Special Issue

Practical Applications of New Optimization Methods and Intelligent Control

Message from the Guest Editors

In recent years, many new optimization and control methods have been developed rapidly. Theoretical results are often based on perfect assumptions, but the actual background is often inconsistent with them, and there may be more complicated problems that make it impossible for theoretical knowledge to be directly applied to actual projects. At this stage, there is an urgent need to develop new optimization methods and intelligent technologies oriented to actual industrial systems. This Special Issue will publish high-quality and original research papers in the following fields, but not limited to them:

- Methods of fault diagnosis and life prediction in the metallurgical industry.
- Aircraft modeling and control.
- Modeling and control of multiagent systems.
- Pattern recognition and artificial intelligence in medicine.
- Modeling and system identification for practical systems.
- Optimization and control methods for practical systems.

Guest Editors

Prof. Dr. Jin Guo

Dr. Wei Su

Prof. Dr. Wendong Xiao

Deadline for manuscript submissions

closed (20 April 2025)

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.

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