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

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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 October 31, 2016. Please note: REVIEWING WILL BEGIN NOVEMBER 1, 2016.

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 October 31, 2016 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 "**xxx**." 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.

The following timetable will be adhered to:

Manuscript Due	October 31, 2016
First Round Reviews	January 31, 2017
Publication Date	June 15, 2017

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