Research and Application of Intelligent Control Algorithm

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Intelligent control is primarily used to solve the control problems of complex systems that are difficult to solve using traditional methods. Such systems commonly involve uncertain mathematical models and highly nonlinear and complex task requirements. How to combine intelligent control algorithms with various application scenarios has become the most challenging area of research directions in the field of intelligent control algorithm application and engineering. The topics of interest include but are not limited to:

- Mathematical modeling and framework of intelligent control systems;
- Research on the theory and algorithm of intelligent control systems;
- Simulation and test technology of intelligent control algorithms;
- Application of intelligent control algorithms in robot systems;
- Application of intelligent control algorithm in aerospace control systems;
- Application of intelligent control algorithm in computer/modern integrated manufacturing system and computer/modern integrated operation system;
- Application of intelligent control algorithm in transportation systems;
- Other related topics.

Special Issue

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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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