Special Issue

Advances in Robotics and Autonomous Systems

Message from the Guest Editors

This special issue is dedicated to the state-of-the-art and future needs in several areas related to equipment and technology to monitor, control, and operate any process or function with accuracy and efficiency including, but not limited to, robotics and mechatronics, artificial intelligence, design, modeling, control logic, and sensors. Cable-driven robots, parallel and hybrid mechanisms, soft robots, mobile robots, aerial and underwater robots, exoskeletons, and rehabilitation robots in use today or in the near future will be discussed. Papers are welcome on topics related to aspects of theory, practice, and application. In particular, the topics of interest include, but are not limited to:

- Robotics and mechatronics;
- Cable-driven robots, parallel and hybrid mechanism;
- Mobile, aerial, and marine robotics;
- Bionic, humanoid, rehabilitation, and exoskeleton robots;
- Control theory, systems, and applications;
- Human–autonomy interaction, integration, and safety;
- Haptics and haptic interfaces;
- Positioning, path planning, scheduling, and trajectory;
- Machine learning, machine vision, and artificial intelligence.

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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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