

**Conference schedule**

<b>Wednesday, September 24, 2008.</b>	<b>Thursday, September 25, 2008.</b>	<b>Friday, September 26, 2008.</b>
<b>8:00 – 9:00 Registration</b>	<b>8:30 – 9:00 Registration</b>	<b>8:30 – 9:00 Registration</b>
<b>9:00 – 9:30 Opening ceremony</b>	<b>9:00 – 10:00 Plenary session</b>	<b>9:00 – 10:00 Plenary session</b>
<b>9:45 – 10:45 Plenary session</b>	<b>10:10 – 11:10 Work in two parallel sessions</b>	<b>10:10 – 11:30 Work in two parallel sessions</b>
<b>10:45 – 11:15 Coffee break</b>	<b>11:10 – 11:30 Coffee break</b>	<b>11:30 – 11:45 Coffee break</b>
<b>11:15 – 12:35 Work in two parallel sessions</b>	<b>11:30 – 12:30 Work in two parallel sessions</b>	<b>11:45 – 12:45 Plenary session</b>
<b>12:35 – 14:15 Pause</b>	<b>12:30 – 14:00 Pause</b>	<b>12:45 – 13:15 Conference closing</b>
<b>14:15 – 15:15 Plenary session</b>	<b>14:00 – Excursion</b>	
<b>15:25 – 16:45 Work in two parallel sessions</b>		
<b>16:45 – 17:00 Coffee break</b>		
<b>17:00 – 18:00 Work in two parallel sessions</b>		
<b>18:10 – 19:10 Annual meeting of CRORS</b>		

**Wednesday, September 24, 2008.**

8:00 – 9:00 Registration

**Room 1.**

9:00 – 9:30 Opening ceremony

9:45 – 10:45 **Plenary session** **Chair: Luka Neralić****Rajiv Banker:** *DATA ENVELOPMENT ANALYSIS*

10:45 – 11:15 Coffee break

11:15 – 12:35 Work in two parallel sessions (15 min. for presentation + 5 min. for discussion)

**Room 1.****Combinatorial and Discrete Optimization** **Chair: P. Greistorfer**  
**Integer Programming****T. Kramberger, G. Štrubelj, J. Žerovnik:** *THREE HEURISTICS FOR THE CHINESE POSTMAN PROBLEM WITH PRIORITY NODES - EXPERIMENTAL COMPARISON***I. Pesek, J. Žerovnik:** *NEW HEURISTIC FOR ORIENTED NETWORK DESIGN PROBLEM***S. Fadda:** *IMPROVEMENT OF BINARY INTEGER PROGRAMMING THROUGH EMPLOYMENT OF THE BOOLEAN ALGEBRA LOGIC***E. Taillard, P. Greistorfer:** *EXPLOITING THE VICINITY OF QAP-SOLUTIONS***Room 2.****Data Envelopment Analysis** **Chair: Markus Glawischnig****D. Hunjet, L. Neralić, I. Turčić:** *IDUSTRIAL EFFICIENCY ASSESSMENT OF THE COUNTIES OF THE REPUBLIC OF CROATIA***S. Bandyopadhyay:** *REGULATION, TECHNICAL EFFICIENCY AND ITS DETERMINANTS: EVIDENCE FROM INDIAN CEMENT INDUSTRY***M. Khodabakhshi, S. Li:** *AN OUTPUT ORIENTED SUPER-EFFICIENCY MEASURE IN STOCHASTIC DATA ENVELOPMENT ANALYSIS***M. Glawischnig, M. Sommersguter-Reichmann:** *ASSESSING THE PERFORMANCE OF ALTERNATIVE INVESTMENTS USING NON-PARAMETRIC EFFICIENCY MEASUREMENT APPROACHES: IS IT CONVINCING?*

12:35-14:15 Pause

**Wednesday, September 24, 2008.****Room 1.**

14:15 – 15:15

**Plenary session****Chair: Dragan Jukić**

**Aharon Ben-Tal:** *ROBUST SOLUTIONS OF UNCERTAINTY AFFECTED CONIC OPTIMIZATION PROBLEMS*

15:25 – 16:45

Work in two parallel sessions (15 min. for presentation + 5 min. for discussion)

**Room 1.****Stochastic Models and Optimization****Chair: Zdravka Aljinović**

**Z. Boussaha, N. Djellab, L. Boutarfa:** *ON THE DIFFERENT RETRIAL POLICIES*

**D. Marković, D. Jukić:** *A REVIEW OF SOME EXISTENCE RESULTS ON PARAMETER ESTIMATION PROBLEM IN THE THREE-PARAMETER WEIBULL MODEL*

**L. Boutarfa, N. Djellab, Z. Boussaha:** *CLASSICAL AND RETRIAL QUEUEING SYSTEMS WITH PRIORITY CALLS*

**Z. Aljinović, B. Marasović, B. Škrabić:** *INTEREST RATES IN CROATIA - TERM STRUCTURE AND THE INFLUENCE OF ECONOMIC EVENTS*

**Room 2.****Banking, Finance, Insurance****Chair: Claudia Fink****Macroeconomics, Economic Theory, Games**

**V. Rupnik:** *A CRITICAL NOTE ON CONTROLLABILITY AND PREDICTIBILITY OF ECONOMIC SYSTEMS*

**M. Mastinšek:** *HEDGING AND THE MEAN ABSOLUTE RETURN*

**D. Mojsinović:** *EVALUATING LOYALTY PROGRAM IN A RETAIL COMPANY USING MARKOV ANALYSIS*

**C. Fink:** *ASYMMETRIC INFORMATION AND INCENTIVE COMPATIBILITY IN SEQUENTIAL INVESTMENT*

16:45 – 17:00

Coffee break

**Wednesday, September 24, 2008.**

17:00 – 18:00 Work in two parallel sessions (15 min. for presentation + 5 min. for discussion)

**Room 1.**

**Practical OR and Applications**

**Chair: Rudolf Scitovski**

**Kralik, K. Sabo, R. Scitovski, I. Vazler:** *SOLVING PARAMETER IDENTIFICATION PROBLEM BY THE MOVING LEAST ABSOLUTE DEVIATIONS METHOD*

**G. Kušec, I. Kuzmanović, K. Sabo, R. Scitovski:** *A NEW METHOD FOR SEARCHING AN  $L_1$  SOLUTION OF AN OVERDETERMINED SYSTEM OF LINEAR EQUATIONS AND APPLICATIONS*

**G. Reichmann, M. Sommersguter-Reichmann:** *APPROPRIATE SKILLS OF FIRST-YEAR BUSINESS ADMINISTRATION STUDENTS: AN EMPIRICAL INVESTIGATION*

**Room 2.**

**Information and Decision Support Systems**

**Chair: J. Vrbka**

**Z. Babić, J. Vidović, T. Kokan:** *INVESTMENT FUNDS EVALUATION MODEL*

**M. Gavalec, K. Mls:** *TREND EVALUATION IN ON-LINE DECISION MAKING*

**J. Vrbka, B. Dalbelo Bašić:** *DECISION TREE CONSTRUCTION BASED ON ROUGH SETS THEORY*

18:10 – 19:10 Annual meeting of CRORS – Room 1

**Thursday, September 25, 2008.****Room 1.**9:00 – 10:00 **Plenary session****Chair: Zoran Babić****Roman Slowinski:** *ROUGH SET APPROACH TO KNOWLEDGE DISCOVERY ABOUT PREFERENCES*

10:10 – 11:10 Work in two parallel sessions (15 min. for presentation + 5 min. for discussion)

**Room 1.****Multi-objective Programming****Chair: Branka Marasović****Lj. Vidučić, V. Vojvodić Rosenzweig, H. Volarević:** *MULTI-CRITERIA DECISION-MAKING MODEL DESIGN FOR EFFICIENT SELECTION OF INVESTMENT PROJECTS***L. Zadnik Stirn, P. Grošelj:** *AHP AND ANP APPROACH BASED ON BOCR FOR WEIGHTING INTERDEPENDENT CRITERIA IN NATURAL RESOURCE MANAGEMENT***T. Perić, Z. Babić, B. Marasović:** *MULTIOBJECTIVE OPTIMIZATION IN THE PRODUCTION PLANNING PROBLEM***Room 2.****Linear and Non-linear Programming  
Simulation****Chair: Janez Povh****A. Domitrović, V. Vojvodić Rosenzweig, E. Bazianac:** *OPTIMAL REPLACEMENT OF AIRCRAFT JET ENGINE MODULES***M. Benšić, D. Jankov:** *PARAMETER ESTIMATION FOR A THREE-PARAMETER WEIBULL DISTRIBUTION – A COMPARATIVE STUDY***J. Povh:** *NCSOSTOOLS FOR SOHS DECOMPOSITIONS OF NON-COMMUTATIVE POLYNOMIALS*

11:10 – 11:30 Coffee break

**Thursday, September 25, 2008.**

11.30 – 12.30 Work in two parallel sessions (15 min. for presentation + 5 min. for discussion)

**Room 1.****Control Theory****Chair: Lado Lenart****M. Bogataj, L. Bogataj:** *DIFFERENTIAL LAND RENT OF ACTIVITY CELLS IN REVERSE LOGISTICS***L. Bogataj, M. Bogataj:** *SENSITIVITY ANALYSIS OF SUPPLY CHAIN LOGISTICS IN TIME DOMAIN IN CASE OF ROBUST PERTURBATIONS***L. Lenart, J. Babič, J. Kušar:** *DIRECT ALGORITHMS IN OPTIMAL PATH CONTROL – LOCAL VARIATIONS METHOD***Room 2.****Information and Decision Support Systems****Chair: Robert Zenzerović****S. Drobne, A. Lisec, T. Žaucer:** *GIS-BASED MULTI-CRITERIA ANALYSIS IN SPATIAL PLANNING***M. Ayman Boujelben, Y. De Smet, A. Frikha, H. Chabchoub:** *BUILDING A BINARY OUTRANKING RELATION IN UNCERTAIN IMPRECISE AND MULTI-EXPERTS CONTEXTS: THE APPLICATION OF EVIDENCE THEORY***Z. Babič, I. Pervan, R. Zenzerović:** *DESIGNING THE MODEL OF CALCULATING THE AUDIT FEE WITH USAGE OF CASE BASED REASONING (CBR) AND ANALYTICAL HIERARCHICAL PROCESS (AHP)*

12:30 – 14:00 Break

14:00 - EXCURSION

**Friday, September 26, 2008.****Room 1.**

9:00 – 10:00

**Plenary session****Chair: Martin Gavalec**

**Vesna Čančer:** *A FRAME PROCEDURE FOR MULTI-CRITERIA DECISION-MAKING: FORMULATION AND APPLICATIONS*

10:10 – 11:30

Work in two parallel sessions (15 min. for presentation + 5 min. for discussion)

**Room 1.****Statistics and Econometrics****Chair: Vlasta Bahovec****Macroeconomics, Economic Theory, Games**

**M. Čižmešija, P. Sorić:** *ECONOMIC SENTIMENT INDICATOR AS A PREDICTOR OF GDP COMPONENTS: SOME EMPIRICAL EVIDENCE FROM CROATIA*

**Z. Lukač, I. Vrankić:** *PRODUCTION PLANNING PROBLEM WITH INEXACT CUSTOMER DEMAND AS A LINEAR BILEVEL MULTIPLE FOLLOWER PROBLEM*

**Z. Aljinović, S. Pivac:** *THE TIME PATH OF INFLATION AND UNEMPLOYMENT IN CROATIA*

**V. Bahovec, M. Čižmešija, N. Kurnoga Živadinović:** *BUSINESS CLIMATE INDICATOR – NEW COMPOSITE INDICATOR IN CROATIA'S BUSINESS SURVEY*

**Room 2.****Neural Networks and Fuzzy System****Chair: Marijana Zekić-Sušac**

**D. Ponce, A. Bodnarova:** *EDGE-MATCHING AS OPTIMIZATION PROBLEM SOLVED BY COMPUTATIONAL INTELLIGENCE METHODS*

**M. Zekić-Sušac, N. Šarlija, M. Benšić:** *INSOLVENCY PREDICTION BY USING NEURAL NETWORKS*

**S. Stojaković-Čelustka:** *INFERENCE RULES UNIT OF THE INTELLIGENT SECURITY SYSTEM*

11.30 – 11.45

coffee break

**Room 1.**

11:45 – 12:45

**Plenary session****Chair: Valter Boljunčić**

**Greys Sošić:** *COALITION STABILITY IN ASSEMBLY MODELS*

12:45 – 13:15

Conference closing – Room 1