

# Thursday, January 18, 1996

8:30-9:15	<i>Registration</i>			
9:15-9:30	<i>Welcoming Address by the Congress Chairman</i>			
9:30-10:15	Plenary Session: Prof. F. Maffioli (Politecnico di Milano, Italia)  <i>Approximability of Non-Deterministic Polynomial (NPO) - problems</i>			
10:15-10:45	<i>Break - Software and Book Exhibition</i>			
10:45-12:15	<b>A1: ROUTING</b>  T. Lotan (ULB), D. Cattrysse (KUL), D. Van Oudheusden (KUL) Winter Gritting in the Province of Antwerp - a Combined Location and Routing Problem  A. Van Breedam (RUCA) Vehicle Routing : Bridging the Gap Between Theory and Practice  D. Cattrysse (KUL) Container Transport : a Case Study	<b>B1: SCHEDULING AND SEQUENCING</b>  I. Sarrazin (Univ. Mons-Hainaut) Implicit Linear Programming and Shift Scheduling Problems  H. El Maqrini (FPMs) Scheduling Complex Flexible Job Shop Problems  D. Van Oudheusden, T. Van Elst (KUL) Sequencing Dual Command Cycles in AS/RS Systems	<b>C1: QUEUEING</b>  J. Loris-Teghem (Univ. Mons-Hainaut) On the Waiting Time Process in the Queueing System GI/PH/2  V. Rakotondrabe, J. Real (ULB) Decomposition in Queueing Networks  K. Topolski (Wroclaw Univ.) Limit Theorems for the Difference of Queueing Networks Processes in Heavy Traffic	<b>D1: AI AND LOGIC</b>  H. Drias, A. Bensalma (USTHB, Alger) On the Average Number of Solutions for Instances of Satisfiability  D. Van Heule (KMS-ERM) Automated Theorem Proving and its Applications  E. Pichon, R. Bisdorff, J.P. Barthelemy (C.R.P. Centre Univ., Luxembourg) A Cognitive Approach for Specification of Actions : Applications to a Complex Industrial Scheduling Problem
12:20-14:20	<i>Reception and Lunch</i>			
14:25-15:00	SOGESCI - B.V.W.B. PRIZE			
15:00-15:45	Plenary Session: Prof. G. Zülch (Universität Karlsruhe, Deutschland)  <i>A Heuristic Solution to the Personnel Structure Problem</i>			
15:45-16:00	<i>Short Break - Software and Book Exhibition</i>			
16:00-17:30	<b>A2: MCDM</b>  J.P. Brans (VUB) Recent Advances in the Promethee-Gaia Multicriteria Decision Support System  C. Macharis, J.P. Brans (VUB), B. Mareschal (ULB) 2-Stage Group Decision Support : an Extension of the Promethee and Gaia Methods  Ph. De Beir, J. Leysen (KMS-ERM), H. Pastijn (AIT Bangkok) An Implementation of the Oreste Method Using an AI Based Approach	<b>B2: OPTIMIZATION MODELS</b>  H. M'Hand (Univ. Paris), R. Ouafi (USTHB, Alger) Best-First Search and Dynamic Programming Methods for General (non) Staged Cutting  D. Van Oudheusden, P. Beullens (KUL) A Combined Lot Sizing/Cutting and Packing Algorithm  P. Peeters (VUB) New Algorithms for the Quickest Path Problems	<b>C2: INTEGER PROGRAMMING</b>  D. Cattrysse, Z. Degraeve, J. Tistaert (KUL) A Polyhedral Approach to the Generalized Assignment Problem  R. Ashford, R. Daniel (Dash Associates), D. Homeister (Univ. Heidelberg) Parallel Mixed Integer Programming : the XPRESS-MP Experience  J.A.M. Schreuder, A. J. Visscher (Univ. Twente) Timetabling in Dutch Secondary Schools : the Problem and the Strategy to Tackle it	
19:00	<i>Conference Dinner</i>			

# Friday, January 19, 1996

9:30-10:15	Plenary Session: Prof. J.K. Lenstra (T. U. Eindhoven)  <i>Developments in Combinatorial Optimization</i>			
10:15-10:45	<i>Break - Software and Book Exhibition</i>			
10:45-12:15	<b>A3 : STOCHASTIC MODELS</b>  M.A. Remiche (ULB) First Passage-Times in a QBD Process  Ph. Carette (VUB) Modelling Hierarchical Systems by a Continuous-Time Stationary Markov Chain Using Two-Wave Panel Data  M.A. Guerry (VUB) The Trade of Attainability of Structures in Manpower Systems	<b>B3 : APPLIED STATISTICS</b>  C. Vanderhoeft, H. Steyaert, F. Van Parys (VUB) Non-Linear Regression Models for Grouped Survival Data in GLIM4  J.L. Guerrero (Georgetown Univ., Washington) Information Theory and Finance : Analysis of Stock Returns  G. Verrept (CKZ, Antwerpen) Evaluation of Performance Indicators with the Aid of Binomial Probability Paper	<b>C3 : OPTIMIZATION</b>  D. De Wolf (ULB), Y. Smeers (UCL) Mathematical Properties of Formulations of the Gas Transmission Problem  A. Sartenaer (FUNDP) On the Size of the Initial Trust Region in Trust Region Methods for Nonlinear Optimization  Y. Crama (ULg), T. Ibaraki (Kyoto Univ.) Hitting of Avoiding Balls in Euclidean Space	<b>D2 : PREFERENCE MODELLING</b>  J. Fodor (Univ. Budapest), J.L. Marichal (ULg) On Nonstrict Means  M. Pirlot (FPMs), P. Vincke (ULB) A General Frameworks Based on Semiordeers for the Aggregation Phase in Multicriteria Decision Methods  R. Bisdorff (CRP Centre Univ. Luxemb.), M. Roubens (ULg) On Computing Kernels from L-valued Binary Relations
12:30-14:00	<i>Lunch</i>			
14:10-15:10	<b>A4 : CLASSIFICATION</b>  A. Hardy (FUNDP) A Likelihood Ratio Test for the Validation of a Classification  T. Kubushishi (FUNDP) How to Measure the Validity of the Clusters with the Gap Test ?	<b>B4 : QUALITY</b>  J. Devos (VUB, NFWO) I.S.O.-Certification in Belgium and the Netherlands : a Comparative Analysis  J. Verelst, A. De Beuckelaer (RUCA) A Conceptual Famework for Building and Evaluating Measurement Models in MIS Research	<b>C4 : PREFERENCE MODELLING</b>  T. Marchant (ULB) Cardinal Properties of the Borda Score  S.A. Zahaf, A. Moncef (USTHD, Alger) How to Use a Branch and Bound Method to the Adjustment Problem of a Preference Structure	<b>D3 : METAHEURISTICS</b>  E.L. Ulungu, J. Teghem, C. Ost (FPMs) Nuclear Fuel Manufacturing Through an Interactive Multi-Objective Simulated Annealing Heuristic  H.A.J. Crauwels (Inst. De Naeyer), L.N. Van Wassenhove (INSEAD) Neighbourhood Search Heuristics for Minimizing the Number of Late Jobs on a Single Machine with Family Set-up Times
15:10-15:30	<i>Short Break</i>			
15:30-16:30	<b>A5 : SIMULATION</b>  R. De Smet, T. Martens (KUL) Simulation of the Logistical Flow in a Truck Cabin Production Line  H. Vanmaele, R. Van Landeghem(RUG) The Integration of Optimization Paradigms and Simulation Practice in Industrial Management	<b>B5 : FUZZY SETS</b>  P. Fortemps (FPMs) Flexible Constraint Satisfaction Problem : Building of an Optimal Solution for the Leximin Order  P. Fonck, N. Leclercq (ULg) Fuzzy Control Procedures, with an Application to the Regulation of a Multizone Finance	<b>C5 : NETWORKS</b>  E. Manzi, M. Labbé, G. Latouche (ULB), F. Maffioli (Politec., Milano) A Monte Carlo Algorithm Based on Bounds for Estimating Networks Reliability  B. Fortz, M. Labbé (ULB), F. Maffioli (Politec., Milano) Heuristics for Designing Reliable Telecommunication Networks	