Special Issue

Automation and Intelligent Control for Robotics

Message from the Guest Editors

In recent years, robotics has achieved significant development, driven by advancements in artificial intelligence, machine learning, and sensor technologies. This transformation has enhanced robots' capabilities and expanded their applications across diverse fields. This Special Issue aims to collate original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of intelligent control for robotics. Application areas of interest include (but are not limited to) intelligent control for space robots, underwater robots, medical robots, servicing robots, and educational robots. Potential topics include, but are not limited to, the following:

- Autonomous navigation and path planning for robotics;
- Intelligent control algorithms for robotics;
- Intelligent robots and systems;
- Micro electro mechanical systems;
- Mobile robots and intelligent autonomous systems;
- Precision motion control;
- Opto mechatronics integration;
- Robot calibration;
- Sensors and detection technology;
- Robot design, development, and advanced control;
- Advanced decision and robust control.

Guest Editors

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Deadline for manuscript submissions

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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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