

**Lecture Notes in
Operations Research**

8

Series Editors:
Ding-Zhu Du and Xiang-Sun Zhang

**OPERATIONS RESEARCH
AND ITS APPLICATIONS**

The Seventh International Symposium, ISORA'08
Lijiang, China, October 31–November 3, 2008
Proceedings

Edited by
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ABOUT ISORA 2008

THEME AND SCOPE

The 7th International Symposium on Operations Research and Its Applications (ISORA 2008), organized by Asia-Pacific Operations Research Center (APORC) under APORS and the Chinese Academy of Sciences (CAS), will be held in Lijiang, China from October 31 to November 3, 2008.

ISORA is a series international symposium with goals to provide an international forum for scientists, researchers, educators, and practitioners in OR/MS to exchange ideas and approaches, to present research findings and state-of-the-art solutions, to share experiences on potentials and limits, and to open new avenues of research and developments, on all issues and topics related to the theories and applications of Operations Research. The previous 6 ISORAs under the support of CAS and National Science Foundation of China (NSFC) were very successful and attracted many international scholars.

Theme of the ISORA 2008 focuses on OR Application in real world. We are particularly interested in submissions that report on experimental and applied research motivated by real-world problems. Theoretical and applied papers are expected to show convincingly the usefulness and efficiency of OR methods and algorithms discussed in a practical setting. Typical, but not exclusive, topics of interest are:

- Optimization Theory & Applications
- Algorithm Analysis and Design
- Approximation Algorithms
- Graph Theory
- Combinatorics
- Logistics Management
- OR Methods in Bioinformatics
- Applications in Industry, Service, Finance, Business and Biology

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PROCEEDING PAPERS AND CONTRIBUTING AUTHORS

In Proceedings of the Seventh International Symposium on Operations Research and its Applications (ISORA 2008), the papers are indexed by ISTP (Index to Scientific & Technical Proceedings).

Sixty one full papers in this volume cover wide range of operations research and its applications. Authors of these papers come from United States, Australia, China mainland, Germany, Hong Kong, Macau, Taiwan, Japan, Korea, UK, and Netherlands. Many active researchers in various areas contributed their overview and introduction in their fields besides specific deep research achievements. During the symposium, focusing sessions are organized such as in policy study, logistics, supply chain management, scheduling, queueing, network optimization, bioinformatics, and management science.

ISORA 2008 is held in Lijiang, the most famous old city of ethnic minorities with brilliant culture. We hope all the participants will enjoy very much not only the academic exchange, but also the beautiful trip of Lijiang.

AVAILABILITY

The electronic version of the proceedings can be downloaded from the web sites of ORSC and APORC.

ORSC: <http://www.orsc.org.cn>

APORC: <http://www.aporc.org>