Special Issue

Intelligent Control and Applications for Robotics

Message from the Guest Editor

Robotics can help automate tasks that are repetitive, dangerous, or vulnerable to human error. More and more applications in totally different fields, like UAV, AUV, drones, mobile robots, space robots, for instance, make the robotics more versatile and further complicated. However, automation without intelligence creates a system that cannot respond to variables, new environments, or dynamic requirements. With advanced decision, planning, and control schemes, the plants will enrich the application scenarios. The aim of this Special Issue is to bring together original research on the related topics. Potential topics include Aerial Robotics, marine robotics, space robotics, and mobile robotics of the following aspect, but are not limited:

- Advanced control algorithms
- Intelligent decision and motion planning
- Autonomous navigation and planning
- Contact dynamic modeling
- Sensors fusion and estimation
- Multi-agents planning and control
- Collaborative manipulation
- Learning and classifying algorithms
- Advanced robotics design and applications

Guest Editor

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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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