Special Issue

Theory and Applications of Scheduling and Optimization

Message from the Guest Editors

Scheduling refers to allocating limited resources, like machines, personnel, and transport vehicles, to economic activities over a period of time to achieve managerial excellence. The practical significance of scheduling theory can be seen in various manufacturing and service industries as well as in public sectors. This Special Issue will focus on recent theoretical analysis and algorithm designs used to solve optimization problems in scheduling. Case studies of real applications and reviews are welcome. Topics include, but are not limited to, the following:

- Discrete and stochastic optimization models;
- Design and analysis optimization algorithms;
- Performance appraisal of models and algorithms;
- Metaheuristics;
- Machine learning techniques;
- Reviews or surveys;
- Case studies.

Guest Editors

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Prof. Dr. Shyong Jian Shyu

Prof. Dr. Peng-Yeng Yin

Deadline for manuscript submissions

31 October 2025

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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