

Operations Research Proceedings 1996 Selected Papers Of The Symposium On Operations Research Sor 9

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Explore the cutting-edge developments in the field with the Operations Research Proceedings 1996. This collection features a curated selection of papers from the prestigious Symposium on Operations Research (SOR 9), offering profound insights and significant research findings from leading experts in operations research during that pivotal year.

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Operations Research Proceedings 1996

The volume contains a selection of manuscripts of lectures presented at the International Symposium on Operations Research (SOR 96). The Symposium took place at the Technical University of Braunschweig, September 3-6, 1996. SOR 96 was organized under the auspices of the two German societies of Operations Research, Deutsche Gesellschaft für Operations Research (DGOR) and Gesellschaft für Mathematik, Ökonomie und Operations Research (GMOOR) in cooperation with the Working Group Discrete Optimization of the IFIP (WG7.4). Since 1995, DGOR and GMOOR jointly prepare the Symposium as a common annual conference. In particular, the annual general meetings of the DGOR, the GMOOR and the WG7.4 took place during the conference. The Symposium had 527 participants from 32 countries around the world, including 92 participants from Eastern Europe. The Symposium obviously attracts an international audience of workers fully covering the broad spectrum of Operations Research and related areas in economics, mathematics and computer science. The importance of a highly interdisciplinary field as Operations Research is increasing owing to the growth in applications in related disciplines. Technological advances in computer science and algorithmic mathematics are crucial for attacking the great challenges waiting in the areas of applications of Operations Research effectively. As a participant of SOR 96 one could well observe the current pace of achievements. Many of these results are in these proceedings. The program consisted of two plenary, 17 semiplenary, and 335 contributed lectures in 18 sections.

Operations Research Proceedings 2000

This book contains selected papers of SOR'97, the annual joint meeting of the Deutsche Gesellschaft für Operations Research (DGOR) and the Gesellschaft für Mathematik, Ökonomie und Operations Research (GMOOR), held at the Friedrich-Schiller-Universität Jena from September 3-5, 1997. The 85

most innovative and scientifically most relevant contributed papers which were organized in 16 sections deal with diverse topics such as operations research, mathematics and statistics, business computing and economics. Seven sections are introduced by written versions of invited semiplenary lectures given by prominent representatives of their fields.

Operations Research Proceedings 1997

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.

Operations Research Proceedings 2007

This proceedings volume contains a selection of 85 papers presented at the Symposium on Operations Research (OR 2000), the Annual Conference of the German Operations Research Society (GOR), that was held at the Dresden University of Technology, September 9 -12, 2000. The contributions cover the broad interdisciplinary spectrum of Operations Research and present recent advances in theory, development of methods, and applications in practice. Subjects covered are Mathematical Optimization (continuous, discrete, combinatorial and stochastic), Simulation, Econometrics, Statistics and Mathematical Economics, Decision Theory, Game Theory, Finance, Banking and Insurance, Artificial Intelligence and Fuzzy Logic, Decision Support Systems, Production, Logistics and Supply Chain Management, Scheduling and Project Planning, Transport and Traffic, Energy and Environment, Marketing and Data Analysis and Didactics of Operations Research.

Operations Research Proceedings

This proceedings volume contains a selection of 87 papers presented at the Symposium on Operations Research (SOR 99) that was held at the Otto-von-Guericke-University of Magdeburg from September 1-3, 1999. The contributions cover developments in Mathematical Programming, Combinatorial Optimization, Graphs and Complexity, Control Theory, Stochastic Models and Optimization, Econometrics and Statistics, Mathematical Economics and Economic Theory, Game and Decision Theory, Experimental Economics, Artificial Intelligence, Neural Networks, and Fuzzy Systems, Information and Decision Support Systems, Finance, Banking, and Insurance, Scheduling and Project Planning, Transport and Traffic, Inventory and Logistics, Production, Marketing, Energy, Environment, and Health. In this broad field of subjects where Operations Research is applied both, most recent advances in theory and new successful applications to practice, are reported.

Operations Research Proceedings 1999

Das Buch enthält ausgewählte Vorträge, die anlässlich des Symposiums über Operations Research (SOR'95) in der Zeit vom 13.-15.9.1995 an der Universität Passau gehalten wurden. Der Leser erhält einen Einblick in neueste Forschungsergebnisse auf dem Gebiet des Operations Research. Der Sammelband demonstriert eindrucksvoll das weite Spektrum der vom Operations Research heute behandelten Thematiken. Neben primär methodischen Fragestellungen bilden praxisorientierte Themen wie Anwendungsberichte aus der Praxis, im Umweltschutz, der Logistik und Verkehrsplanung einen Schwerpunkt. Deutlich wird auch die Ausstrahlung des Operations Research in andere wissenschaftliche Disziplinen wie Informatik, Ökonomie und Wirtschaftsinformatik.

Operations Research Proceedings 1995

This proceedings volume contains a selection of papers presented at the OR 98 conference that was held at the Swiss Federal Institute of Technology (ETH) in Zurich from August 31-September 3, 1998. The selection of papers included in this volume reflects well the number of papers in the corresponding sections at the conference. Thus, we observe that the intellectual mainstream in Operations Research still is mathematical optimization and its application in logistics and transportation systems. In addition to these traditional areas the conference emphasized the potential contributions of Operations Research in the new, challenging area of system design and management in the liberalized energy and telecommunication markets.

Operations Research Proceedings 1998

This volume contains the proceedings of the 2001 International Conference on Operations Research (OR 2(01)) held at the Gerhard-Mercator-University Duisburg, September 3-5, 2001. OR 2001 was organized under the auspices of the German Society of Operations Research, Gesellschaft für Operations Research (GOR e. V.). The conference and the annual general meeting were attended by 360 participants from 20 countries. The presentation of 220 papers was organized in 15 sections. According to Duisburg as hosting city for this event OR 2001 emphasized on contributions of OR in the areas of energy, transport and traffic. The program consisted of 2 plenary lectures (Reinhard Selten and Jörg Hennerkes) and 15 invited semi-plenary lectures. 97 papers were submitted for publication. Following the advice of the section chairs the program committee decided to accept 59 papers for this volume. The selected manuscripts will be published also in electronic form on the World Wide Web at <http://www.uni-duisburg.de/or2001>. We want to thank all referees and authors for delivering their final manuscript in due time. We are also grateful to the other members of the local organizing committee and especially to Stefan Krebs, Corinna Schu and David Betge for the perfect conference management. Roland Düsing, Ralph Gollmer and Steffen Stock supported us in editing the abstracts and the final version of this proceeding volume. Last but not least thanks to all the assistants and student assistants for their operations on OR 2001 in Duisburg.

Operations Research Proceedings 2001

This volume contains a selection of papers referring to lectures presented at the symposium "Operations Research 2003" (OR03) held at the Ruprecht Karls-Universität Heidelberg, September 3 - 5, 2003. This international conference took place under the auspices of the German Operations Research Society (GOR) and of Dr. Erwin Teufel, prime minister of Baden-Württemberg. The symposium had about 500 participants from countries all over the world. It attracted academicians and practitioners working in various fields of Operations Research and provided them with the most recent advances in Operations Research and related areas in Economics, Mathematics, and Computer Science. The program consisted of 4 plenary and 13 semi-plenary talks and more than 300 contributed papers selected by the program committee to be presented in 17 sections. Due to a limited number of pages available for the proceedings volume, the length of each article as well as the total number of accepted contributions had to be restricted. Submitted manuscripts have therefore been reviewed and 62 of them have been selected for publication. This refereeing procedure has been strongly supported by the section chairmen and we would like to express our gratitude to them. Finally, we also would like to thank Dr. Werner Müller from Springer-Verlag for his support in publishing this proceedings volume.

Operations Research Proceedings 2003

This book includes a selection of refereed papers presented at the "Annual International Conference of the German Operations Research Society (OR2016)," which took place at the Helmut-Schmidt-Universität / Universität der Bundeswehr Hamburg, Germany, Aug. 30 - Sept. 2, 2016. Over 700 practitioners and academics from mathematics, computer science, business/economics, and related fields attended the conference. The scientific program included around 475 presentations on the theme Analytical Decision Making, focusing on the process of researching complex decision problems and devising effective solution methods towards better decisions. The book presents papers discussing classical mathematical optimization, statistics and simulation techniques. Such approaches are complemented by computer science methods and tools for the processing of data and the design and implementation of information systems. The book also examines recent advances in information technology, which allow big data volumes to be treated and enable real-time predictive and prescriptive business analytics to drive decisions and actions. Further, it includes problems modeled and treated under consideration of uncertainty, risk management, behavioral issues, and strategic decision situations.

Operations Research Proceedings 2016

This volume contains the proceedings of the workshop on Optimization Theory and Related Topics, held in memory of Dan Butnariu, from January 11-14, 2010, in Haifa, Israel. An active researcher in various fields of applied mathematics, Butnariu published over 80 papers. His extensive bibliography is included in this volume. The articles in this volume cover many different areas of Optimization Theory and its applications: maximal monotone operators, sensitivity estimates via Lyapunov functions, inverse Newton transforms, infinite-horizon Pontryagin principles, singular optimal control problems with state delays, descent methods for mixed variational inequalities, games on MV-algebras, ergodic convergence in subgradient optimization, applications to economics and technology planning, the exact penalty property in constrained optimization, nonsmooth inverse problems, Bregman distances, retraction methods in Banach spaces, and iterative methods for solving equilibrium problems. This volume will be of interest to both graduate students and research mathematicians.

Optimization Theory and Related Topics

This proceedings volume contains a selection of papers presented at the International Conference on Operations Research (SOR 2002). The contributions cover the broad interdisciplinary spectrum of Operations Research and present recent advances in theory, development of methods, and applications in practice. Subjects covered are Production, Logistics and Supply Chain Production, Marketing and Data Analysis, Transportation and Traffic, Scheduling and Project Management, Telecommunication and Information Technology, Energy and Environment, Public Economy, Health, Agriculture, Education, Banking, Finance, Insurance, Risk Management, Continuous Optimization, Discrete and Combinatorial Optimization, Stochastic and Dynamic Programming, Simulation, Control Theory, Systems Dynamics, Dynamic Games, Game Theory, Auctioning and Bidding, Experimental Economics, Econometrics, Statistics and Mathematical Economics, Fuzzy Logic, Multicriteria Decision Making, Decision Theory.

Operations Research Proceedings 2002

This book contains a selection of refereed papers presented at the "International Conference on Operations Research (OR 2014)"

Operations Research Proceedings

The international conference \Operations Research 2008\

Operations Research Proceedings 2014

This book gathers a selection of refereed papers presented at the "International Conference on Operations Research OR2015," which was held at the University of Vienna, Austria, September 1-4, 2015. Over 900 scientists and students from 50 countries attended this conference and presented more than 600 papers in parallel topic streams as well as special award sessions. Though the guiding theme of the conference was "Optimal Decision and Big Data," this volume also includes papers addressing practically all aspects of modern Operations Research.

Operations Research Proceedings 2008

This book contains a selection of refereed papers presented at the "International Conference on Operations Research (OR 2013)" which took place at Erasmus University Rotterdam September 3-6, 2013. The conference was jointly organized by the German and the Dutch OR Society. More than 800 scientists and students from over 50 countries attended OR 2013 and presented more than 600 papers in parallel topical streams, as well as special award sessions. The theme of the conference and its proceedings is "Impact on People, Business and Society".

Operations Research Proceedings 2015

This book contains a selection of refereed papers presented at the "International Conference on Operations Research (OR 2013)" which took place at Erasmus University Rotterdam September 3-6, 2013. The conference was jointly organized by the German and the Dutch OR Society. More than 800 scientists and students from over 50 countries attended OR 2013 and presented more than 600 papers in parallel topical streams, as well as special award sessions. The theme of the conference and its proceedings is "Impact on People, Business and Society".

Operations Research Proceedings 2013

These proceedings provide information on the most recent advances in operations research and related areas in economics, mathematics, and computer science, contributed by academics and practitioners from around the world.

Operations Research Proceedings 2013

This volume contains a selection of papers referring to lectures presented at the symposium Operations Research 2006 held at the University of Karlsruhe. The symposium presented the state of the art in Operations Research and related areas in Economics, Mathematics, and Computer Science and demonstrated the broad applicability of its core themes, placing particular emphasis on Basel II, one of the most topical challenges of Operations Research.

Operations Research Proceedings 2004

Since Additive Manufacturing (AM) techniques allow the manufacture of complex-shaped structures the combination of lightweight construction, topology optimization, and AM is of significant interest. Besides the established continuum topology optimization methods, less attention is paid to algorithm-driven optimization based on linear optimization, which can also be used for topology optimization of truss-like structures. To overcome this shortcoming, we combined linear optimization, Computer-Aided Design (CAD), numerical shape optimization, and numerical simulation into an algorithm-driven product design process for additively manufactured truss-like structures. With our Ansys SpaceClaim add-in constructor, which is capable of obtaining ready-for-machine-interpretation CAD data of truss-like structures out of raw mathematical optimization data, the high performance of (heuristic-based) optimization algorithms implemented in linear programming software is now available to the CAD community.

Operations Research Proceedings 2006

This book contains eleven chapters describing some of the most recent methodological operations research developments in transportation. It is structured around the main transportation modes, and each chapter is written by a group of well-recognized researchers. Because of the major impact of operations research methods in the field of air transportation over the past forty years, it is befitting to open the book with a chapter on airline operations management. This book will prove useful to researchers, students, and practitioners in transportation and will stimulate further research in this rich and fascinating area. Volume 14 examines transport and its relationship with operations and management science 11 chapters cover the most recent research developments in transportation Focuses on main transportation modes-air travel, automobile, public transit, maritime transport, and more

Bibliographie der Wirtschaftswissenschaften

This book contains selected papers from the symposium "Operations Research 2010" which was held from September 1-3, 2010 at the "Universität der Bundeswehr München\

Tutorials in Operations Research

A world list of books in the English language.

International Books in Print

This volume contains a selection of 128 papers presented in lectures during the international scientific symposium "Operations Research 2005" (OR 2005) held at the University of Bremen, September 7-9, 2005. This international conference took place under the auspices of the German Operations Research Society (GOR). The symposium had about 600 participants from countries all over the world. It attracted academics and practitioners working in various fields of Operations Research and provided them with the most recent advances in Operations Research as well as related areas in Economics, Mathematics, and Computer Science including the special interest streams Logistics and New Maritime Businesses. The program consisted of 3 plenary and 15 semi-plenary talks and about 400 contributed presentations selected by the program committee to be presented in 20 sections.

2008 Tutorials in Operations Research: State-of-the-Art Decision-Making Tools in the Information-Intensive Age

This book gathers a selection of refereed papers presented at the “International Conference on Operations Research OR2015,” which was held at the University of Vienna, Austria, September 1-4, 2015. Over 900 scientists and students from 50 countries attended this conference and presented more than 600 papers in parallel topic streams as well as special award sessions. Though the guiding theme of the conference was “Optimal Decision and Big Data,” this volume also includes papers addressing practically all aspects of modern Operations Research.

Index of Conference Proceedings

As technology advancement has increased, so to have computational applications for forecasting, modelling and trading financial markets and information, and practitioners are finding ever more complex solutions to financial challenges. Neural networking is a highly effective, trainable algorithmic approach which emulates certain aspects of human brain functions, and is used extensively in financial forecasting allowing for quick investment decision making. This book presents the most cutting-edge artificial intelligence (AI)/neural networking applications for markets, assets and other areas of finance. Split into four sections, the book first explores time series analysis for forecasting and trading across a range of assets, including derivatives, exchange traded funds, debt and equity instruments. This section will focus on pattern recognition, market timing models, forecasting and trading of financial time series. Section II provides insights into macro and microeconomics and how AI techniques could be used to better understand and predict economic variables. Section III focuses on corporate finance and credit analysis providing an insight into corporate structures and credit, and establishing a relationship between financial statement analysis and the influence of various financial scenarios. Section IV focuses on portfolio management, exploring applications for portfolio theory, asset allocation and optimization. This book also provides some of the latest research in the field of artificial intelligence and finance, and provides in-depth analysis and highly applicable tools and techniques for practitioners and researchers in this field.

Algorithm-Driven Truss Topology Optimization for Additive Manufacturing

This book constitutes revised selected papers from the 6th International Conference on Operations Research and Enterprise Systems, ICORES 2017, held in Porto, Portugal, in February 2017. The 15 papers presented in this volume were carefully reviewed and selected from a total of 90 submissions. They are organized in topical sections named: methodologies and technologies; and applications.

Handbooks in Operations Research and Management Science: Transportation

This book contains the best papers of the 9th International Conference on Enterprise Information Systems (ICEIS 2007), held in the city of Funchal, Madeira (Portugal), organized by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC) and the University of Madeira, in collaboration with ACM/SIGMIS and AAI. Furthermore, the conference was sponsored by the Portuguese Foundation for Science and Technology (FCT). ICEIS has become a major point of contact between research scientists, engineers and practitioners in the area of business applications of information systems. This year, five simultaneous tracks were held, covering different aspects related to enterprise computing, including: “Databases and Information Systems Integration,” “Artificial Intelligence and Decision Support Systems,” “Information Systems Analysis and Specification,” “Software Agents and Internet Computing” and “Human–Computer Interaction”. All tracks focused on real-world applications and highlighted benefits of information systems and technology for industry and services, thus making a bridge between academia and enterprise. Following the success of 2006, ICEIS 2007 received 644 paper submissions from more than 40 countries. In all, 72 papers were published and presented as full papers, i.e., completed work (8 pages in proceedings / 30-min oral presentations), 198 papers, reflecting work-in-progress or position papers, were accepted for short presentation and another 131 for poster presentation.

Bibliographie der Staats-und Wirtschaftswissenschaften

This book constitutes the thoroughly refereed post-proceedings of the 7th International Conference on Artificial Evolution, EA 2005, held in Lille, France, in October 2005. The 26 revised full papers presented were carefully reviewed and selected from 78 submissions. The papers cover all aspects of artificial evolution: genetic programming, machine learning, combinatorial optimization, co-evolution, self-assembling, artificial life and bioinformatics.

Operations Research Proceedings 2010

"This book is a collection of the latest developments, models, and applications within the transdisciplinary fields related to metaheuristic computing, providing readers with insight into a wide range of topics such as genetic algorithms, differential evolution, and ant colony optimization"--Provided by publisher.

The Cumulative Book Index

Operations Research Proceedings 2005