

## PROGRAM

### Thursday 12<sup>th</sup> April / Jeudi 12 avril

<b>Young Researchers Meeting / Jeune Chercheur (Chair: A. Moreno) – Room 1 (ground floor)</b>	
11:00 – 13:00	<i>Silva, S., Dias, L., Alçada-Almeida, L., “Sustainability classification of dairy farming explorations in a portuguese region with ELECTRE Tri”</i>
	<i>Franco, C., Rodríguez, J.T., Montero, J., “Decision process under socio-economical viewpoint”</i>
	<i>Haddad, M.R., Ben Ghezala, H., Baazaoui, H., “Proposition d’un modèle de recommandation et d’aide à la décision pour les consommateurs sur le Web”</i>
	<i>Passuello, A., Cadiach, O., Kumar, V., Schuhmacher, M., “A decision support system based on Bayesian Networks to select the best areas for sewage sludge amendment: a case study”</i>
	<i>Bagherikahvarin, M., De Smet, Y., “A quantitative comparison between the Weighted Sum and PROMETHEE II using Data Envelopment Analysis: first investigations”</i>
	<i>Griño, M., Soniran, J., Del Vasto, L., Valls, A., Zielniewicz, P., Slowinski, R., “Dealing with a hierarchical family of criteria in ELECTRE-III”</i>
	<i>Galindo, J., Soto, S., “MCDA and e-commerce”</i>
	<i>Dey, M.K., Muthupandian, S., Giovannetti, L., “Decision making software tools”</i>
	<i>Liévano, F., Ortiz, G., “Ontologies in decision support systems”</i>
13:00 – 14:00	Lunch / Diner
14:00 – 14:30	<b>Opening Session / Session d’ouverture – Room A101 (first floor)</b>
14:30 – 16:30	<b>Session 1: Knowledge-based systems and decision making (Chair: V. Torra)</b>
	<i>Tervonen, T., Van Valkenhoef, G., Basturk, N., Postmus, D., “Efficient weight generation for simulation-based multiple criteria decision analysis”</i>
	<i>Jimenez, A., Suárez-Figueroa, M.C., Mateos, A., Gómez-Pérez, A., Fernández-López, M., “Selecting sports ontologies for reuse: a MCDA approach”</i>
	<i>Borràs, J., Valls, A., Moreno, A., Isern, D., “Using MCDA techniques to build personalized and contextualized tourist trip plans”</i>
	<i>Lahdelma, R., Wang, H., Salminen, P., “Complementary judgement matrix method with imprecise information”</i>
	<b>Papers submitted for discussion</b> <i>De Vicente, M., Manera, J., González-Blanch, J.M., “Planning with Electre Tri. An application to enterprise incubators in Madrid (Spain)”</i> <i>Ben Amor, S., Zaras, K., Martel, J.-M., “Additional Information in MCDA with information imperfections: the bayesian model and pre-posterior analysis”</i> <i>Tremblay, J., Abi-Zeid, I., “Value-based argumentation and multicriteria decision analysis – Methodology and a case study of an environmental project in Québec”</i>
16:30 – 17:00	Coffee Break / Pause café
17:00 – 18:30	<b>Round Table / Table ronde : MCDA and AI (Chair: A. Valls) – Room A101 (first floor)</b>
	TOPICS: <ul style="list-style-type: none"> <li>• Advantages and drawbacks of expressing preferences in a linguistic scale.</li> <li>• Are the multicriteria decision aid methods scalable to large sets of data?</li> </ul>
	<i>Dr. José Luis García Lapresta, University of Valladolid, Valladolid, Spain.</i>
	<i>Dr. Vicenç Torra, Research Institute for Artificial Intelligence (CSIC), Barcelona, Catalonia. President of the Catalan Association for AI.</i>
	<i>Dr. Salvatore Greco, University of Catania, Sicily, Italy.</i>
20:00 – 21:00	Guided Tour / : Roman time in Tarragona
21:00 – 23:00	Banquet

**Friday 13<sup>th</sup> April / Vendredi 13 avril**

09:00 – 10:30	<b>Session 2: Software for MCDA</b> (Chair: V Mousseau) - Room "Sala graus" (ground floor)
	<i>Mareschal, B.</i> , "Visual PROMETHEE - A New Multicriteria Decision Aid Software"
	<i>Corrente, S., Greco, S., Slowinski, R.</i> , "Extending ELECTRE and PROMETHEE methods to Hierarchical Structure of Criteria and Imprecise Evaluations"
	<i>Bigaret, S., Chiprianov, V., Meyer, P., Simonin, J.</i> , "On the Formalization and Executability of the Decision Aid Process with Service Oriented Architecture"
	<b>Papers submitted for discussion</b> <i>Soares de Mello, J.C., Bana, C.A.</i> , "Combining DEA with MACBETH" <i>Boggia, A., Corrente, S., Greco, S., Massei, G., Slowinski, R.</i> , "Robust Ordinal Regression in Geographical Information Systems"
10:30 – 11:00	Coffee Break / Pause café
11:00 – 13:00	<b>Session 3: Preferences</b> (Chair: Y. Siskos) - Room "Sala graus" (ground floor)
	<i>Angilella, S., Corrente, S., Greco, S., Slowinski, R.</i> , "Multicriteria customer satisfaction analysis with interacting criteria"
	<i>Argyris, N., Morton, A., Figueira, J.</i> , "A polyhedral approach to preference modelling/ Une approche polyédrale pour la modélisation des préférences"
	<i>Fernández, E., Olmedo, R.</i> , "An approach to group multi-objective optimization using outranking-based measures of collective satisfaction and dissatisfaction"
	<i>Corrente, S., Figueira, J.R., Greco, S.</i> , "Dealing with Interaction Between Bi-polar Multiple Criteria Preferences in Outranking Methods"
	<b>Papers submitted for discussion</b> <i>Kadzinski, M., Tervonnen, T.</i> , "Stochastic Ordinal Regression for Multiple Criteria Sorting Problems" <i>Hurson, C., Siskos, Y.</i> , "Robustness measures in criteria importance estimation" <i>Fernandez, E., Navarro, J., Salomon, E.</i> , "Automatic enhancement of the reference set for multi-criteria sorting in the frame of the Theseus method"
13:00 – 14:00	Lunch / Diner
14:00 – 14:30	<b>Working group matters and meetings / Vie du group et reunions</b> Room "Sala graus" (ground floor)
	<i>R. Slowinski</i> (EWG-MCDA), <i>D. Jones</i> (MCDA76)
14:30 – 16:00	<b>Session 4: Applications</b> (Chair: J. Figueira)
	<i>Brauers, W.K., Zavadskas, E.K.</i> , "Opposed to Credit Rating Agencies Opinions is a Multi-Objective Quantitative Rating possible? With a test for the European Union Member States"
	<i>Masmoudi, L., Yamnahakki, H., El Kadmiri, O.</i> , "Application d'une Approche Multicritère pour la Segmentation d'Images Omnidirectionnelles"
	<i>Isigonis, P., Zabeo, A., Semenzin, E., Critto, A., Giove, S., Marcomini, A.</i> , "Multi Criteria Decision Analysis based scoring of dose response laboratory tests for contaminants in surface water"

	<p><b>Papers submitted for discussion:</b>  García, M.C., Fernández, G., Escribano, M. del C., “The application of new generalized criteria to the electricity prices in the European Union countries”  Valet, L., Cliville, V., “Application of MCDA methods for parameter setting support of an image processing system”  Sarrazin, R., “Méthode d’analyse multicritère appliquée à l’évaluation de la performance de projets routiers en matière de sécurité routière durable”  Angilella, S., Bottero, M., Corrente, S., Ferreti, V., Greco, S., Lami, I.M., “Non Addictive Robust Original Regression for Urban and Territorial Planning: an application for siting an urban waste landfill”</p>
16:00 – 16:30	Coffee Break / Pause café
16:30 – 18:30	<p><b>Session 5: Methods</b> (Chair: S. Angilella) - Room “Sala graus” (ground floor)</p>
	<i>Caklovic, L., “Measure of inconsistency. AHP &amp; Potential Method. A comparison.”</i>
	<i>Marin, J.-C., Kazimierz, Z., Boudreau-Trudel, B., “Guiding the decision-making process with the Balanced Scorecard based on rough set theory”</i>
	<i>Merigó, J.M., “Decision Making under Subjective and Objective Risk and Complex Uncertainty”</i>
	<i>Mousseau, V., Rolland, A., Zheng, J., “Inferring a reference based multicriteria ranking model from pairwise comparisons”</i>
	<p><b>Papers submitted for discussion</b>  Leibak, A., Sheletski, A., Vaarman, O., “On a hierarchical approach to the generation of pareto points for complex systems”  Greco, S., Siskos, Y., Slowinski, R., “Controlling robustness in ordinal regression models”  Veneziano, T., Bisdorff, R., Meyer, P., “Didactic application of the stability of the median-cut outranking digraph”</p>

### Saturday 14<sup>th</sup> April / Samedi 14 avril

09:00 – 16:00	Day dedicated to informal exchanges aiming the participants to know themselves and to organize their cooperation.
	<i>Journée consacrée à des échanges informels devant permettre aux participants de mieux se connaître et d’organiser leur coopération.</i>
	Guided excursion “ DISCOVER THE MEDIEVAL LIFE (POBLET + MONTBLANC)” (including lunch).

## Social Activities

Thursday April 12th: Guided tour to Tarragona at 20:00

Meeting point: Portal del Roser  
(entrance of the Roman Walls, Via de l'Imperi Romà-Avinguda Catalunya)

At 21:00 we will go to Restaurant Auriga (Salines, 5. Near the City Hall)

Saturday April 14th: Guided excursion at 09:00

Meeting point: Plaça Imperial Tarraco, at the bus stop of the urban buses (in front of the newsagent's small shop).

Arrival will be at the same place around 16:00.

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Intelligent Technologies for  
Advanced Knowledge Acquisition



EWG-MCDA

EURO Working Group on Multicriteria Decision Aiding  
Groupe de Travail Européen Aide Multicritère à la Décision

