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Special Issue on

***“Optimization methods for decision making:
advances and applications”***

Overview

Modern societies and organizations have to face everyday decision and optimization problems, which can become even harder in the era of Big Data. Indeed, the availability of large amount of information is leading towards the definition of new and complex decision problems, where additional requirements, features and uncertainty on data, have to be taken into account. The constant increase of the power of computational resources plays a fundamental role in tackling these problems, but it could be not sufficient if not supported by efficient and effective solving approaches. This special issue is addressed to scientists and experts from academia and industry, and its goal is to present high quality research papers on methodological and theoretical advances in exact and heuristic optimization methods for decision problems and their applications. Topics of interest include, but are not limited to:

- Heuristics and Metaheuristics
- Multi-criteria Decision Making
- Optimization under uncertainty
- Scheduling and Timetabling
- Cutting and packing problems
- Data Science and Optimization
- Artificial Intelligence
- ICT and Computer Networks
- Decision Support Systems
- Industrial and territorial applications
- Emerging applications and practice of OR

For this special issue contributions are encouraged from the Operations Research, Computer Science and quantitative methods communities, and in particular from the participants to the International Conference ODS2017 on Optimization and Decision Science, Hilton Sorrento Palace, Sorrento, Italy, September 4th – 7th, 2017(www.airoconference.it/ods2017).

Important Dates

We encourage authors to submit papers as soon as possible to expedite the review process and publish the special issue within 2018.

Manuscript submission starting date: October 1st, 2017

Manuscript submission due date: January 31st, 2018

First notification (acceptance/revise/reject): March 30th, 2018

Revised manuscript due (first round review): April 30th, 2018

Second notification (acceptance/revise/reject): May 31st, 2018

Camera-ready submission: June 30th, 2018

Publication of the Special Issue: October 31st, 2018

Submission procedure

Research and review articles are invited. Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except conference proceedings papers). All manuscripts will be refereed through a peer-review process, according to the usual standards of the journal. More information about submission guidelines can be found at <https://link.springer.com/journal/500>.

In order to submit their paper, authors have to login into the online submission system at: <http://soco.edmgr.com/> select as “*Article Type S.I. Opt_DeMa*” and select “*Section/Category*” as “**Methodologies & Application**”.

Questions about the Special Issue should be directed to Special Issue Guest Editors.

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