

Jörg Kalcsics
Stefan Nickel
Editors

Operations Research Proceedings 2007



GOR

Gesellschaft für Operations Research e.V.



Springer

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Selected Papers
of the Annual International Conference
of the German Operations Research Society (GOR)

Saarbrücken, September 5-7, 2007

Jörg Kalcsics · Stefan Nickel
(Editors)

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Preface

The symposium Operations Research 2007 was held from September 5-7, 2007 at the Saarland University in Saarbrücken. This international conference is at the same time the annual meeting of the German Operations Research Society (GOR).

The transition in Germany (and many other countries in Europe) from a production orientation to a service society combined with a continuous demographic change generated a need for intensified Operations Research activities in this area. On that account this conference has been devoted to the role of Operations Research in the service industry. The links to Operations Research are manifold and include many different topics which are particularly emphasized in scientific sections of OR 2007.

More than 420 participants from 30 countries made this event very international and successful. The program consisted of three plenary, eleven semi-plenary and more than 300 contributed presentations, which had been organized in 18 sections. During the conference, the GOR Dissertation and Diploma Prizes were awarded. We congratulate all winners, especially Professor Wolfgang Domschke from the Darmstadt University of Technology, on receiving the GOR Scientific Prize Award.

Due to a limited number of pages available for the proceedings volume and the ambition to compile only high quality papers, the length of each contribution as well as the total number of accepted papers had to be restricted. Submitted manuscripts have therefore been reviewed by the section chairs and 77 of them have been accepted for publication. These contributions represent a wide portfolio chosen from the comprehensive spectrum of Operations Research in theoretical research as well as practical experience. We would like to thank all participants

of the conference for submitting high quality manuscripts for the proceedings. Our thanks also go to the section chairs for their support in acquiring interesting contributions and their reviewing work.

Various persons and organizations contributed to the great success of the conference. We would like to thank the GOR-board and Bärbel Niedzwetzki from the GOR administrative office for the uncomplicated and constructive collaboration as well as our sponsors for their support. Our thanks also go to the members of the program and organization committees of the congress. Furthermore, we are grateful to all speakers from Germany and from all over the world for their active participation and to the section chairs as well as to the session chairs for their professional moderation of the interesting talks and discussions.

Moreover, we express our special thanks to Dipl.-Kffr. Ursula-Anna Schmidt, Dipl.-Math. oec. Sebastian Velten, Dipl.-Kfm. Hans-Peter Ziegler, and Karin Hunsicker for their excellent job before, during and after the congress. Finally, we would like to thank Stefanie Schweitzer and Lisa Scheer for their help in compiling this proceedings volume as well as Barbara Feß and Barbara Karg from Springer-Verlag for their support concerning its publication.

Saarbrücken,
December 2007

Jörg Kalcsics
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