

Lecture Notes in Economics and Mathematical Systems

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A. Lewandowski I. Stanchev (Eds.)

Methodology and Software for Interactive Decision Support

Proceedings, Albena, Bulgaria, 1987

Methodology And Software For Interactive Decision Support

Andrzej Lewandowski, Ivan Stanchev



Methodology And Software For Interactive Decision Support:

Methodology and Software for Interactive Decision Support Andrzej Lewandowski,Ivan Stanchev,2013-06-29 These Proceedings report the scientific results of an International Workshop on Methodology and Software for Interactive Decision Support organized jointly by the System and Decision Sciences Program of the International Institute for Applied Systems Analysis nASA located in Laxenburg Austria and The National Committee for Applied Systems Analysis and Management in Bulgaria Several other Bulgarian institutions sponsored the Workshop The Committee for Science to the Council of Ministers The State Committee for Research and Technology and The Bulgarian Industrial Association The workshop was held in Albena on the Black Sea coast More than 80 scientists from 15 countries attended the workshop 50 lectures were presented and 17 computer demonstration sessions took place This Workshop is one of a series of meetings organized by nASA with the collaboration of scientific institutions from the National Member Organization countries The previous meetings took place in Austria 1983 Hungary 1984 and the German Democratic Republic 1985 All proceedings of these meetings have been published by Springer Verlag in the series *Lecture Notes in Economics and Mathematical Systems* Methodology, Implementation and Applications of Decision Support Systems A. Lewandowski,P. Serafini,M.G. Speranza,2014-05-04 The book aims at giving the methodological framework for design decision support systems Several applications are also described in detail ranging from environment control production planning transportation planning The book is of special interest to operations researchers environment specialists production planners and transportation engineers *Large-Scale Modelling and Interactive Decision Analysis* Günter Fandel,Manfred Grauer,Alexander Kurzhanski,Andrzej P. Wierzbicki,2013-06-29 These Proceedings report the scientific results of an International Workshop on Large Scale Modelling and Interactive Decision Analysis organized Jointly by the System and Decision Sciences Program of the International Institute for Applied Systems Analysis IIASA located in Laxenburg Austria and the Institute for Informatics of the Academy of Sciences of the GDR located in Berlin GDR The Workshop was held at a historically well known place the Wartburg Castle near Eisenach GDR Here Martin Luther translated the Bible into German More than fifty scientists representing thirteen countries participated This Workshop is one of a series of meetings organized by or In collaboration with IIASA about which two of the *Lecture Notes In Economics and Mathematical Systems* have already reported Vol 229 and Vol 246 This time the aim of the meeting was to discuss methodological and practical problems associated with the modelling of large scale systems and new approaches In interactive decision analysis based on advanced information processing systems

Multi-objective Group Decision Making: Methods Software And Applications With Fuzzy Set Techniques (With Cd-rom) Guang-quan Zhang, Da Ruan, Jie Lu, Fengjie Wu, 2007-05-10 This book proposes a set of models to describe fuzzy multi objective decision making MODM fuzzy multi criteria decision making MCDM fuzzy group decision making GDM and fuzzy multi objective group decision making problems respectively It also gives a set of related methods including algorithms

to solve these problems One distinguishing feature of this book is that it provides two decision support systems software for readers to apply these proposed methods A set of real world applications and some new directions in this area are then described to further instruct readers how to use these methods and software in their practice a Handbook of Cancer Survivorship Feuerstein Michael,2008-11-01 Not long ago a cancer diagnosis was regarded as an automatic death sentence today there are ten million survivors Equally impressive is the growing number of clinicians and researchers dedicated to improving the quality of survivors lives and care Yet despite this encouraging picture there has never been a reliable central source for relevant clinical information until now This book written by a cancer survivor and sixty other top scientist practitioners responds to the diverse needs of survivors and their support communities by comprehensively addressing the major issues in the field from the burden of survivorship to secondary prevention **An Interactive Multiobjective Decision Support Framework for Transportation Investment** Mashrur A. Chowdhury,Paulin Tan,2002 **Multiple Criteria Decision Support** Pekka Korhonen,1997 *Tools for Making Acute Risk Decisions* ,1994-08-15 The complexity of today s risk decisions is well known Beyond cost and risk there are many other factors contributing to these decisions including type of risk such as human injury or fatality the economic impact on the local community profitability availability of capital alternatives for reducing or eliminating the risk costs of implementing alternatives codes standards regulation and good industry practice This book presents a large range of decision aids for risk analysts and decision makers in industry so that vital decisions can be made in a more consistent logical and rigorous manner Though primarily aimed at the process industry this book can be used by anyone who makes similar decisions in other industries including those in management science **Bericht** Jyväskylän yliopisto. Matematiikan laitos,1994 User-oriented Methodology and Techniques of Decision Analysis and Support Jaap Wessels,International Institute for Applied Systems Analysis,1993 This book presents selected papers from an international workshop devoted to the theory techniques and tools of decision analysis and support Major trends in the development of this field are stressed such as the tendency to place the final user of a decision support system in the center of attention or an emerging connection between tools and software environments for modeling and for decision support The volume is a continuation of the reports on earlier meetings which were published in the same series Mathematical and Control Applications in Agriculture and Horticulture Yasushi Hashimoto,W. Day,1991-08-30 This title provides a general overview of recent developments and research into types of systems and their uses in the agricultural and horticultural industry 64 papers are included containing both theoretical models and applied examples for greenhouse systems harvesting technology and plant factory systems Simulation and Optimization Methods in Risk and Reliability Theory Pavel Solomonovich Knopov,Panos M. Pardalos,2009 This book introduces recent advances in the area of risk estimation in complex systems The authors study new methods of accelerated modelling asymptotical analysis and optimal estimating The processes are modelled using large failure trees the methodology of fuzzy sets bayesians methods of

stochastic optimisation and optimal models of equipment service and control The authors suggest applying numerical methods for analysis of super large failure trees having large amount of multiple vertices The methods allow finding minimal sections and reducing the amount of time necessary for such calculations The Bayesian's theory is applied under conditions of uncertainty The methods of finding robust parameter estimates for the most commonly used classes of a priori distribution functions are suggested As an alternative approach to stochastic methods the authors propose the algorithms of critical states estimation for the reactor's active zone that utilise the theory of fuzzy logic

Interface Between Information Systems and Operations Research, 1997

Symposium on Designing Interactive Systems Gary M. Olson, Sue Schuon, 1995

Plural Rationality and Interactive Decision Processes M. Grauer, Michael Thompson, Andrzej Wierzbicki, A. P. Wierzbicki, 1985

Index of Conference Proceedings, 1990

Decision Support Systems and Electronic Commerce, 2002-05

Implementing Interactive Multiple Criteria Decision Methods in Public Policy Hannele Wallenius, 1991

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