# Special Issue

# Optimization in Scheduling and Control Problems

## Message from the Guest Editors

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:

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

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## Deadline for manuscript submissions

closed (31 December 2023)

# About the Journal

### Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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