

Conference Program

Wednesday April, 14, 2004

8H00	Registration at the secretariat								
9H00	Welcome speeches and official conference opening ceremony								
9H30 – 10H30	Plenary I Ralph E. Steuer Suitable-Portfolio Investors, Nondominated Frontier Sensitivity, and the Effect of Multiple Objectives on Standard Portfolio Selection in Finance (P1)								
10H30 – 11H00	<i>Coffee break</i>								
11H00 – 12H20	Sessions A Session A1 Theory of MOP 1 Chair : <i>Dylan F Jones</i>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">A11</td> <td>Matthias Ehrgott and Justo Puerto A Primal-Dual Algorithm for Multiobjective Linear Programming</td> </tr> <tr> <td style="text-align: center;">A12</td> <td>Dylan F Jones, Simon J Mardle and Mehrdad Tamiz Multiple Objective Decision Trees: Theory and Application</td> </tr> <tr> <td style="text-align: center;">A13</td> <td>Bogumil Kaminski On quasi orderings and multi objective functions</td> </tr> <tr> <td style="text-align: center;">A14</td> <td>Alexander Engau and Margaret Wiecek Promoting Epsilon-Efficient Solutions in Multiobjective Programming</td> </tr> </table>	A11	Matthias Ehrgott and Justo Puerto A Primal-Dual Algorithm for Multiobjective Linear Programming	A12	Dylan F Jones, Simon J Mardle and Mehrdad Tamiz Multiple Objective Decision Trees: Theory and Application	A13	Bogumil Kaminski On quasi orderings and multi objective functions	A14	Alexander Engau and Margaret Wiecek Promoting Epsilon-Efficient Solutions in Multiobjective Programming
A11	Matthias Ehrgott and Justo Puerto A Primal-Dual Algorithm for Multiobjective Linear Programming								
A12	Dylan F Jones, Simon J Mardle and Mehrdad Tamiz Multiple Objective Decision Trees: Theory and Application								
A13	Bogumil Kaminski On quasi orderings and multi objective functions								
A14	Alexander Engau and Margaret Wiecek Promoting Epsilon-Efficient Solutions in Multiobjective Programming								
	Session A2 MCDA 1 Chair : <i>Jean-Marc Martel</i>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">A21</td> <td>Khaled Mellouli and Yamna Ettarres Multi-Criteria Decision aid using a new version of the method ELECTRE III</td> </tr> <tr> <td style="text-align: center;">A22</td> <td>Maciej Nowak Aspiration level approach in stochastic MCDM problems</td> </tr> <tr> <td style="text-align: center;">A23</td> <td>Khaled Jabeur and Jean-Marc Martel Obtaining a collective result from the individual preferences relational systems (p.r.s)</td> </tr> <tr> <td style="text-align: center;">A24</td> <td>Chiang Kao and Hsi-Tai Hung Performance Evaluation of University Departments: A Case in Taiwan</td> </tr> </table>	A21	Khaled Mellouli and Yamna Ettarres Multi-Criteria Decision aid using a new version of the method ELECTRE III	A22	Maciej Nowak Aspiration level approach in stochastic MCDM problems	A23	Khaled Jabeur and Jean-Marc Martel Obtaining a collective result from the individual preferences relational systems (p.r.s)	A24	Chiang Kao and Hsi-Tai Hung Performance Evaluation of University Departments: A Case in Taiwan
A21	Khaled Mellouli and Yamna Ettarres Multi-Criteria Decision aid using a new version of the method ELECTRE III								
A22	Maciej Nowak Aspiration level approach in stochastic MCDM problems								
A23	Khaled Jabeur and Jean-Marc Martel Obtaining a collective result from the individual preferences relational systems (p.r.s)								
A24	Chiang Kao and Hsi-Tai Hung Performance Evaluation of University Departments: A Case in Taiwan								
	Session A3 GP Applications 1 Chair : <i>Habib Chabchoub</i>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">A31</td> <td>Noura Béji, Habib Ben Bacha and Habib Chabchoub A Goal Programming based approach for optimizing systems reliability</td> </tr> <tr> <td style="text-align: center;">A32</td> <td>Remus Câmpean, Dalia Câmpean, Augustin Prodan and Stefan Tigan A Goal Programming - Regressional Approach for a Drug Design Problem</td> </tr> <tr> <td style="text-align: center;">A33</td> <td>Sydney CK Chu Generating Shift Crew-Duties</td> </tr> <tr> <td style="text-align: center;">A34</td> <td>Mohamed Sadok Cherif, Habib Chabchoub and Belaïd Aouni Goal programming for quality control design</td> </tr> </table>	A31	Noura Béji, Habib Ben Bacha and Habib Chabchoub A Goal Programming based approach for optimizing systems reliability	A32	Remus Câmpean, Dalia Câmpean, Augustin Prodan and Stefan Tigan A Goal Programming - Regressional Approach for a Drug Design Problem	A33	Sydney CK Chu Generating Shift Crew-Duties	A34	Mohamed Sadok Cherif, Habib Chabchoub and Belaïd Aouni Goal programming for quality control design
A31	Noura Béji, Habib Ben Bacha and Habib Chabchoub A Goal Programming based approach for optimizing systems reliability								
A32	Remus Câmpean, Dalia Câmpean, Augustin Prodan and Stefan Tigan A Goal Programming - Regressional Approach for a Drug Design Problem								
A33	Sydney CK Chu Generating Shift Crew-Duties								
A34	Mohamed Sadok Cherif, Habib Chabchoub and Belaïd Aouni Goal programming for quality control design								
	Session A4 Fuzzy MOPGP 1								

Chair : *Abdelwaheb Rebai*

A41	M. R. Gholamian, S. M. T. Fatemi Ghomi and M. Ghazanfari A systematic design of multiobjective problem solutions with fuzzy rule based systems
A42	Mariano Jiménez, Mar Arenas, Amelia Bilbao and M. Victoria Rodríguez Possibilistic linear programming: An interactive method resolution
A43	Mustafa Güneş and Nurullah Umarusman Multi-Objective fuzzy goal programming approach to the decision problems under complete uncertainty
A44	M. A. Yaghoobi and M. Tamiz A method for solving fuzzy goal programming problems based on MINMAX approach

13H00

Lunch

14H30 – 15H30

Plenary II
Tetsuzo Tanino

Theory of multiobjective optimization in the multi-dimensional extended real space
(P2)

15H30 – 16H30

Sessions B

Session B1

Theory of MOP 2

Chair : *Pekka Korhonen*

B11	Ami Arbel and Pekka Korhonen Using Objective Values to Start Multiple Objective Linear Programming Algorithms
B12	Olga Rudenko and Marc Schoenauer A Steady Performance Stopping Criterion for Pareto-based Evolutionary Algorithms
B13	Jonathan W. Large Hyper-Spherical Inversion Transformations in Multi-objective Evolutionary Optimization

Session B2

Combinatorial MOPGP 1

Chair : *Jacques Teghem*

B21	Samya Elaoud, Taicir Loukil and Jacques Teghem A Pareto Fitness Genetic Algorithm
B22	Arnaud Zinflou, Caroline Gagné and Marc Gravel Decision support system using genetic algorithms for multi-objective optimization
B23	Tadeusz Trzaskalik and Sebastian Sitarz Discrete dynamic programming with outcomes in random variables structures

Session B3

DEA

Chair : *Tetsuzo Tanino*

B31	Richard Bozec and Mohamed Dia Board Structure and Firm Technical Efficiency: Evidence from Canadian State-Owned Enterprises
B32	Yi-Hwa Haung and Gwo-Hshiung Tzeng Application of the DEA approach to Evaluating Management Performance of On-Line Game Software Corporations in Taiwan
B33	Hua-Kai Chiou and Gwo-Hshiung Tzeng DEA with Imprecise Data for R&D Projects Evaluation in Taiwan

Session B4

Fuzzy MOPGP 2

Chair : ***Ku Ruhana Ku-Mahamud***

B41	Ku Ruhana Ku-Mahamud, M. Othman and A.A. Bakar Privatization evaluation of bus operation using fuzzy multicriteria model
B42	Fouad Ben Abdelaziz and Olfa Meddeb Instable Interaction In Multiple Criteria Decision Making Problem
B43	Jia-Ruey Chang, Ching-Tsung Hung, Gwo-Hshiung Tzeng and Jyh-Dong Lin Fuzzy multiple objective programming approach for optimizing pavement maintenance management systems

16H30 – 17H00

Coffee break

17H00 – 18H00

Sessions C

Session C1

AHP & GP Theory

Chair : ***Belaid Aouni***

C11	Belaid Aouni, Amal Hassaine and Jean-Marc Martel Decision-Maker's Preferences Modeling in the Goal Programming Model
C12	Rafikul Islam Evaluation of Suggestions by AHP: A Case Study Based on a Secondary School
C13	He-You Jiang and Hsiao-Cheng Yu The Need of the Quality of Work Life of Employees of Production Line of Taiwan High-Tech Industries - An Empirical Research of Semiconductor Corporations of Taiwan

Session C2

Metaheuristics & MOPGP 1

Chair : ***Rafael Caballero***

C21	Caroline Gagné, Marc Gravel and Wilson L. Price Using metaheuristics for the solution of multiobjective scheduling problems via compromise programming
C22	Aicha Aguezzoul and Pierre Ladet A multi-objective approach for the supplier selection taking into account transportation
C23	Rafael Caballero, Mercedes González, Flor M^a Guerrero, Julián Molina and Concepción Paralera Solving a Multiobjective Location Routing Problem with a metaheuristic procedure. Application to the case of Andalucía

Session C3

Combinatorial MOPGP 2

Chair : ***Xavier Gandibleux***

C31	Anis Allouche, Belaïd Aouni, Jean-Marc Martel, Taïcir Loukil and Abdelwaheb Rebaï Solving Multi-Criteria Scheduling Flow Shop Problems through Compromise Programming
C32	Anthony Przybylski, Xavier Gandibleux and Matthias Ehrgott Seek and cut algorithm computing minimal and maximal complete efficient solution sets for the biobjective assignment problem
C33	Rosiane de Freitas Rodrigues Analysis of the asymptotic growth for the Multi-Objective TSP: search space versus optimal pareto

	<p style="text-align: center;">Session C4 Financial Applications 1 Chair : <i>Taïcir Loukil</i></p> <table border="1"> <tr> <td>C41</td> <td>Belaïd Aouni, Fouad Ben Abdelaziz and Rimeh El Fayedh Chance Constrained Compromise Programming for Portfolio Selection</td> </tr> <tr> <td>C42</td> <td>Wissem Ghazouani, Lamia Belfares and Adel Guitouni Optimisation of International Securities Portfolio Selection</td> </tr> <tr> <td>C43</td> <td>Soulef Smaoui, Habib Chabchoub and Belaïd Aouni Discriminant Analysis for Credit Granting: A Comparative Study</td> </tr> </table>	C41	Belaïd Aouni, Fouad Ben Abdelaziz and Rimeh El Fayedh Chance Constrained Compromise Programming for Portfolio Selection	C42	Wissem Ghazouani, Lamia Belfares and Adel Guitouni Optimisation of International Securities Portfolio Selection	C43	Soulef Smaoui, Habib Chabchoub and Belaïd Aouni Discriminant Analysis for Credit Granting: A Comparative Study				
C41	Belaïd Aouni, Fouad Ben Abdelaziz and Rimeh El Fayedh Chance Constrained Compromise Programming for Portfolio Selection										
C42	Wissem Ghazouani, Lamia Belfares and Adel Guitouni Optimisation of International Securities Portfolio Selection										
C43	Soulef Smaoui, Habib Chabchoub and Belaïd Aouni Discriminant Analysis for Credit Granting: A Comparative Study										
18H00 – 18H50	<p style="text-align: center;">Student Forum</p> <table border="1"> <tr> <td>SF1</td> <td>Ben Brahim Mouna Multi R&D project game</td> </tr> <tr> <td>SF2</td> <td>Chtourou Sameh Solving Multi Objectives Assignment Problems With Tabu Search Method</td> </tr> <tr> <td>SF3</td> <td>Halouani Nesrine Intelligent group decision system for multidimensional assessment of projects</td> </tr> <tr> <td>SF4</td> <td>Thabet Slimani New approach for extraction of association rule from semi-structured data</td> </tr> <tr> <td>SF5</td> <td>Khayati Nizar Multio-bjective search for web search optimization</td> </tr> </table>	SF1	Ben Brahim Mouna Multi R&D project game	SF2	Chtourou Sameh Solving Multi Objectives Assignment Problems With Tabu Search Method	SF3	Halouani Nesrine Intelligent group decision system for multidimensional assessment of projects	SF4	Thabet Slimani New approach for extraction of association rule from semi-structured data	SF5	Khayati Nizar Multio-bjective search for web search optimization
SF1	Ben Brahim Mouna Multi R&D project game										
SF2	Chtourou Sameh Solving Multi Objectives Assignment Problems With Tabu Search Method										
SF3	Halouani Nesrine Intelligent group decision system for multidimensional assessment of projects										
SF4	Thabet Slimani New approach for extraction of association rule from semi-structured data										
SF5	Khayati Nizar Multio-bjective search for web search optimization										

Thursday April, 15, 2004

8H30 – 9H30	<p style="text-align: center;">Plenary III Jacques Teghem Multi objective metaheuristics for combinatorial optimization : a review (P3)</p>												
9h30 -10H30	<p style="text-align: center;">Sessions D</p> <p style="text-align: center;">Session D1 Theory of GP Chair : <i>Carlos Romero</i></p> <table border="1"> <tr> <td>D11</td> <td>Khorramshahgol Reza and Tamiz Merhad Assessing Goal Programming Models Using Taguchi Method</td> </tr> <tr> <td>D12</td> <td>R. Caballero, M.V. Rodríguez, F. Ruiz and C. Romero Interactive Meta - Goal Programming: Theory and Applications</td> </tr> <tr> <td>D13</td> <td>Samir Elhedhli Replicating Experts' Forecasts using Simple Decision Heuristics: A Goal Programming Approach</td> </tr> </table> <p style="text-align: center;">Session D2 Metaheuristics & MOPGP 2 Chair : <i>Joao Climaco</i></p> <table border="1"> <tr> <td>D21</td> <td>Sana Kouraïchi, Jacques Teghem and Taïcir Loukil Resolution of multicriteria scheduling problem by simulated annealing</td> </tr> <tr> <td>D22</td> <td>Jose Figueira, Carlos Gomes da Silva and Joao Climaco Integrating partial optimization with scatter search for solving bi-criteria {0,1}-knapsack problems</td> </tr> <tr> <td>D23</td> <td>Walid Klibi, Lamia Belfares, Nassirou Lo and Adel Guitouni Multi-Objective Tabu Search Procedure for Progressive Ressource Allocation</td> </tr> </table>	D11	Khorramshahgol Reza and Tamiz Merhad Assessing Goal Programming Models Using Taguchi Method	D12	R. Caballero, M.V. Rodríguez, F. Ruiz and C. Romero Interactive Meta - Goal Programming: Theory and Applications	D13	Samir Elhedhli Replicating Experts' Forecasts using Simple Decision Heuristics: A Goal Programming Approach	D21	Sana Kouraïchi, Jacques Teghem and Taïcir Loukil Resolution of multicriteria scheduling problem by simulated annealing	D22	Jose Figueira, Carlos Gomes da Silva and Joao Climaco Integrating partial optimization with scatter search for solving bi-criteria {0,1}-knapsack problems	D23	Walid Klibi, Lamia Belfares, Nassirou Lo and Adel Guitouni Multi-Objective Tabu Search Procedure for Progressive Ressource Allocation
D11	Khorramshahgol Reza and Tamiz Merhad Assessing Goal Programming Models Using Taguchi Method												
D12	R. Caballero, M.V. Rodríguez, F. Ruiz and C. Romero Interactive Meta - Goal Programming: Theory and Applications												
D13	Samir Elhedhli Replicating Experts' Forecasts using Simple Decision Heuristics: A Goal Programming Approach												
D21	Sana Kouraïchi, Jacques Teghem and Taïcir Loukil Resolution of multicriteria scheduling problem by simulated annealing												
D22	Jose Figueira, Carlos Gomes da Silva and Joao Climaco Integrating partial optimization with scatter search for solving bi-criteria {0,1}-knapsack problems												
D23	Walid Klibi, Lamia Belfares, Nassirou Lo and Adel Guitouni Multi-Objective Tabu Search Procedure for Progressive Ressource Allocation												

Session D3
Combinatorial MOPGP 3
Chair : *El Ghazali Talbi*

D31	Julien Lemesre, C. Dhaenens and El Ghazali Talbi An exact parallel method for a bicriteria permutation flowshop problem
D32	Vincent T'kindt and Karima Hocine On the Complexity of Counting and Enumeration for Multicriteria Scheduling Problems
D33	Engku Muhammad Nazri Bin Engku Abu Bakar and Nor Aishah Ahad The allocation of college funds to students' activities using integer programming

Session D4
Multiobjective Game Theory
Chair : *Tadeusz Trzaskalik*

D41	Francisco Ramon Fernandez Garcia and Jesus Rodriguez Ona Vector Valued Simple Games
D42	Fouad Ben Abdelaziz and Sawssen Krichen An Optimal Selection Problem with two Decision Makers
D43	A.M. Mármol, Luisa Monroy and V. Rubiales An equitable solution for multicriteria bargaining games

10H30 – 11H00

Coffee break

11H00 – 12H20

Sessions E

Session E1
MOP Applications
Chair : *Salah Benabdallah*

E11	Elna Madetoja, Kaisa Miettinen and Pasi Tarvainen A Computer Realization of a Multidisciplinary and Multiobjective Optimization System
E12	Sondes Hammami, Atidel Hadj Alouane and Pierre Ladet Approach multi-objectives for the supplying surgical units materials
E13	Fériel Rezouga, Olfa Boubaker, Mathieu Sperandio and Moktar Hamdi Multi-Objective Optimisation of Continuous Activated Sludge Process Treating Industrial Wastewater
E14	Yi-Hsin Liu and Gwo_Hshiung Tzeng Data mining using multiple objective programming

Session E2
MCDA 2
Chair : *Jose Figueira*

E21	Tomáš Šubrt Sensitivity Analysis in Multiple Criteria AON Networks
E22	Helena Brožová Three Approaches to Choice of the Best Alternative in Multicriterial Decision Table
E23	Ozhand Ganjavi and Belaid Aouni Weight Amplification in Multi Criteria Decision Aid
E24	Inès Ben Jaafar and Khaled Ghédira Negotiation based Multicriteria Decision Aid

	<p style="text-align: center;">Session E3 GP Applications 2 Chair : Habib Chabchoub</p> <table border="1"> <tr> <td>E31</td> <td>Razamin Ramli and Engku Muhammad Nazri Engku Abu Bakar Lunch menu selection using goal programming</td> </tr> <tr> <td>E32</td> <td>Ren-Shuai Chen and Joseph Z. Shyu Selecting a Weapon System Using Zero-One Goal Programming and Analytic Network Process</td> </tr> <tr> <td>E33</td> <td>H. I. Calvete, C. Galé, M. J. Oliveros and B. Sánchez-Valverde A goal programming approach to vehicle routing problems with time windows and multiple objectives</td> </tr> <tr> <td>E34</td> <td>Issam Dhahri and Habib Chabchoub A Non linear Goal Programming Models quantifying the Bullwhip Effect in Supply Chain based on ARIMA parameters</td> </tr> </table>	E31	Razamin Ramli and Engku Muhammad Nazri Engku Abu Bakar Lunch menu selection using goal programming	E32	Ren-Shuai Chen and Joseph Z. Shyu Selecting a Weapon System Using Zero-One Goal Programming and Analytic Network Process	E33	H. I. Calvete, C. Galé, M. J. Oliveros and B. Sánchez-Valverde A goal programming approach to vehicle routing problems with time windows and multiple objectives	E34	Issam Dhahri and Habib Chabchoub A Non linear Goal Programming Models quantifying the Bullwhip Effect in Supply Chain based on ARIMA parameters
E31	Razamin Ramli and Engku Muhammad Nazri Engku Abu Bakar Lunch menu selection using goal programming								
E32	Ren-Shuai Chen and Joseph Z. Shyu Selecting a Weapon System Using Zero-One Goal Programming and Analytic Network Process								
E33	H. I. Calvete, C. Galé, M. J. Oliveros and B. Sánchez-Valverde A goal programming approach to vehicle routing problems with time windows and multiple objectives								
E34	Issam Dhahri and Habib Chabchoub A Non linear Goal Programming Models quantifying the Bullwhip Effect in Supply Chain based on ARIMA parameters								
	<p style="text-align: center;">Session E4 Financial Applications 2 Chair : Ralph E. Steuer</p> <table border="1"> <tr> <td>E41</td> <td>Belaid Aouni, Fouad Ben Abdelaziz and Rimeh El Fayedh Portfolio Selection through the Stochastic Goal Programming</td> </tr> <tr> <td>E42</td> <td>Markus Hirschberger, Yue Qi and Ralph E. Steuer Survey of Quadratic Parametric Programming in Portfolio Optimization</td> </tr> <tr> <td>E43</td> <td>Alejandro Balbas and Silvia Mayoral Balance Points and Duality with application in Risk Analysis</td> </tr> <tr> <td>E44</td> <td>Fouad Ben Abdelaziz, Chokri Mamoughli and Latifa Ouni A Bivariate risk aversion measure: An extension (case study)</td> </tr> </table>	E41	Belaid Aouni, Fouad Ben Abdelaziz and Rimeh El Fayedh Portfolio Selection through the Stochastic Goal Programming	E42	Markus Hirschberger, Yue Qi and Ralph E. Steuer Survey of Quadratic Parametric Programming in Portfolio Optimization	E43	Alejandro Balbas and Silvia Mayoral Balance Points and Duality with application in Risk Analysis	E44	Fouad Ben Abdelaziz, Chokri Mamoughli and Latifa Ouni A Bivariate risk aversion measure: An extension (case study)
E41	Belaid Aouni, Fouad Ben Abdelaziz and Rimeh El Fayedh Portfolio Selection through the Stochastic Goal Programming								
E42	Markus Hirschberger, Yue Qi and Ralph E. Steuer Survey of Quadratic Parametric Programming in Portfolio Optimization								
E43	Alejandro Balbas and Silvia Mayoral Balance Points and Duality with application in Risk Analysis								
E44	Fouad Ben Abdelaziz, Chokri Mamoughli and Latifa Ouni A Bivariate risk aversion measure: An extension (case study)								
12H30	Lunch								
14H00 – 19H30	Departure for the Half-day sightseeing tour								
20H30	Conference dinner								

Friday April, 16, 2004

8H30 – 9H30	<p style="text-align: center;">Plenary IV Belaid Aouni Has Decision Maker Been Given Prominence in the Goal Programming Model? (P4)</p>						
9H30 – 10H50	<p style="text-align: center;">Sessions F Session F1 MOPGP under Uncertainty Chair : Khaled Mellouli</p> <table border="1"> <tr> <td>F11</td> <td>Aïda Kharrat, Habib Chabchoub, Belaïd Aouni and Soulef Smaoui Serial Correlation Estimation through the Imprecise Goal Programming Model</td> </tr> <tr> <td>F12</td> <td>Fouad Ben Abdelaziz, Lamia Enneifar and Jean Marc Martel A Multiobjective Fuzzy Stochastic group decision aid for Water Resources Optimization</td> </tr> <tr> <td>F13</td> <td>Hua-Kai Chiou, Gwo-Hshiung Tzeng and Yu-Yuan Tsou Fuzzy Multiple Objective Programming with Bounded Method for Evaluating the Performance of Accounting & Statistics Departments of Taiwan Air Force</td> </tr> </table>	F11	Aïda Kharrat, Habib Chabchoub, Belaïd Aouni and Soulef Smaoui Serial Correlation Estimation through the Imprecise Goal Programming Model	F12	Fouad Ben Abdelaziz, Lamia Enneifar and Jean Marc Martel A Multiobjective Fuzzy Stochastic group decision aid for Water Resources Optimization	F13	Hua-Kai Chiou, Gwo-Hshiung Tzeng and Yu-Yuan Tsou Fuzzy Multiple Objective Programming with Bounded Method for Evaluating the Performance of Accounting & Statistics Departments of Taiwan Air Force
F11	Aïda Kharrat, Habib Chabchoub, Belaïd Aouni and Soulef Smaoui Serial Correlation Estimation through the Imprecise Goal Programming Model						
F12	Fouad Ben Abdelaziz, Lamia Enneifar and Jean Marc Martel A Multiobjective Fuzzy Stochastic group decision aid for Water Resources Optimization						
F13	Hua-Kai Chiou, Gwo-Hshiung Tzeng and Yu-Yuan Tsou Fuzzy Multiple Objective Programming with Bounded Method for Evaluating the Performance of Accounting & Statistics Departments of Taiwan Air Force						

Session F2
MOPGP Applications
Chair : *Mohamed Haouari*

F21	J. P. Oddoye, M. Tamiz, D. F. Jones, A. A. Foroughi, P. Schmidt A Multi-Objective Model to Determine Efficient Resource Levels in a Medical Assessment Unit
F22	Fatma Gzara and Erhan Erkut A bilevel programming application to hazardous material transportation network design
F23	Ozhand Ganjavi and Belaid Aouni Conditions to Obtain Balanced Solution in Distance Function Models
F24	Mehrdad Tamiz and Ali A. Foroughi An effective total ranking model for a ranked voting system

Session F3
Related Subjects
Chair : *Rim Faiz*

F31	B.A. Fessi, M. Hamdi, S. Benabdallah and N. Boudriga A Decisional Framework System for Computer Network Intrusion Detection
F32	Maher Khemakhem and Abdelfatteh Belghith DTW based on a multiagent system for distributed printed cursive arabic recognition
F33	Abdelkarim Elloumi, Hichem Kamoun and Abdelaziz Dammak Exam Timetabling at the Faculty of Economic Sciences and Management of Sfax using Graph Coloring with Capacity Constraints
F34	Hua-Kai Chiou, Gwo-Hshiung Tzeng, Gia-Shie Liu and Chih-Kang Cheng GM(1,1) Model for Forecasting the Intermittent Demand of Spare Parts in Navy of Taiwan

10H50 – 11H20

Coffee break

11H20

Closing ceremony