
Call for Papers
Annals of Operations Research
**Special Volume: Advances in Theoretical and Applied Combinatorial
Optimization**

Deadline Extended to January 29, 2017

This is a call for papers that make a significant contribution to the topic ‘Combinatorial Optimization’. It is open to all researchers of this area. We would like to encourage, in particular, all participants of the International Symposium in Combinatorial Optimization CO2016 (September 1-3, University of Kent, Canterbury, UK) to submit extended versions of their presented papers.

The deadline for submission is **January 29, 2017**.

We are particularly interested in articles describing studies that integrate mathematical rigor with efficient heuristic design, new facets of integer programming, network design, and complexity theory. Mathematical formulations and efficient heuristics that deal with current application areas such as the environment, green logistics, and big data are also encouraged.

The main topics of interest are:

Theory and Methodology:

- Theoretical and empirical analysis in CO
- Integer programming and its advances
- Graphs and network optimization problems
- Unresolved combinatorial problems
- Analysis of hard optimization problems
- Max algebra
- Game theory
- Scheduling theory
- New mathematical formulations
- Complexity theory
- Integration of exact methods and heuristics
- Multi-objective optimization
- Global optimization

Applications:

- Big data (biology, marketing, health)

- Location problems
- Routing and scheduling problems
- Environmental decision problems
- Logistical issues in supply chains (integrated problems)
- Packing and warehousing
- Any other CO applications

Instructions for authors can be found at:

<http://www.springer.com/business/operations+research/journal/10479>

Authors should submit a cover letter and a manuscript by January 29, 2017, via the Journal's online submission site. Manuscripts submitted after the deadline may not be considered for the special volume and may be transferred to a regular volume.

Please see the Author Instructions on the web site if you have not yet submitted a paper through Springer's web-based system, *Editorial Manager*. Be sure to note when leaving a comment that your work is intended for the special volume and to select the article type "***S.I.: Advances in Theoretical and Applied Combinatorial Optimization***".

Papers will be subject to a strict review process managed by the Guest Editors and accepted papers will be published online individually, before print publication.

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