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Combinatorial Optimization Problems in Planning and Decision Making

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

In recent years, combinatorial optimization has taken the attention of research academics and industry because of the several real-life problems that can be modelled. Several optimization methods have been proposed for solving a variety of popular planning problems including the travelling salesman problem, the vehicle routing problem, the job shop scheduling, the timetabling problem, and many more.

This Special Issue will focus on recent theoretical and computational studies of combinatorial optimization, with a focus on planning and scheduling problems, as well as decision making methods for the selection of the optimal solution. Topics include, but are not limited to, the following:

1. Constraint programming techniques for solving planning and scheduling problems
2. Stochastic algorithms for combinatorial optimization
3. Metaheuristics for combinatorial optimization
4. Decision support systems for planning and scheduling
5. Multi-objective combinatorial optimization
6. Multi-criteria decision making in planning and scheduling

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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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