

TABLE OF CONTENTS

Modelling and Strong Linear Programs for Mixed Integer Programming <i>Ellis Johnson</i>	1
Advances in Nonlinear Network Models and Algorithms <i>John M. Mulvey</i>	45
Mathematical Programming as an Intellectual Activity <i>A.H.G. Rinnooy Kan</i>	73
The Aggregation Principle in Scenario Analysis and Stochastic Optimization <i>Roger J-B Wets</i>	91
Methods for Large-scale Linear Programming <i>Walter Murray</i>	115
EXTENDED ABSTRACTS	139
Resource Constrained Assignment Problems <i>R. Aboudi & K. Jörnsten</i>	141
The Resource Constrained Spanning Tree Problem: Alternative Modelling and Algorithmic Approaches <i>J. Barcelo, K. Jörnsten & Sakis Migdalas</i>	142
Constructive Dual Methods for Non-Linear Discrete Programming Problems <i>P. Bärclia & J.D. Coelho</i>	144
A Decomposition Based Procedure for Production Scheduling in Job-Shops with Negligible Setup Times <i>Omer S. Benli</i>	145
An Example of a Declarative Approach to Model Creation <i>Iain Buchanan & K.I.M. McKinnon</i>	147
Optimal Solution of the Local Delivery Problem through Minimum K-trees <i>Marshall L. Fisher</i>	149
AMPL: A Mathematical Programming Language <i>R. Fourer, D.M. Gay & B. Kernighan</i>	150
Multiperiod Linear Stochastic Programming and a Forestry Application <i>Gus Gassmann</i>	152

A Multi-Period Network Design Problem: Model and Solution Techniques <i>Åsa Hallefjord</i>	155
Finite-Dimensional Variational and Quasivariational Inequalities: Algorithmic Developments and Applications in Socio-Economic Planning <i>Patrick T. Harker</i>	157
Stochastic Equilibrium Programming for Dynamic Oligopolistic Markets <i>A. Haurie, Y. Smeers & G. Zaccour</i>	158
A Dynamic Approach to Oligopolistic Market Equilibrium <i>Adi Ben-Israel & Sjur D. Flåm</i>	160
Estimated Parameters in Mathematical Programming; Modelling and Statistical Issues <i>Alan J. King</i>	161
Modelling for Parallel Optimization <i>Robert R. Meyer</i>	162
Long-Term Hydro-Thermal Coordination of Electricity Generation through Multicommodity Network Flows <i>Narcis Nabona</i>	163
Equilibration Operators for the Solution of Constrained Matrix Problem <i>A. Nagurney & A.G. Robinson</i>	165
A General Dynamic Network Spatial Price Equilibrium Model with Gains and Losses <i>Anna Nagurney</i>	167
Incorporating the Concept of Internal Rate of Return in Linear and Integer Programming Models <i>Robert M. Nauss</i>	169
Procedures for Solving Bottleneck Generalized Assignment Problems <i>Alan W. Neebe & Joseph B. Mazzola</i>	170
Weighted Matching in Chess Tournaments <i>Snjolfur Olafsson</i>	172
Decentralized Optimization for Structured Linear Programming Models <i>Cornelis van de Panne</i>	174
Transport Planning in Airborne Operations <i>Adir Pridor</i>	177
A Hierarchical Approach to the Placement Problem <i>Maria Rosália Dinis Rodrigues</i>	178

Optimisation of Oil Depletion Strategy to Satisfy Long-Term Objectives <i>R.V. Simons</i>	179
Approaches to Optimizing Fuel Consumption in Cars <i>Emilio Spedicato</i>	180
Equilibrium Definitions in Simulated Annealing: A Computational Experiment <i>Karl Spälti</i>	182
Decomposition in Integer Programming <i>Jørgen Tind</i>	184
Computational Geometry and Low Dimensional Linear Programs <i>Henry Wolkowicz & Adi Ben-Israel</i>	185
LIST OF ADDRESSES	187