Algorithms and Optimization for Project Management and Supply Chain Management

Guest Editor:

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Deadline for manuscript submissions:
closed (15 February 2024)

Message from the Guest Editor

It is my pleasure to invite you to submit your cutting-edge and contemporary research on optimization algorithms to solve different operation management problems. The key application areas of this Special Issue are project management and supply chain management. Fundamentally, project scheduling has been considered one of the critical tasks in project management, which predominantly assumes scheduling project activities by satisfying precedence and resource constraints. Thus, to sustain a nation's economic growth and competitiveness in the new reality, it is vital not to cancel but to optimize affected or vulnerable project portfolios (Chakrabortty and Ryan, 2020).

This Special Issue aims to bring together optimization algorithms to optimize supply chain drivers (e.g., supplier selection, make or buy decision, subcontracting or overtime option, project compression or project crashing, inventory handling, number of orders, lead times, supply uncertainty, lead time uncertainty, product availability) while simultaneously managing projects.

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Special Issue

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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