Special Issue

Algorithms and Optimization for Project Management and Supply Chain Management

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.

Guest Editor

Dr. Ripon K. Chakrabortty

School of Systems & Computing, University of New South Wales-Canberra, Canberra, ACT 2610, Australia

Deadline for manuscript submissions

closed (15 November 2024)

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

mdpi.com/si/117541

Algorithms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
algorithms@mdpi.com

mdpi.com/journal/algorithms

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

mdpi.com/journal/algorithms

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Frank Werner
Faculty of Mathematics, Otto-von-Guericke-University, P.O. Box 4120, D-39016 Magdeburg, Germany

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Computer Science, Theory and Methods) / CiteScore - Q1 (Numerical Analysis)