

Thursday September 8, 2005

Time	
8:15-10:15	Parallel Sessions
	Fuzzyness Probability and Possibility: JEL 119, 180, 181, 205, 229, 240. Chair: D. Dubois
8:15	JEL119: A fuzzy approach to R&D project selection. C. Carlsson, R. Fuller, P. Majlender.
8:35	JEL180: Probabilities of Events Induced by Fuzzy Random Variables. C. Baudrit, I. Couso, D.Dubois.
8:55	JEL181: A fuzzy approach to capacity constrained MRP systems. J. Mula, R. Poler, J.P. García-Sabater.
9:15	JEL205: Probability on L-posets. K.Lendelova.
9:35	JEL229: Min-based fusion of possibilistic networks. S. Benferhat.
9:55	JEL240: Lexicographic Refinements in the Context of Possibilistic Decision Theory. L. Godo, A. Zapico.
	S107: Soft Computing for Information Access on the Web. Chair: J. A. Olivas
8:15	S107-1: e-Bay.Net: Helping Users to Buy in e-commerce Applications. L.M. de Campos, J.M. Fernandez-Luna J.F. Huete.
8:35	S107-2: A Reflection on the use of And. S. Guadarrama, E. Renedo.
8:55	S107-3: A New Model of Linguistic Weighted Information Retrieval System. E. Herrera-Viedma, A. G. López-Herrera, C. Porcel.
9:15	S107-4: Personalized Information Retrieval system in the Framework of Fuzzy Logic. M. Oussalah, A. Eltigani.
9:35	S107-5: Using graph-based fuzzy measures for measuring the similarity between words. V. Torra, Y. Narukawa.
9:55	S107-6: Fuzzy Cognitive Maps application for Web mining. A. Kakolyris, C. Stylios, V. Georgopoulos.
	S116-II: Fuzzy Sets In Probability and Statistics. Chair: P. Grzegorzewski
8:15	S116-06: Bootstrap statistical techniques and fuzzy random variables. M. Montenegro, G. González-R., A. Colubi, M.A. Gil.
8:35	S116-07: Fuzzy histograms: A Statistical Analysis. L. Walman, U. Kaymak, S. Van den Berg.
8:55	S116-08: Sampling inspections by attributes which are based on soft quality Standards. V. Krätschmer.
9:15	S116-09: Computing Temporal Trends in Web Documents. M.Last.
9:35	S116-10: Two-Sample Median Test for Vague Data. P. Grzegorzewski.
9:55	S116-11: The Friedman Test with Missing Observations. E. Mrowka.
	S106: Normal Forms in Fuzzy Approximation and Interpolation. I. Perfilieva
8:15	S106-01: Normal forms based fuzzy systems. M. Dankova.
8:35	S106-02: Some general considerations on the evaluation of fuzzy rule systems. S. Gottwald.
8:55	S106-03: Approximating models based on fuzzy transforms. I. Perfilieva.
9:15	S106-04: Genetic algorithms in fuzzy approximation. M. Dankova, M. Stepnicka.
9:35	S106-05: Fuzzy relation equations with dual composition. L. Noskova
9:55	S106-06: Data compression on the basis of fuzzy transforms. I. Perfilieva, R. Valasek.

	S120: Fuzzy and Soft Computing Techniques in Image Processing. Chair: J. Chamorro
8:15	S120-01: Possibilistic C-Means in Scene Matching. O. Sjahputera, J. M. Keller.
8:35	S120-02: An Approach to Image Retrieval on Fuzzy Object-Relational Databases using Dominant Color Descriptors. J. Chamorro, J. M. Medina, C. Barranco, E. Galán-Perales, J. M. Soto.
8:55	S120-03: On the Fuzzy Texture Spectrum for Natural Microtextures Characterization. A. Barceló, E. Montseny, P. Sobrevilla.
9:15	S120-04: On Automatic Selection of Fuzzy Homogeneity Measures for Path-based Image Segmentation. B. Prados-Suárez, J. Chamorro-Martínez, D. Sánchez.
9:35	S120-05: Progressive scan conversion based on edge-dependent interpolation using fuzzy logic. P. Brox, I. Baturone, S. Sánchez-Solano.
9:55	S120-06: An approach to Color Gradient Vector Argument considering Data Uncertainty. E. Montseny, B. Prados-Suárez, P. Sobrevilla, S. Romání.
10:15-10:35	Coffee Break
10:40-11:30	Plenary Session I: James Bezdek. “Sala de Actos” – Vertex Building
11:30-13:10	Parallel Sessions
	S108: Fuzzy Optimization Models in Real Problems. Chair: J.L. Verdegay
11:30	S108-01: Fuzzy Portfolio Selection: a comparative study. J. D. Bermúdez, V. Liern, J. V. Segura, D. Torres, E. Vercher.
11:50	S108-02: Multiobjective Evolutionary Fuzzy Modelling in Mobile Robotics. J. M. Lucas, H. Martínez, F. Jiménez.
12:10	S108-03: Fuzzy Optimization Problems in Wavelength Division Multiplexing (WDM) Networks. B. Melián, J. L. Verdegay.
12:30	S108-04: Heuristics to model the dependencies between Features in Fuzzy Pattern Matching. J. M. Cadenas, M. C. Garrido, J. J. Hernández.
12:50	S108-05: Soft Computing based Decision Support Systems: Two Prototypes for Combinatorial Optimization Problems. J. I. Peláez, A. Mesas, D. Pelta.
	S114: Fuzzy Relations II. Chair J. Recasens
11:30	S114-01: Indistinguishability in cooperative games. E. Hernández, J. Recasens.
11:50	S114-02: The vague sum and product of a finite number of real numbers in vague arithmetic. M. Demirci.
12:10	S114-03: Multiresolution Analysis and Fuzzy Indistinguishability Operators: a first approach. A. R. De Soto.
12:30	S114-04: A principled approach to fuzzy rule base interpolation using similarity relations. B. Bouchon-Meunier, F. Esteva, L. Godo, M. Rifqi, S. Sandri.
12:50	S114-05: A T-transitive approximation of a reflexive and symmetric fuzzy relation. L. Garmendía, A. Salvador.

	S115: Non Classical Unification and Generalized Logical Models. Chair: J. Medina
11:30	S115-01: Reasoning with uncertainty and context-dependent languages. C. Sossai.
11:50	S115-02: A connection between Similarity Logic Programming and Gödel Modal Logic. L. Blandi, L. Godo, R. Rodríguez.
12:10	S115-03: Fuzzy logic as an optimization task. P. Vojtás.
12:30	S115-04: Incomplete Fuzzy Information in Prolog. S. Muñoz-Hernandez, C. Vaucheret.
12:50	S115-05: Towards compositions of partially ordered monads. P. Eklund, M. A. Galán, W. Gahler, J. Medina, M. Ojeda-Aciego, A. Valverde.
	S150: Soft Computing for Signal Processing; JEL167, JEL221. Chair: J. Gutiérrez-Rios
11:30	S150-01: A Fuzzy Logic Approach to Solve Call Admission Control Issues in CDMA Systems. P. Dini, R. Cusani.
11:50	S150-02: Fuzzy logic and systems for signal separation. J. Serra, A. Pérez Neira.
12:10	S150-03: Approximation of fuzzy control response by delta-sigma modulation. J. Gutiérrez-Rios, F. Fernández Hernández.
12:30	JEL167: Robust Pole Placement for Fuzzy Models with Parametric Uncertainties: An LMI Approach. W. El Messoussi, O. Pagès, A. El Hajjaji.
12:50	JEL221: EMG-based Finger Movement Classification using transparent Fuzzy System. A. Zeghib, F. Palis, Fathi Ben-Ouezdou .
	S109-II: Eventology of Random Fuzzy Events. 109-01, 05, 06, 07, 08. Chair: O. Vorob'ov
11:30	S109-01: Eventological Theory Of Random Fuzzy Events. Oleg Yu. Vorob'ov.
11:50	S109-05: Recurrent Events And Fuzzy Sets. T. V. Kupriyanova.
12:10	S109-06: Quasi-Entropies Of Eventological Distributions. D. V. Semenova.
12:30	S109-07: Eventological Models Of Verbal Associations. A. V. Dedova.
12:50	S109-08: Eventological System Analysis And Its Applications. G. M. Boldyr.
13:10-14:30	Lunch: "Polimenu"
14:30-16:30	Parallel Sessions
	T-Norms and Related Concepts: JEL 104, 136, 176, 187, 204. Chair: F. Esteva
14:30	JEL104: A note on pseudo-Archimedean and non-cancellative t -norm. F. Karaçal.
14:50	JEL136: Extending the Monoidal T-norm Based Logic with an Independent Involutive Negation. T. Flaminio, E. Marchioni.
15:10	JEL176: On varieties generated by Weak Nilpotent Minimum t -norms. C. Noguera, F. Esteva, J. Gispert.
15:30	JEL187: Extended Triangular Norms on Gaussian Fuzzy Sets. J. T. Starczewski.
15:50	JEL204: Stronger version of standard completeness theorem for MTL. R. Horčík.

	Fuzzy Relations and Fuzzy Graphs: JEL 146, 155, 169, 177, 200, 237. Chair: J. Montero
14:30	JEL146: Basics of a formal theory of fuzzy partitions. P. Cintula.
14:50	JEL155: Sociometry Analysis System Applying Fuzzy Theory. K. Shinkai.
15:10	JEL169: Inclusion of Fuzzy Numbers – The Variable Plateau Case. M. Wagenknecht, V. Schneider.
15:30	JEL177: From sensitivity and specificity to confirmation and occurrence. T. Kiseliova, C. Moraga.
15:50	JEL200: An Approach to Consensus Reaching in Multiperson Decision Making Problems with Incomplete Information. S. Alonso, E. Herrera-Viedma, F. Chiclana, F. Herrera.
16:10	JEL237: A dimension-based representation in multicriteria decision making. D. Gómez, J.Montero, J. Yáñez.
	S105-III: Aggregation Operators. 105-4, 10, 11, 12, 14, JEL156. Chair: T. Calvo
14:30	S105-04: A general construction for unipolar and bipolar interpolative aggregation. M. Grabisch, Ch. Labreuche.
14:50	S105-10: Triangular norms and k-Lipschitz property. A. Mesiarová.
15:10	S105-11: Discrete copulas – what they are. R. Mesiar.
15:30	S105-12: Copulas with given diagonal section: some new results. F. Durante, R. Mesiar, C. Sempi.
15:50	S105-14: Identification of general and double aggregation operators using monotone smoothing. G. Beliakov, T. Calvo.
16:10	JEL156: A complete description of comparison meaningful functions. J. Luc Marichal, R. Mesiar, T. Rauckschlossov.
	Fuzzy Mathematics and Fuzzy Logics II: JEL 145, 175, 178, 217, 235. Chair: D. Dubois
14:30	JEL145: Towards a formal theory of fuzzy Dedekind reals. L. Behounek.
14:50	JEL175: Cost Estimations for Large Scale Engineering Projects under Uncertainties. D. Ruan, D. Maes, H. A. Abderrahim, J. Liu, L. Xu, J.B. Yang.
15:10	JEL178: Constructions of Models in Fuzzy Predicate Logics. P. Murinova.
15:30	JEL217: Practical use of fuzzy implicative gradual rules in knowledge representation and comparison with Mamdani rules. H. Jones, S. Guillaume, B. Charnomordic, D. Dubois.
15:50	JEL235: Fuzzy Logics and Sub-structural Logics without Exchange. M. F. Kawaguchi, O. Watari, M. Miyakoshi.
	Decision Making and Optimization: JEL 113, 163, 166, 209, 238. Chair: H. Prade
14:30	JEL113: Matrix Inference in Fuzzy Decision Trees. S. Aja-Fernández, C. Alberola-López.
14:50	JEL163: A decision support system prototype for implementing an interactive fuzzy multiple objective optimization method. F. Wu, J. Lu, G. Zhang.
15:10	JEL166: Entropy of bi-capacities. I. Kojadinovic, J.-Luc Marichal.
15:30	JEL209: E-business recommendation functionalities: handling uncertainty in a multi-criteria decision-making support system.A. Denguir-Rekik, G. Mauris, J. Montmain.
15:50	JEL238: Qualitative evaluation of decisions in an argumentative manner –A general discussion in a unified setting. H. Prade.
16:10-16:30	Coffee Break
16:30-17:20	Plenary Session II: Lotfi A. Zadeh. “Sala de Actos” – Vertex Building

17:30-18:50	Parallel Sessions
	S103-II: Evolutionary Fuzzy Systems. 103-05 to 08. Chair: B. Carse
17:30	S103-05: Hybrid Genetic Algorithms and Clustering. F. Mota Filho, F. Gomide.
17:50	S103-06: First Results from Further Experimental Comparisons Between Pittsburgh and Michigan Fuzzy Classifier Systems for Mobile Robotics. A.G. Pipe, B. Carse.
18:10	S103-07: Assessing the differences in accuracy between GFSs with bootstrap tests. L. Sanchez, J. Otero, J. Alcalá.
18:30	S103-08: Learning compact fuzzy rule-based classification systems with genetic programming. F. J. Berlanga, M ^a J. del Jesús, F. Herrera.
	Knowledge-Based Systems: JEL 157, 172, 173, 214. Chair: L. Magdalena
17:30	JEL157: Fuzzy Chess Tactics. J. P. Carvalho, N. Cavaco Horta, D. Chang Yan, P. Ramos e Silva.
17:50	JEL172: On Some Characterizations of Complete Fuzzy Preorders. S. Díaz, B. De Baets, S. Montes.
18:10	JEL173: A Simplification Process of Linguistic Knowledge Bases. J. M. Alonso, L. Magdalena, S. Guillaume.
18:30	JEL214: Integrating induced knowledge in an expert fuzzy-based system for intelligent motion analysis on ground robots. J. M. Alonso, L. Magdalena, S. Guillaume, M. A. Sotelo, L. M. Bergasa, M. Ocaña.
	Pattern Recognition and Image Processing: JEL 125, 149, 174, 195. Chair: J. Aguilar
17:30	JEL125: A Fuzzy Clustering for Supervision of Biological Processes by Image Processing. J.C Atine, A. Doncescu, J. Aguilar-Martin.
17:50	JEL149: Learning Fuzzy If-Then Rules for Pattern Classification with Weighted Training Patterns. T. Nakashima, Y. Yokota, H. Ishibuchi, G. Schaefer.
18:10	JEL174: Learning from uncertain image data using granular fuzzy sets and bio-mimetic applicability functions. J. Rossiter, T. Mukai.
18:30	JEL195: On the levels of fuzzy mappings and applications to optimization. Y. Chalco-Cano, H. Román-Flores, M. A. Rojas-Medar.
	S130-I: Intelligent Text and Web Mining and Retrieval Issues. 130-01 to 04. Chair: M. J. Martín-Bautista
17:30	S130-01: Text mining: intermediate forms on knowledge representation. C. Justicia, D. Sánchez, M.J. Martín-Bautista, M ^a . A. Vila.
17:50	S130-02: RSF - A New Tree Mining Approach with an Ecient Data Structure. F. Del Razo, A. Laurent, P. Poncelet, M. Teisseire.
18:10	S130-03: Filtering Information with imprecise social criteria: A FOAF-based backlink model. M.A. Sicilia, D. Palomar, E. García .
18:30	S130-04: On retrieval guided by extracted domain-specific knowledge. T. Andreassen, R. Knappe, H. Bulskov.
	S112: Soft Computing in Bioinformatics. Chair: D. Pelta
17:30	S112-01: Selecting protein fuzzy contact maps through information and structure measures. C. Bousoño-Calzón, A. Oropesa-García , N. Krasnogor.
17:50	S112-02: Fuzzy P systems and their applications in computational biology. J. Casasnovas, F. Rosselló.
18:10	S112-03: Fuzzy Clustering in Biochemical Analysis of Cancer Cells. X.-Y. Wang, J. M. Garibaldi, B. Bird M.W. George.
18:30	S112-04: Protein Structure Comparison through Fuzzy Contact Maps and the Universal Similarity Metric. D. Pelta, J. R. Gonzalez, N. Krasnogor.
20:30-24:00	Banquet