

# Special Issue on “*Optimization and Operational Research in Engineering*”

for the Journal

“**Frontiers of Engineering Management**”

**At the Occasion of the Joint Optimization Conferences,  
Perth, Australia, December 2017**

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## **Description**

*Frontiers of Engineering Management* is a research journal sponsored by the Chinese Academy of Engineering, administered jointly by Tsinghua University and Huazhong University of Science and Technology, and published by Higher Education Press, China. The journal is international in its scope and mission. It is published quarterly in English in both print and online versions. *Frontiers of Engineering Management* provides a high-quality international platform for academic researchers, industry professionals and other constituent communities in the broad field of engineering management to impart and share the latest research results and knowledge in the form of research articles, reviews, letters and comments.

*Frontiers of Engineering Management* strives to promote the advancement of the science of engineering management, the improvement of the practice of engineering management, and the preparation of researchers and practitioners to address contemporary and future challenges in engineering management. The topics covered by the journal include general, specialty and cross-disciplinary studies in engineering management, both theoretical and applied, and studies related to engineering management education worldwide.

## **Aims and scope**

Optimization and operational research deal with the applications of advanced mathematical and analytical methods for determining better solutions and decisions to problems. Their importance has been demonstrated in a great variety of applications spanning, e.g., construction, mining, transportation, energy, aerospace, agriculture, logistics and business management. Opportunities of new applications arise benefitted from the developments of novel technologies and approaches which overlap between multi disciplines.

The aim of this special issue is to collect high quality research papers, focusing on the trends and innovations of optimization and operational research on engineering applications. This special issue is devoted to solving practical engineering problems using applied mathematical methods with emphases on optimization and operational research. Mathematical modellings of engineering problems, e.g., civil and construction, transport and logistics, industrial and manufacturing are welcome. Mathematical methods include, but not limited to, linear programming, nonlinear programming, integer programming, network programming, semi-definite programming, stochastic programming, dynamic programming, optimal control, and meta-heuristic optimization. Of great interests are solving real-world problems through novel mathematical modelling and novel applications. Papers employing existing approaches must demonstrate sufficient novelty in the solution of practical problems.

## **Submission details**

To submit a manuscript, please visit <https://cn.manuscriptcentral.com/fem> and under “**Manuscript Type**” select “**Optimization and Operational Research in Engineering**”. All manuscripts will be peer-reviewed in accordance with the established policies and procedures of the journal. Papers will be selected for publication following the outcome of the peer review process and subsequent decisions of the Guest Editors and the Editor-in-Chief.

## **Important Dates**

- Submission deadline: July 1, 2018
- First decision notification: Oct. 1, 2018
- Submission of revised paper: Nov.1, 2018
- Final decision notification: Dec. 1, 2018
- Expected publication date: Dec. 31, 2018 (to be determined by the journal editor)