

Wednesday September 7, 2005

Time	
8:00-8:30	Registration
8:30-9:00	Inauguration – “Sala de Actos” - Vertex Building
9:00-9:50	Plenary Session I: Bernadette Bouchon. “Sala de Actos” - Vertex Building
9:50-10:10	Coffee Break
10:10-12:10	Parallel Sessions
	S104: Fuzzy Methods in Learning and Data Mining. Chair: E. Hüllermeier
10:10	S104-01: Inductive Learning of Fuzzy Regression Trees. M. Drobits.
10:30	S104-02: Noise Clustering via Dynamic Data Assigning Assessment.. O. Georgieva, F. Klawonn, K. Tschumitschew.
10:50	S104-03: Improving the interpretability of data-driven evolving fuzzy systems. E. Lughofer, E. Hüllermeier, E.P.Klement.
11:10	S104-04: Towards the use of OWA operators for record linkage. J. Nin, V. Torra.
11:30	S104-05: Use of combined Takagi-Sugeno Fuzzy Models for the Prediction of Particle Sink Rates. A. Seeliger, M. Wagenknecht, R. Hampel.
11:50	S104-06: Learning Complexity-Bounded Rule-Based Classifiers by Combining. Association Analysis and Genetic Algorithms. Y. Yi, E. Huellermeier
	Real World Applications: JEL132, 144, 153, 159, 199, 219. Chair: V. Profillidis
10:10	JEL132: Fuzzy Models and Cointegration Analysis for the Forecast of Tourist Demand. V. Profillidis, G. Botzoris, P. Lathiras.
10:30	JEL144: High interpretability using a fuzzy system in a manufacturing process inspection. P. Mariño, V. Pastoriza, M. Santamaría, E. Martínez
10:50	JEL153: A Fuzzy Buyer Agent for an Automatic Negotiation Framework on E-Commerce. R. Manjavacas, J.J. Castro-Sanchez.
11:10	JEL159: An Adaptable Fuzzy Emotion Model for Emotion Recognition. N. Esau, L. Kleinjohann, B. Kleinjohann.
11:30	JEL199: Chaotic behavior of Fuzzy Recurrent Models. A. Sokolov, M. Wagenknecht.
11:50	JEL219: Measuring poverty using fuzzy set theory: Turkish case. M. A. Basaran, S. Gunay, A. B. Yereli, A. Basaran.
	Fuzzy Modeling: JEL103, 108, 164, 239, 224, 244. Chair: C. Mencar
10:10	JEL103: Applying Fuzzy Logic to Operations Management Research. D. Arias, J.M. Sánchez, J.M. Zurita.
10:30	JEL108: Computed answer based on fuzzy knowledgebase– a model for handling uncertain information –. A. Achs.
10:50	JEL164: Some Fundamental Interpretability Issues in Fuzzy Modeling. C. Mencar, G. Castellano, A. M. Fanelli.
11:10	JEL224: About the Use of Ontologies for Fuzzy Knowledge Representation. I. J. Blanco, N. Martín, C.Martínez-Cruz, M.A. Vila.
11:30	JEL239: Fuzzy Modeling in the Agro-Climatic Domain. M. Valdés, J. A. Botía, A. F. Gómez-Skarmeta.
11:50	JEL244: The fuzzy sets in maintenance process. M ^a S.García, M ^a T. Lamata.

	S140-I: Fuzzy and Soft Computing Tools in Economy, Business and Management. Chair: E. López-Gonzalez
10:10	S140-01: <i>A Formal Framework and New Related Methods when Facing with Granularity in Unsupervised Learning.</i> V. Georgescu.
10:30	S140-02: <i>Logical Management Tools: Strategic Oriented Fuzzy Systems.</i> R. Espin, M. Hernández, M.E. Albert, D. Alfonso, J. Marx-Gómez, O. von Guericke, M.I. Lecich.
10:50	S140-03: <i>Decision Making And Fuzzy Inference: A New Linked Approach.</i> R. Espin-Andrade, J. Marx-Gómez, M. I. Lecich.
11:10	S140-04: <i>A Genetic Fuzzy System for the New Products Development.</i> C. Mendaña-Cuervo, E. López-González, B. González-Pérez.
11:30	S140-05: <i>A Fuzzy Model For Work Performance Assessment.</i> M. Delgado, F. Cofré.
11:50	S140-06: <i>Knowledge Mobilization through Re-addressable Ontologies.</i> M. Delgado, R. Pérez-Pérez, I. Requena.
	Theory of Fuzzy Sets-I: 111, 124, 128, 143, 179, 208. Chair: E. Trillas
10:10	JEL111: <i>On the Characterization of Sels-dual Aggregation Operators.</i> K. Maes, S. Saminger, B. De Baets.
10:30	JEL124: <i>Aggregation and Non-Contradiction.</i> A. Pradera, E. Trillas.
10:50	JEL128: <i>Analysis of a mean operator for data fusion.</i> R. Emilion, A. Doncescu, S. Regis, A. Meril.
11:10	JEL143: <i>On Some New Forms of Cycle-Transitivity and Their Relation to Commutative Copulas.</i> B. De Schuymer, H. De Meyer, B. De Baets.
11:30	JEL179: <i>A generalization of the OWA operator to evaluate non monotonic quantifiers.</i> L. Lietard, D. Rocacher.
11:50	JEL208: <i>XAO Operators – The interval universe.</i> J. Lázaro, T. Calvo.
12:10-13:30	Parallel Sessions
	Fuzzy Cardinality, Measures and Integrals I: JEL116, 131, 133, 165. Chair: P. Meyer
12:10	JEL116: <i>New axiomatizations of the Shapley interaction index for bi-capacities.</i> F. Lange, M. Grabisch.
12:30	JEL131: <i>MYRIAD: a tool suite for MCDA.</i> C. Labreuche.
12:50	JEL133: <i>On the use of the Choquet integral with fuzzy numbers in Multiple Criteria Decision Aiding.</i> P. Meyer, M. Roubens.
13:10	JEL165: <i>A maximum quadratic entropy principle for capacity identification.</i> I. Kojadinovic.
	Fuzzy Control I: JEL 106, 120, 139, 193. Chair: E. Alptekin
12:10	JEL106: <i>Improved Dtc Of Induction Motor With Fuzzy Resistance Estimator.</i> S. Benaicha, F. Zidani, R. Nait Said, M.S. Nait Said.
12:30	JEL120: <i>Optimization of the Fuzzy Logic Controller for an Autonomous UAV.</i> J. C. Ervin, S. E. Alptekin, D. J. DeTurris.
12:50	JEL139: <i>Concept of Level-Controlled R-S Fuzzy Memory Circuit..</i> M. Petrik.
13:10	JEL193: <i>Intelligent coordinated control scheme for improving steam power plant operations during load rejections.</i> H. Ahcene, Z. Mimoun.

	S105-I: Aggregation Operators: 01, 02, 05, 06. Chair: R. Mesiar
12:10	S105-1: Construction of RET operators from aggregation functions. M. Mas, M. Monserrat, J. Torrens.
12:30	S105-2: The domination relation between continuous t-norms. S. Saminger, B. De Baets, H. De Meyer.
12:50	S105-5: Generators of t-norms in interval-valued fuzzy set theory. G. Deschrijver.
13:10	S105-6: Additive generators of discrete conjunctive aggregation operations. G. Mayor, J. Monreal.
	S103-I: Evolutionary Fuzzy Systems. Chair: J. Casillas
12:10	S103-1: A Working Hypothesis on the Semantics/Accuracy Synergy. P. Fazendeiro, J. Valente de Oliveira.
12:30	S103-2: Predictive Knowledge Discovery by Multiobjective Genetic Fuzzy Systems for Estimating Consumer Behavior Models. J. Casillas, O. Delgado, F. J. Martinez-Lopez.
12:50	S103-3: Resolving the Conflict Between Competitive and Cooperative Behavior in Michigan-Type Fuzzy Classifier Systems. F. P. Haslinger, U. Bodenhofer.
13:10	S103-4: Multiobjective Formulations of Fuzzy Rule-Based Classification System Design. H. Ishibuchi, Y. Nojima.
	S113: Fuzzy Relations I. Chair: J. Jacas
12:10	S113-1: Stability, Indistinguishability and Small Numbers. C. Alsina, E. Trillas.
12:30	S113-2: Strict Fuzzy Orderings in a Similarity-Based Setting. U. Bodenhofer, M. Demirci.
12:50	S113-3: Aggregating using T-indistinguishability Operators. J. Jacas, J. Recasens.
13:10	S113-4: An algorithm to compute a T-transitive opening of a proximity. L. Garmendia, A. Salvador.
13:30-14:50	Lunch: "Polimenu"
14:50-16:30	Parallel Sessions
	S116-I: Fuzzy Sets in Probability and Statistics. Chair: E. Mrowka
14:50	S116-1: Possibility theory, interval fuzzy sets and imprecise probability. D. Dubois, H. Prade.
15:10	S116-2: Probability theory on Lukasiewicz posets. K. Lendelova.
15:30	S116-3: Probability theory of fuzzy events. M. Navara.
15:50	S116-4: On axiomatic probability theory on IFS events. B. Riecan.
16:10	S116-5: From Fuzzy Data to a fuzzy decision function, three equivalent ways. A. Wüschel.
	Fuzzy Mathematics and Fuzzy Logics I: JEL 117, 137, 138, 140, 220. Chair: A. Dvorak
14:50	JEL117: On fuzzy goal programming with piecewise linear satisfaction functions. M. Jiménez.
15:10	JEL137: Using Fuzzy Logic Techniques to Simplify a Grading System of Cereals. M. N. Lakhroua, M. Annabi.
15:30	JEL138: Towards Formal Theory of Measure on Clans of Fuzzy Sets. T. Kroupa.
15:50	JEL140: Fuzzy theories with fuzzy equality. A. Dvorak.
16:10	JEL220: A fuzzy expression processor with modifiers and hedges, conceptual design and tests. J. A. Martin, T. de Pedro, R. García-Rosa, C. González.

	<i>S105-II: Aggregation Operators: 03, 07, 08, 09, 16. Chair: R. Mesiar</i>
<i>14:50</i>	<i>S105-3: On compensatory bipolar aggregation operators. C. Labreuche, M. Grabisch.</i>
<i>15:10</i>	<i>S105-7: Distributive residual implications from uninorms. D. Ruiz-Aguilera, J. Torrens.</i>
<i>15:30</i>	<i>S105-8: On some properties of reverses of binary operations. M. Šabo.</i>
<i>15:50</i>	<i>S105-9: Applications of Schur-concave t-norms in pFCSP. E. Pap, A. Takači.</i>
<i>16:10</i>	<i>S105-16: A note on ordinal sums of t-norms on bounded lattices. S. Saminger, E.P. Klement, R. Mesiar.</i>
	<i>Theory of Fuzzy Sets II: JEL 107, 134, 135, 201, 246. Chair: C. Alsina</i>
<i>14:50</i>	<i>JEL107: On Iterative Boolean-Like Laws of Fuzzy Sets. C. Alsina, E. Trillas.</i>
<i>15:10</i>	<i>JEL134: Contour Lines: The Lost World. K. Maes, B. De Baets.</i>
<i>15:30</i>	<i>JEL135: On computing dominant and absorbent kernels in bipolar valued digraphs. R. Bisdorff.</i>
<i>15:50</i>	<i>JEL201: Algebraic Transfer Principle in Fuzzy Theory. M. Kondo.</i>
<i>16:10</i>	<i>JEL246: Calculation and approximate reasoning with ordered fuzzy numbers. W. Kosinski, P. Prokopowicz, D. Slezak.</i>
	<i>S140-II: Fuzzy and Soft Computing tools in Economy, Business and Management. Chair: M. Delgado</i>
<i>14:50</i>	<i>S140-07: Using dmFSQL For Financial Management. R. Alberto Carrasco, M. Amparo Vila.</i>
<i>15:10</i>	<i>S140-08: Using Fuzzy Data Cube for Exploratory Analysis in Financial Economy. C. Molina, M. E. Gómez, J. M. Torre, M. A. Vila.</i>
<i>15:30</i>	<i>S140-09: Comparative study of the Wages in Spain by using ADRI and TFC. J. Moreno-García, L. Jiménez.</i>
<i>15:50</i>	<i>S140-10: The performance of elements of fixed assets immersed in a context of uncertainty. A. M. Gil-Lafuente.</i>
<i>16:10</i>	<i>S140-11: Predisposition to Auto-Maintenance: Fuzzy Analysis. A.M. Gento, A. Redondo.</i>
<i>16:30-16:50</i>	<i>Coffee Break</i>
<i>16:50-17:40</i>	<i>Plenary Session II: Francesc Esteva. "Sala de Actos" - Vertex Building</i>

17:40-18:40	Parallel Sessions
	Intuitionist Fuzzy Sets and Related Concepts: JEL 123, 126, 196. Chair: J. Kacprzyk
17:40	JEL123: Geometric Interval Type-2 Fuzzy Systems. S. Coupland, R. John.
18:00	JEL126: Self-Contradiction Degrees in Intuitionistic Fuzzy Logic. E. Castiñeira, S. Cubillo, C. Torres, V. Zarzosa.
18:20	JEL196: A new measure of entropy and its connection with a similarity measure for intuitionistic fuzzy sets. E. Szmidt, J. Kacprzyk.
	S109-I: Eventology of Random Fuzzy Sets: 02, 03, 04. Chair: E. Goldenok
17:40	S109-02: Peculiarities Of Application Of Direct And Inverse Eventological Markowitz' Problems. E. E. Goldenok.
18:00	S109-03: On Inverse Eventological Markowitz' Problem. S. V. Klochkov.
18:20	S109-04: On new Notion of Eventological Means of Fuzzy Events. A. O. Vorob'ov.
	Evolutionary Fuzzy Systems: JEL 130, 182, 190. Chair: C. Labreuche
17:40	JEL130: Argumentation of the results of a multi-criteria evaluation model in individual and group decision aiding. C. Labreuche.
18:00	JEL182: Evolutionary temporal fuzzy control applied to adaptive distributed routing. M. A. Gadeo, J. R. Velasco.
18:20	JEL190: Incremental optimization of FIS using reinforcement learning. Pierre-Yves Glorennec.
	Fuzzy Neural Networks: JEL 158, 194, 233. Chair: J. Paulo Carvalho
17:40	JEL158: One step ahead prediction using Fuzzy Boolean Neural Networks. J. Tomé, J. P. Carvalho.
18:00	JEL194: The Neural Model of Dynamics of Unmanned Underwater Vehicle. M. B. Zak.
18:20	JEL233: On the technique of linguistic classification based on fuzzy neural network. V. A. Rybkin, I. S. Soldatenko, T. V. Bandurina.
	Fuzzy Heuristics and Rule Bases: JEL 110, 197, 207. Chair: R. Fuentes-Gonzalez
17:40	JEL110: Treatment of the incomplete information in L-Fuzzy contexts. C. Alcalde, A. Burusco, R. Fuentes-Gonzalez.
18:00	JEL197: Fuzzy Boxplot-based Induction Rules. Towards automatic generation of classes-interpretations. K. Gibert, A. Perez-B.
18:20	JEL207: A linguistic fuzzy model with a monotone rule base is not always monotone. E. Van Broekhoven and B. De Baets.
18:40-20:10	EUSFLAT MEETING: "Sala de Actos" - Vertex Building
20:30-22:30	Reception "La Cup Square"