robot research leads to new application scenarios, e.g., unstructured, dynamic, or narrow environments, and complicated robot systems, e.g., humanoid, quadruped robots, swarm robots. For these scenarios and robotics systems, the motion control process can be very long, and the generated motion may be insecure or collide with or violate the requirements. In this Special Issue, we invite experimental and theoretical contributions on motion planning and control research for automatic machines, robots, and multibody systems in the robotics area, such as medical robots, industrial robots. robots. mobile robots. service micro/nanorobots. automatic machines visual servoing. multirobot cooperation, and so on.

Dr. Shuang SONG Guest Editor











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Editor-in-Chief

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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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