Special Issue

Applied Intelligent Control and Perception in Robotics and Automation

Message from the Guest Editor

Intelligent control has been widely used in recent decades as a concept to encompass techniques ranging from fuzzy logic, neural networks, genetic algorithms, evolutionary computing, multiagent systems, and other Artificial Intelligence methods, to recent advances in deep learning (especially for perception) and machine learning, among others. These techniques by themselves, or even combined with other methods such as robust, adaptive or model predictive control, for instance, have obtained significant results in applications in different domains such as control and perception in robotics, autonomous vehicles, human–robot interaction, factory automation, industry 4.0, process control or microgrids, and energy systems, among others. The objective of this Special Issue is to gather research and review papers that include the applications of these methods to solve problems in the above fields, exchange experiences, and promote synergies.

Guest Editor

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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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