CALL FOR PAPERS

Special Issue of OR Spectrum on

Integrated Modeling, Optimization, and Data Analysis
with Practical Applications

Editors:

Phil Kaminsky, University of California, Berkeley, kaminsky@ieor.berkeley.edu
Marco Lübbecke, RWTH Aachen University, luebbecke@or.rwth-aachen.de
Hans-Jürgen Sebastian, RWTH Aachen University, sebastian@or.rwth-aachen.de

Successful practical applications of Operations Research require the integration of different methodological approaches and techniques such as modeling, optimization, multi-criteria decision analysis, data and systems analysis and knowledge management. Many complex design, planning, scheduling and control problems can only be solved by integrating a variety of different techniques. Applications requiring this type of integrated approach can be found in many areas, including Logistics and Supply Chain Management, Telecommunications, Energy and Environment, Healthcare, Risk and Catastrophic Event Risk Management. High-performance computer-aided systems are typically necessary to support the use of the methods mentioned above and to implement the systems and solutions in practice.

This special issue seeks contributions which describe the use of combinations of two or more of these methodological approaches in order to solve a complex problem with a real world practical application.

Application areas of interest include, but are not limited to the following:

- Logistics and Supply Chain Management
- Production Planning and Scheduling
- Service Analytics and Management
- Telecommunications
- Energy and Environment
- Risks and Extreme Events Management
- Healthcare
- Biotechnology
- Decision and Knowledge Analytics

Each submitted paper will be peer reviewed according to the review standard of OR Spectrum. For a submission to this special issue, a significant contribution to the theory and practice of Operations Research is required. For further information see http://www.springer.com/business+management/operations+research/journal/291.

The publication of the special issue is planned for the beginning of 2014.

Submission Guidelines

Manuscripts must be written in English and should be submitted using the Editorial Management System at www.editorialmanager.com/orsp.

Manuscript submission deadline: October 30, 2012.