

Special Issue

Automation and Robotics: Latest Achievements, Challenges and Prospects

Message from the Guest Editors

Automation and robotics form broad-spectrum areas of research, which are tightly interconnected. Automation, supported by robotics, is currently one of the necessary elements that can effectively speed up and improve production. This Special Issue welcomes the latest achievements, challenges and prospects for drives, actuators, sensors, controls, robot navigation with reverse validation and applications in the field of industrial automation and robotics. Its aim is to present contributions to shorten pre-production processes and simulate and design key elements and components, while achieving exceptional quality and minimizing costs. Contributions should focus primarily on:

- New approaches to the modelling and simulation of sensors and monitoring and control systems in automated systems;
- Progressive methods of robot machine learning development;
- Optimization approaches and learning control methods for robotics and automation;
- others

Detailed information can be found at:

https://www.mdpi.com/journal/applsci/special_issues/automation_robotics_achievements

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Deadline for manuscript submissions

closed (20 August 2021)



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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.

Editor-in-Chief

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