



Optimization in Scheduling and Control Problems

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Message from the Guest Editors

Dear Colleagues,

Numerous optimization problems in practice are multi-objective optimization problems, containing two or more objective functions that need to be optimized simultaneously. For example, in the field of production scheduling, we need to consider both the production efficiency and cost, and even energy consumption. Additionally, to efficiently control the machining process parameters, we have to consider the machining accuracy, machining efficiency, and the impact on the performance of machine tools and cutting tools at the same time. In recent years, multi-objective optimization methods, such as multi-objective evolutionary algorithms, have been widely used in production scheduling and optimal control. In this Special Issue, original papers and review papers are welcome. Research areas include but are not limited to the following:

1. Novel multi-objective optimization algorithms, such as learning-based multi-objective optimization algorithms;
2. Multi-objective optimization algorithms for scheduling applications;
3. Multi-objective optimization algorithms for control applications;
4. Multi-objective optimization algorithms in other related fields.





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Message from the Editor-in-Chief

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