



Planning and Scheduling Optimization

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Message from the Guest Editors

This Special Issue of *Applied Sciences* is devoted to recent research, current developments, and applications of complex systems planning and scheduling.

It also aims to present the most recent developments of operations research models and other applications of intelligent computing techniques used for planning and scheduling in a variety of manufacturing, engineering, and healthcare systems. The topics of interest include but are not limited to:

- Heuristic and metaheuristic algorithms for planning and scheduling problems in manufacturing, engineering and healthcare systems;
- Exact algorithms (branch and bounds, dynamic programming, etc.);
- Different scheduling applications (timetabling, network routing, crew scheduling, production scheduling, resource-constrained project scheduling, etc.);
- Energy-efficient planning and scheduling problems;
- Intelligent optimization approaches for intelligent manufacturing systems;
- Artificial Intelligence and data analytics (manufacturing, services, healthcare, services and industries of the future, etc.).

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