Advances in Scheduling Optimization and Computational Intelligence

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Scheduling optimization and computational intelligence are key aspects in modern process and system engineering, aimed at optimizing the scheduling of various tasks and resources to achieve maximum efficiency and minimum cost. By utilizing various mathematical methods and modeling analysis, such as applied statistics, methodology, queuing theory, artificial intelligence, machine learning, and optimization algorithms, scheduling optimization enables decision makers to make timely and wise decisions.

In this Special Issue, we invite original research contributions including but not limited to:

- Scheduling algorithms for manufacturing systems, logistics networks, and other industrial processes;
- Computational intelligence techniques for decision making and optimization in dynamic and complex environments;
- Innovative applications of artificial intelligence, machine learning, and metaheuristic algorithms in scheduling optimization;
- Modeling and optimization of multi-objective, multi-constraint scheduling problems;
- Evaluation and comparison of different computational intelligence approaches for scheduling optimization;

Special Issue

Editor-in-Chief

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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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