Thursday, April 15

	SALA 17 DE ABRIL [Room 1]	SALA PEDRO NUNES [Room 2]	SALA 2.3 [Room 3]
9h30-10h30: Plenary Session I		**Plenary I - Chair: Rios Insua** Thomas Nielsen - Decision graphs: representation languages and solution algorithms	
11h00-12h30: Parallel Sessions I	**Heuristics - Chair: Liefooghe** Liefooghe, Jourdan, Talbi - Indicator-based approaches for multiobjective optimization in uncertain environments: An application to multiobjective scheduling with stochastic processing times Chorbev, Joksimoski, Mihajlov - SA Tabu Miner - A Hybrid Heuristic Algorithm For Rule Induction Motta, Ochi, Nogueira - Improving performance of algorithms for the covering tour problem by applying reduction rules	**Decision Analysis - Chair: Kailiponi** Kailiponi, Shaw - Analysis of Operational Plans for Precautionary Evacuation using Decision Analysis Tolpin, Shimony - Rational Value of Information Estimation for Measurement Selection Znidarsic, Bohanec - Handling uncertainty in DEX methodology	**MCDA Methodologies - Chair: Bisdorff** Bisdorff - On a bipolar foundation of the outranking concept Yatsalo, Gritsyuk, Tkachuk, Mirzeabasov - Multicriteria Acceptability Analysis: ProMAA Approach Skulimowski - Anticipatory Network Models of Multicriteria Decision-Making Process
14h00-16h00: Parallel Sessions II	**Fuzzy - Chair: John** Perera, Carvalho, Soares - Smooth transition between fuzzy regions to overcome failures in fuzzy membership functions of decisions in collision avoidance of ocean navigation Fonte, Gonçalves, Caetano - Assessing the uncertainty of land cover area estimates with the information about the classification uncertainty John, Hamrawi - Type-2 Fuzzy Logic: Modelling Uncertainty in Decision Making and Computing with Words Wibowo, Deng - A Fuzzy Screening System for Effectively Solving Maritime Shipping Problem	**Applications: Portfolio optimisation - Chair: Lourenço** Olson, Wu - Portfolio Optimization with Conditional Value-at-Risk and Chance Constraints Lourenço, BanaeCosta - An example of portfolio robustness evaluation with PROBE Khalili-Damghani, Sadi-Nezhad, Hosseinzadeh-Lotfi, Tavakkoli-Moghaddam, Yaghoobi - A Decision Support System for Project Selection in Fuzzy Environment Cesari, Adda - Ordinal utility and the market prices of semi-moments	**Decision Deck: methodological contributions - Chair: Mousseau** Metchebon, Mousseau, Zheng - Computing Robust Assignments for the Electre Tri Optimistic Rule Rocha, Dias - Multicriteria classification of workgroups with categories unknown a priori: a clustering-sorting approach Metchebon, Pirlot - Comparing decisional maps Pirlot, Schmitz, Meyer - An empirical comparison of the expressiveness of the additive value function and the Choquet integral models for representing rankings
16h30-18h00: Parallel Sessions III		**Multiobjective optimisation I - Chair: Greco** Greco, Matarazzo, Slowinski - DARWIN-PCT: Dominance-based rough set Approach to handling Robust Winning solutions in INteractive multiobjective optimization using Pairwise Comparison Tables Zilinskas - Uncertainty and rational decisions in `black box' multiobjective optimization Eskelinen, Ruuska, Miettinen, Wiecek, Mustajoki - A Scenario-Based Interactive Multiobjective Optimization Method for Decision Making under Uncertainty	**Decision Deck: software developments - Chair: Tervonen** Bigaret, Meyer - diviz: an MCDA workflow design, execution and sharing tool Cailloux - ELECTRE and PROMETHEE MCDA methods as reusable software components Tervonen - JSMAA: an open source software for SMAA computations

Friday, April 16

	SALA 17 DE ABRIL [Room 1]	SALA PEDRO NUNES [Room 2]	SALA 2.3 [Room 3]
09h00-11h00: Parallel Sessions IV	**Robustness and probabilities - Chair: Slowinski** Ben-Haim - When is (Non-Probabilistic) Robustness A Good (Probabilistic) Bet? An Info-Gap Approach García, Marín, Mesa, Perea, Verastegui - Computational considerations about Probability-Robustness Pizarro, Escudero, Alonso-Ayuso, Agustín - A stochastic model for air traffic flow decision making with rerouting under uncertainty Ayuso, Escudero, Pizarro - Main elements of a stochastic framework for robust decision making under uncertainty	**Scheduling I - Chair: Geiger** Briand, Lehaux - A fair multi-agent job shop scheduling problem Geiger - On the comparison of plans: Proposition of an instability measure for dynamic machine scheduling Grzechca - Structure's Uncertainty of Two-sided Assembly Line Balancing Problem Gurevsky, Guschinskaya, Dolgui - Assembly line balancing problems under uncertainties	**Intervals in MOLP, MAUT, and DEA - Chair: Dias** Gouveia, Dias, Antunes - Assessing robustness in additive DEA with interval measurements Mateos, Jimenez, Moreno, Aguayo - Dominance Measuring Approach using Stochastic Weights Hladik - On necessarily efficient solutions in interval multiobjective linear programming
11h30-12h30: Plenary Session II		**Plenary I - Chair: Antunes** Thierry Marchant - Decision under complete uncertainty: motivations, models, axioms and experiments	
14h00-16h00: Parallel Sessions V	**MCDA Applications - Chair: Benamor** Moinelo, Efremov, Galbiati, Coscera, Ghiang - Robust multicriteria wastewater treatment selection - a case study Yatsalo, Gritsyuk, Didenko, Vasilevskaya, Mirzeabasov, Babutski - Land-Use Planning and Risk Management with the Use of Web-based Multi-Criteria Spatial Decision Support System DECERNS Jensen - Importance of criteria weights in composite appraisal of transport projects – a robustness analysis Benamor, Martel, Guitouni - A multicriteria risk measure in a military context	**Scheduling II - Chair: Moratori** Gonzalez, Torres, Framinan - Effect of variability on flow-shop scheduling Yang - Predictive-reactive scheduling for new product development projects with uncertain tasks Moratori, Petrovic, Rodriguez - Hybridisation of fuzzy robust scheduling with match-up approaches Aloulou, Haouari, Mansour - A slack re-distribution model for generating robust airline schedules	**Applications: Confronting Uncertainty in LCA - Chair: Freire** André, Lopes - On the Use of Possibility Theory in Uncertainty Analysis of Life Cycle Assessment Malça, Freire - A comprehensive framework for incorporating uncertainty in the LCA of biodiesel Castanheira, Freire - GHG Emissions Assessment of Palm Oil: uncertainty and scenario analysis for increased production Dias, Arroja, Capela - Uncertainty in the carbon footprint of eucalypt wood
16h30-18h00: Parallel Sessions VI	**Multiobjective optimisation II - Chair: Wierzbicki** Efremov, Lotov - Planning with Uncertain Feasible Decision Sets Supported by Pareto Frontier Visualization Wierzbicki, Makowski - Robustness of Model-Based Decisions: Fundamental Considerations Silva, Craveirinha, Clímaco - Stochastic Hierarchical Multiobjective Routing Model in MPLS Networks with Two Service Classes – a robustness analysis experiment	**Applications: Energy - Chair: Matos** Lourenço, Santos - Short-term load forecasting using a Gaussian Process Model - The influence of a derivative term in the input regressor Bessa, Matos - Dealing with Wind Power Forecast Uncertainty Kligerman, Ribeiro - A bi-criteria decision support system for the Brazilian hydrothermal operation planning	**Scenarios in multi-criteria decision models - Chair: French** Stewart, French, Rios - Scenario-Based Multi-criteria Decision Analysis Mihelic, Robic - Scenario elimination in flexible-attribute problem Comes, Hiete, Schultmann - A decision support system for multi-criteria decision problems under severe uncertainty in longer-term emergency management **COST Action Algorithmic Decsion Theory - Meeting of the Management Committee**

Saturday, April 17

	SALA 2.4 [Room 1]	SALA 2.5 [Room 2]	SALA 2.3 [Room 3]
09h30-11h00: Parallel Sessions VII	**Applications: Multiobjective / DEA - Chair: Wegener** Yaghoobi, Hosseinzadeh, Aryanezhad - Benchmark forecasting for an Iranian commercial bank (Application of DEA) Kiombo, Cano, Rios Insua - Multiobjective management of the Kwanza river Wegener, Franke, Kirschke - Uncertainty in interactive multiobjective programming for public policy resource allocation	**Robustness analysis: concepts - Chair: Ogryczak** Rosenhead - Robustness and Strategic Flexibility Ogryczak - Tail Mean and Related Robust Solution Concepts Kim, Noh - Model similarity and robustness of classification under the assumption of positive association	**Applications: Stochastic approaches - Chair: Rajala** Tomberlin - Managing multi-stock fisheries with both observation and process uncertainty Mestre, Oliveira, Póvoa - Hospital network planning under uncertain demand Rajala, Lintunen, Ritala - Uncertainty and Flexibility in Process Lifecycle Optimization
11h30-13h00: Parallel Sessions VIII	**Cross-cutting issues - Chair: Walker** Haan, Kwakkel - Uncertainty Framed Kwakkel, Walker, Marchau - From Predictive Modeling to Exploratory Modeling: How to use Non- Predictive Models for Decisionmaking under Deep Uncertainty Stevenson, Tappenden, Pilgrim - A position paper on the evaluation of uncertainty in the field of health economic evaluation	**Robustness analysis: optimisation - Chair: Carrizosa** Laumanns, Zenklusen, Schüpbach, Hendriks, Lefeber, Udding - Robust Adaptive Resource Allocation in Container Terminals Naseraldin, Milner, Baron - Facility Location: A Robust Optimization Approach Bello, Blanquero, Carrizosa - On minimax-regret Huff location models	**Group decision and negotiation - Chair: Marmol** Hinojosa, Sanchez, Marmol - Leximin Rules for Bankrupcy Problems under Uncertainty Greco, Kadzinski, Slowinski - The most representative value function for robust ordinal regression in group decision problems Sarabando, Dias - Comparison of different rules to mediate negotiations with incomplete information