Feature Papers in Combinatorial Optimization, Graph, and Network Algorithms

Collection Editor:

Prof. Dr. Roberto Montemanni
Department of Sciences and Methods for Engineering, University of Modena and Reggio Emilia, 42100 Reggio Emilia, Italy

Message from the Collection Editor

This Topical Collection "Feature Paper in Combinatorial Optimization, Graph, and Network Algorithms" aims to collect high-quality research articles and review articles in the wide fields of combinatorial optimization, graph theory, operations research and industrial engineering. The topics are of great interest both in academia and industry, spanning from theoretical results to applied contributions. Artificial Intelligence is becoming a popular tool in the field, therefore contributions incorporating such an aspect are encouraged. Survey papers are also welcome.

- cutting and packing
- discrete and combinatorial optimization
- emergency and humanitarian logistics
- game theory
- graph theory and network optimization
- heuristics and metaheuristics
- linear and nonlinear programming
- logistics
- machine learning
- mathematical programming
- multiple-criteria decision making
- network analytics
- planning and project management
- railway and air traffic problems
- routing
- scheduling and timetabling
- stochastic and robust optimization
- traffic and transportation

Topical Collection

Editor-in-Chief

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

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.

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)

Contact Us