Recent Advances in Optimization Algorithms for Scheduling and Operations Research

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on state-of-the-art research related to the development and application of advanced scheduling and optimization algorithms in a wide range of industrial domains. Topics of interest include, but are not limited to:

- The applications of novel scheduling models and algorithms in healthcare, logistics, manufacturing, project management, finance, engineering, or novel domains like drone and AGV scheduling.
- The integration of artificial intelligence and machine learning methods to dynamically optimize task assignment and resource allocation.
- The development of real-time schedules to quickly adapt to changing conditions.
- The implementation of cloud-based scheduling solutions to provide flexibility and accessibility.
- The integration of sustainability considerations to minimize energy consumption or reduce environmental impacts.
- Case studies detailing the successful implementation and integration of novel scheduling models and algorithms with existing systems and processes.

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Special Issue

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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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