

Room	FLINS 2008 Final Program (updated, September 21)	
S118	MONDAY 22 , Opening Session , 09:00-09:30 <i>D. Ruan, J. Montero</i>	Opening Session. Chair: J. Tejada, Dean of the Faculty of Mathematics, Complutense University of Madrid <i>Welcome speech</i>
S118	MONDAY 22 , Plenary Session , 09:30-10:15 <i>W. Pedrycz</i>	Plenary Session. Chair: J. Kacprzyk <i>Knowledge sharing and collaboration in fuzzy processing</i>
S116	MONDAY 22 , Session MO1_A, 10:15-11:45 <i>H. Yan, V.N. Huynh, Y. Nakamori G. Kong, D.L. Xu, J.B. Yang R. de Andrés, J.L. García-Lapresta, M. Jiménez M. Zhang, Y. Zhang K. Juszczyszyn, G. Kolaczek</i>	Approaches for Information Fusion and its Application to Decision-Making. Chair: L. Martínez (organized by L. Martínez and J. Liu) <i>Subjective evaluation using fuzzy targets Applying a new rule-base inference methodology into clinical decision making A decision making procedure for designing human resources management Fuzzy semi-equivalent relation Web-based social network approach to information fusion</i>
S109	MONDAY 22 , Session MO1_B, 10:15-11:45 <i>D. Weifeng, Y. Li T. Li, C. Hu, X. Dong, H. Luo S. Trabelsi, Z. Elouedi X.H. Tang, G.Q. Chen, Q. Wei E.M. Furems</i>	Data Mining: Models, Techniques and Applications. Chair: T. Li (organized by T. Li and G. Wets) <i>A brief analysis about the basic reduction standards of decision table An approach for induction of decision trees under entropy and characteristic relation based rough sets Learning decision rules from uncertain data using rough sets Association rules based query evaluation improvement Knowledge-based multi-attribute classification problems structuring</i>
S108	MONDAY 22 , Session MO1_C, 10:15-11:45 <i>J. Feng, G. Xu J. Lu, X. Deng, X. Zeng, P. Vroman, F. Wu, G.Q. Zhang S. Alonso, S. Arambourg, F.J. Cabreri, E. Herrera-Viedma N. Erginel A. Karahoca, D. Karahoca</i>	Fuzzy Decision-Making: Theory and Applications. Chair: A. Karahoca (organized by C. Kahraman) <i>Study on mixed input attribute computing network model and boundary study algorithm A fuzzy multi-objective decision support system for nonwoven products experiment design Implementation of a mobile group decision making support system with incomplete information Fuzzy p control chart GSM churn management by using adaptive neuro fuzzy inference system GENO-ANFIS</i>
S116	MONDAY 22 , Session MO2_A, 12:15-13:45 <i>E. Zio, N. Pedroni, M. Broggi, L. Golea U. Gocht, M. Wagenknecht, J. Haenel, A. Traichel, M. Wieland P. Baraldi, E. Zio, G. Gola, D. Roverso, M. Hoffmann R. Razavi-Far, H. Davilu, C. Lucas P. Baraldi, E. Zio, I.C. Popescu</i>	Soft Computing Methods for Diagnosis and Prognosis. Chair: P. Baraldi (organized by E. Zio and P. Baraldi) <i>Locally recurrent neural networks for nuclear dynamics modeling A validation tool for component monitoring and condition-based maintenance of heat exchangers in nuclear power plants (NPP) Reconstruction of faulty signals by an ensemble of principal component analysis models optimized by a multi-objective genetic algorithm Model based fault diagnosis of a pressurized water reactor (PWR) nuclear power plant using fuzzy inference approach Fault classification in nuclear systems based on fuzzy clustering and logic</i>
S109	MONDAY 22 , Session MO2_B, 12:15-13:45 <i>Y. Gao, G.Q. Zhang, J. Lu, M. Goyal T. Tambouratzis, I. Páztit X. Zeng, X. Ge, P. Bruniaux C. Porcel, A.G. López-Herrera, E. Herrera-Viedma M. Zarghami, F. Szidarovszky</i>	Intelligent Decision, Emergency Management and Warning Systems. Chair: J. Lu (organized by J. Lu and G. Zhang) <i>A decision support system for fuzzy bilevel decision making Non-invasive on-line two-phase flow regime identification Developing an intelligent system for supporting fashion design decisions A recommender system to promote collaborative research groups in an academic context New approach in obtaining OWA weights for multi criteria decision making</i>
S108	MONDAY 22 , Session MO2_C, 12:15-13:45 <i>E. Induráin C. Alcalde, A. Burusco, R. Fuentes-González H. Bustince, R. Orduna, J. Fernández, J. Olagoitia, M. Pagola, E. Barrenechea H. Bustince, D. Villanueva, M. Pagola, E. Barrenechea, R. Orduna, J. Fernández, J. Olagoitia, P. Melo-Pinto, P. Couto B. Van Gasse, C. Cornelis, G. Deschrijver, E.E. Kerre</i>	Theory and Applications of Interval-Valued Fuzzy Sets. Chair: H. Bustince (organized by H. Bustince and P. Melo-Pinto) <i>New trends on representability of semiorders Interval-valued linguistic variables Relation between OWA operator of dimension two and Atanassov's operators. Construction Stereo matching algorithm using interval valued fuzzy similarity Pseudo-chain completeness of formal interval-valued fuzzy logic</i>

Poster Room	MONDAY 22 , Session POSTER, 15:15-16:00	Poster Session A. Chair: J. Yáñez
	B. Vitoriano, M.T. Ortuño, A.F. Ruiz-Rivas J.M. Merigó, M. Casanovas B. Oztaysi, L. Mich N.Ç. Demirel, G.N. Yücenur E.K. Zavadskas, A. Kaklauskas, A. Vlasenko A. Felipe, M.T. Ortuño, G. Tirado A. Ruiz, D.K. Anthony, A. Ramos E. Rakus-Andersson, M. Salomonsson, H. Zettervall D. Gómez, J. Montero V. López, Á. del Monte, J. Montero L. Garmendia, A. Salvador, J. Montero L. Garmendia, R. González, J. Recasens J.A. Martín, M. Santos S. Sieniutycz L. Feng, L. Ma X. Liu, J.Q. Zhang, Z. Tong, W. Cai X. Song, Y. Ding, Y. Luo J. Zhang, J. Lu, G.Q. Zhang X. Ma, G. Zhang, F. Wen Z.R. Lu, S. Wu, R. Han, J. Duan H. Mo, Z. Li, J.B. Park, Y.H. Joo, X. Li H. Han, Y. Ding, F. Liu G. Zhang, G.Q. Zhang, H. Xie Z. Zhang, L. Zhang, S.C. Zhong, J. Guan J.J. Rainer, J. Gómez, R. Galán	A goal programming model for humanitarian aid distribution Decision making with distance measures and induced aggregation operators Technology selection for radio frequency identification (RFID) based actions-tracking system using fuzzy analytic hierarchy process (AHP) Selection of the most suitable city for a nuclear power plant by using fuzzy analytic hierarchy process (AHP) and fuzzy analytic network process (ANP) methodologies Web-based voice stress analyser decision support systems for e-examination Neighborhood structures to solve the double traveling salesman problem (TSP) with multiple stacks using local search Using genetic algorithms to find multiple optimal solutions for modelling an ultrasonic transducer from noisy experimental data Two-player games with fuzzy entries of the payoff matrix Determining the accuracy in supervised fuzzy classification problems Fuzzy logic in real estate valuation Computing a T-transitive opening of a proximity An algorithm to compute the transitive closure, a transitive approximation and a transitive opening of a proximity Application of orthogonal variant moments to computer vision An approach of optimal control type to model fluids with heat flow Risk analysis of disaster loss based on maximum entropy principle Severe grassland fire disaster risk analysis using information diffusion in Northern China Attribute reduction method for predicting Chinese companies' financial failure risk An integrated framework of early warning systems Complementary optimization algorithm for solving the two-level stochastic programming model in electricity market The function comparison of substitution and enforcement in human flow affected by website information flow On the fitness of high order schema of a linear-weighted coded genetic algorithm A maximum entropy approach for collaborative warning in oceanic data processing Hybrid genetic algorithm based on distance density and quasi-simplex technique Improving algorithm Apriori for data mining Automatic presentations generation based on patterns for tour-guide robots
S118	MONDAY 22 , Plenary Session , 16:00-16:30	Plenary Session. Chair: J. Montero
	L. Magdalena	What is Soft Computing? Revisiting possible answers
S116	MONDAY 22 , Session MO3 A, 16:30-18:00	Multicriteria Decision Making. Chair: B. Vitoriano (organized by B. Vitoriano)
	A.B. Malinowska A. Jiménez, A. Mateos, S. Rios-Insua, A. Bryhn A. Petrovski W. Ogryczak, B. Kozłowski F. Dugardin, F. Yalaoui, L. Amodeo	Changes of the solution set by adding objectives to multicriteria optimization problems Selecting intervention strategies for the Ringkøbing Fjord on the basis of decision analyses Group sorting and ordering multiple criteria alternatives Reference point method with importance weighted ordered achievements Reentrant lines scheduling and Lorenz dominance: a comparative study
S109	MONDAY 22 , Session MO3 B, 16:30-18:00	Fuzzy Decision Making Issues: Preference Modelling and Aggregation. Chair: F. Chiclana (organized by S. Alonso and F. Chiclana)
	S.M. Zhou, F. Chiclana, R.I. John, J.M. Garibaldi T.C. Pais, R.A. Ribeiro, Y. Devouassoux, S. Reynaud S. Diaz, S. Montes, B. De Baets D. Sánchez, M.J. Martín-Bautista, M. Delgado, M.A. Vila B. Llamazares, R.A. Marques-Pereira	A practical approach to type-1 OWA operation for soft decision making Regions rating for selecting spacecraft landing sites Towards fuzzy interval orders A restriction level approach to preference modelling On obtaining majority rules through mixture operators
S108	MONDAY 22 , Session MO3 C, 16:30-18:00	Fuzzy Decision-Making: Theory and Applications. Chair: C. Kahraman (organized by C. Kahraman)
	I. Kaya, C. Kahraman C. Kahraman, I. Kaya H. Wang, J. Liu A.Ç. Tolga, C. Kahraman Ö. Kabak, F. Ülengin	Fuzzy process accuracy index as a decision making tool Process improvement using fuzzy robust process capability indices Combining evidence in multivariate data spaces A new fuzzy real options valuation model: its application to multicriteria R&D project selection Aggregating forecasts to obtain fuzzy demands
S118	MONDAY 22 , Plenary Session, 18:00-19:00	Plenary Session. Chair: E.E. Kerre
	L.A. Zadeh	Fuzzy logic: a new look

Room	TUESDAY	
S116	TUESDAY 23 , Session TU1_A, 09:30-11:00	Regular Session. Chair: X. Zeng
	<i>L. Stefanini</i> <i>A. Iglesias, M.D. del Castillo, M. Santos, J.I. Serrano, J. Oliva</i> <i>V. Novák, M. Stepnicka, I. Perfilieva, V. Pavliska</i> <i>P. Cordero, G. Gutiérrez, J. Martínez, M. Ojeda-Aciego, I. de las Peñas</i> <i>I. Perfilieva, M. Danková</i>	<i>Fuzzy transform with parametric LU-fuzzy partitions</i> <i>A comparison between possibility and probability in multiple criteria decision making</i> <i>Analysis of periodical time series using soft computing methods</i> <i>Congruence relations on multilattices</i> <i>Image fusion on the basis of fuzzy transforms</i>
S109	TUESDAY 23 , Session TU1_B, 09:30-11:00	Intelligent Control. Chair: M. Santos (organized by M. Santos)
	<i>S. Satorres, J. Gómez, J. Gámez, A. Sánchez</i> <i>J.V. Salcedo, S. García-Nieto, D. Lauri, M. Martínez</i> <i>J. Ospina, E. Canuto</i> <i>J.M. de la Cruz-García, E. Besada-Portas, L. de la Torre-Cubillo, B. de Andrés-Toro</i> <i>M.A. Olivares, P. Campoy, C. Martínez, J.F. Correa, I. Mondragón</i>	<i>An expert knowledge based sensor planning system for car headlight lens inspection</i> <i>Asymptotically exact sum of squares stabilization conditions for discrete Takagi-Sugeno fuzzy systems</i> <i>Embedded model control and the error loop</i> <i>Multiobjective path planner for unmanned air vehicles (UAVs) based on genetic algorithms</i> <i>Fuzzy control system navigation using priority areas</i>
S108	TUESDAY 23 , Session TU1_C, 09:30-11:00	Fuzzy Decision-Making: Theory and Applications. Chair: G. Resconi (organized by C. Kahraman)
	<i>S. Cebi, M. Celik</i> <i>C. Kahraman, O. Engin, M.K. Yilmaz</i> <i>G. Resconi</i> <i>I. Bereketli, M.E. Genevois, Y.E. Albayrak, M. Özyol</i> <i>S. Sentürk</i>	<i>Ship machinery installation based on fuzzy information axiom: the case of compressed air system</i> <i>A new artificial immune system algorithm for multi objective fuzzy flow shop scheduling: a real world application</i> <i>Inferential process by morphogenetic system</i> <i>Waste electric and electronic equipment (WEEE) treatment strategies' evaluation using fuzzy linear programming for multidimensional analysis of preference (LINMAP) method</i> <i>Fuzzy regression control chart</i>
S118	TUESDAY 23 , Plenary Session , 11:00-11:45	Plenary Session. Chair: V. Novak
	<i>P.P. Bonissone</i>	Soft computing applications in prognostics and health management (PHM)
S116	TUESDAY 23 , Session TU2_A, 12:15-13:45	Computational Intelligence Systems for Society and Policy Support. Chair: D. Ruan (organized by D. Ruan)
	<i>U. Cebeci</i> <i>S. Rao</i> <i>E. Hermans, D. Ruan, T. Brijs, G. Wets, K. Vanhoof</i> <i>J.T. Rodríguez, B. Vitoriano, J. Montero, A. Omaña</i> <i>P.L. Kunsch</i>	<i>Joint Commission International consultant selection for hospitals by fuzzy analytic hierarchy process (AHP)</i> <i>A nature-inspired computational approach to discern unhealthy nuclear intentions of nation states</i> <i>Evaluation of road safety performance indicators using OWA operators</i> <i>A decision support tool for humanitarian operations in natural disaster relief</i> <i>A statistical multicriteria decision aiding technique</i>
S109	TUESDAY 23 , Session TU2_B, 12:15-13:45	Approaches for Information Fusion and its Application to Decision-Making. Chair: R.A. Ribeiro (organized by L. Martínez and J. Liu)
	<i>A. Salguero, F. Araque, C. Delgado</i> <i>F.J. Cabrerizo, S. Alonso, E. Herrera-Viedma, F. Herrera, F. Chiclana</i> <i>P. Châtel, I. Truck, J. Malenfant</i> <i>X. Wang, Y. Zhao, W.A. Halang</i> <i>G. Mayor, O. Valero</i>	<i>Data integration algorithm for data warehousing based on ontologies metadata</i> <i>A selection process to deal with incomplete fuzzy preference relations in a 2-tuple fuzzy linguistic approach</i> <i>A linguistic approach for non-functional constraints in a semantic service-oriented architecture (SOA) environment</i> <i>Concept similarity in multirelational application ontologies</i> <i>Aggregating asymmetric distances in Computer Science</i>
S108	TUESDAY 23 , Session TU2_C, 12:15-13:45	Recent Advances in Atanassov's Intuitionistic Fuzzy Sets. Chair: E. Barrenechea (organized by E. Barrenechea and E. Szmidt)
	<i>E. Castiñeira, S. Cubillo, W. Montilla</i> <i>H. Bustince, E. Barrenechea, M. Pagola, J. Fernández, J. Olagoitia, P. Melo-Pinto, P. Couto</i> <i>E. Szmidt, J. Kacprzyk</i> <i>A. Michalíková</i> <i>L. Zou, F. Sun, K. Xu, L. Yang, Y. Xu</i>	<i>On the incompatibility between two Atanassov's intuitionistic fuzzy sets (AIFS)</i> <i>Contrast computing using Atanassov's intuitionistic fuzzy sets</i> <i>A new approach to ranking alternatives expressed via intuitionistic fuzzy sets</i> <i>Extension of submeasures on MV-algebras with values in L-groups</i> <i>A kind of decision making approach based on six-element linguistic truth-valued intuitionistic fuzzy propositional logic</i>

Poster Room	TUESDAY 23 , Session POSTER, 15:15-16:00	Poster Session B. Chair: D. Gómez
	J. Gutiérrez, M. Santos F. Alonso, M. Santos A. López-Paredes, C. Hernández, M. Posada, J. Pajares E. Giovannozzi, JET-EFDA Contributors G. de Arcas, J.M. López, M. Ruiz, E. Barrera, J. Nieto, J. Vega, G.A. Rattá, A. Murari A. Pereira, J. Vega, A. Portas, R. Castro, A. Murari, JET-EFDA Contributors E. Ronchi, S. Conroy, E.A. Sunden, G. Ericsson, M.G. Johnson, C. Hellesen, H. Sjostrand, M. Weiszflög, JET-EFDA Contributors K. Xu, J. Lai, X. Li, X. Pan, Y. Xu Z. Chang, Y. Xu, J. Liu, J. Lai J. Lai, Y. Xu, X. Pan, Z. Chang, K. Xu, X. Li L. Yang, Y. Wang, Y. Xu Y. Wang, H. Jin, L. Yang X. Li, X. Pan, K. Xu, J. Lai, Y. Xu X. Pan, K. Xu, X. Li, J. Lai, Y. Xu J. Yáñez, S. Muñoz, J. Montero F. Samadzadegan, S. Saeedi S. Saeedi, M.R. Malek, M.R. Delavar, A. Tayyebi F.G. Lupiáñez S. Cebi, M. Celik, D. Er, C. Kahraman G. Büyükoçkan, D. Ruan J.I. Peláez, J.M. Doña, D.L. La Red, C.R. Brys J.L. García-Lapresta, D. Pérez-Román E.J. Castellano, L. Martínez, P.J. Sánchez J.M. Merigó, M. Casanovas E.H. Cables, M.S. García-Cascales, M.T. Lamata	Artificial neural networks for the routing in proactive ad-hoc networks Genetic algorithm (GA) optimization of the height of a low Earth orbit Strategic behaviour, rationality and bargaining power in two-stage games with artificial socially inspired agents Object-oriented interactive access to JET database Design of an advanced intelligent instrument with waveform recognition based on the ITMS platform Optimized search strategies to improve structural pattern recognition techniques Applications of neural networks for free unfolding of experimental data from fusion neutron spectrometers Adjustment strategy for a dual-fuzzy-neuro controller using genetic algorithms – application to gas-fired water heater The structure of linguistic truth-valued lattice implication algebra Reasoning rules of linguistic truth values lattice-valued first order logic with generalized quantifiers based on linguistic truth-valued lattice implication algebra (L-LIA) A method of linguistic truth-valued concept lattice for decision-making A self-organized Chinese word map Linguistic-valued aggregation operators applied to multiple attribute group decision making Tautology theory in propositional fuzzy logic based on Lukasiewicz implication algebra on [0,1] Graph coloring inconsistencies in image segmentation Vision based navigation of aerial vehicles based on geo-referenced imagery An intuitionistic fuzzy analytical network process for parking site selection Some recent results on Atanassov's intuitionistic fuzzy topological spaces Structuring ship design project approval mechanism towards operator-system interfaces via fuzzy axiomatic design principles A multi-criteria aggregation approach to software development risk management A linguistic model for citizen participation in electronic government Some consensus measures and their applications in group decision making OrieB, a linguistic collaborative recommender system (CRS) for supporting decision making in academic orientation Decision making with Dempster-Shafer belief structure using the 2-tuple linguistic representation model The use of different norms in the TOPSIS decision making method
S118	TUESDAY 23 , Plenary Session, 16:00-16:30	Plenary Session. Chair: G. Chen
	P. D'Hondt	SCK•CEN, the Belgian Nuclear Research Centre research towards a sustainable option
S116	TUESDAY 23 , Session TU3_A, 16:30-18:00	Logic-Based Reasoning and Decision-Making under Uncertainty: Approaches, Algorithms and Applications. Chair: J. Liu (organized by J. Liu and Y. Xu)
	M. Wu, M. Zhang G. Kolaczek, K. Juszczyszyn E. Roanes-Lozano, A. Hernando, L.M. Laita, E. Roanes-Macias Z. Lu, J. Liu, J.C. Augusto, H. Wang A. Ustundag, M.S. Kilinc, E. Cevikcan	A constructive method of the finest splitting of belief set Subjective logic-based framework for rating and composition of web services A shell for rule-based expert systems development using Gröbner bases-based inference engines Multi-valued temporal reasoning framework for decision-making Fuzzy rule based system for the economic analysis of radio frequency identification (RFID) investments
S109	TUESDAY 23 , Session TU3_B, 16:30-18:00	Preference Modelling on the Web. Chair: S. Miyamoto (organized by E. Herrera-Viedma and A.G. López-Herrera)
	J. Carbo, J.M. Molina-López A.V. Smirnov, A.A. Krizhanovsky S. Miyamoto, Y. Kawasaki L.M. de Campos, J.M. Fernández-Luna, J.F. Huete, M.A. Rueda-Morales L. Martínez, M.J. Barranco, L.G. Pérez, M. Espinilla, E.J. Castellano	Fuzzy reputation in the ART testbed Information filtering based on Wiki index database Text analysis based on bag neighborhood model and application to incident reports Using structural knowledge in a content-based recommender system A knowledge based recommender system with multigranular hierarchical linguistic contexts
S108	TUESDAY 23 , Session TU3_C, 16:30-18:00	Regular Session. Chair: Z. Li
	R.M. de Moraes, L.S. Machado J.S. Benítez-Read, E. Rojas-Ramírez A.A.M. Meneses, R. Schirru P. Baraldi, E. Zio, M. Librizzi P. García, A. García, J.M. Pastor	Online training assessment in virtual reality simulators based on Gaussian Naive Bayes A mobile monitoring system controlled by computational intelligence techniques Influence of the confinement in the particle swarm optimization of combinatorial problems for application to the nuclear reactor fuel reloading A fuzzy logic model for the assessment of crew performance in simulated scenarios Radio frequency identification (RFID) in physical platforms of agents: application in airport management
	TUESDAY 23 , Gala Diner, 20:00-23:30	Gala Diner.
	"Florida Park" Restaurant at Paseo de Panamá, 1	"Parque del Retiro", Menéndez Pelayo entrance, in front of Ibiza street and "Ibiza" Metro exit, line 9

Room	WEDNESDAY	
S116	WEDNESDAY, Session WE1_A, 09:30-11:00	Regular Session. Chair: P. Melo-Pinto
	<i>J. Arroyo, C. Maté N. Rodríguez, E. Yáñez J. Mockor B.J. Falkowski I. Aguiló, J. Martín, G. Mayor, J. Suñer</i>	<i>Forecasting time series of observed distributions with smoothing methods based on the barycentric histogram Swarm intelligence based multivariate polynomial for anchovy catches forecasting Fuzzy logic models in a category of sets with similarities Parallel implementation of certain neural network algorithms Triangle functions on spaces of distance discrete distribution functions</i>
S109	WEDNESDAY, Session WE1_B, 09:30-11:00	Computing with Words and Decision Making. Chair: F. Herrera (organized by F. Herrera and E. Herrera-Viedma)
	<i>J.M. Mendel J.H. Wang, J. Hao J. Lu, Y. Zhu, X. Zeng, L. Koehl, J. Ma, G.Q. Zhang J.L. García-Lapresta, M. Martínez-Panero J.M. Merigó, A.M. Gil-Lafuente</i>	<i>Historical reflections on perceptual computing Aggregation of ordinal information in multi-criteria multi-person decision making based on Choquet integral of Fubini type A fuzzy multi-criteria group decision support system for textile material fabric-hand evaluation Sorting alternatives into linguistic classes and their aggregation The induced linguistic generalized OWA operator</i>
S108	WEDNESDAY, Session WE1_C, 09:30-11:00	Fuzzy Decision-Making: Theory and Applications. Chair: Z. Ulukan (organized by C. Kahraman)
	<i>L. Martínez, M. Espinilla, L.G. Pérez, J. Liu H.Z. Ulukan, Y. Kop, E. Ünlüyildiz E. Bas H. Behret, C. Kahraman N. Yalaoui, H. Mahdi, L. Amodeo, F. Yalaoui</i>	<i>Extended linguistic hierarchies for dealing with multi-granular contexts in decision making Evaluating the failure risk level of an enterprise resource planning (ERP) project using fuzzy extended analytic hierarchy process (AHP) Internal rate of return of fuzzy cash flows based on pessimistic and optimistic fuzzy-relation approach A fuzzy clustering application in a cellular manufacturing system Hybrid method for solving a layout problem</i>
S118	WEDNESDAY Plenary Session, 11:00-11:45	Plenary Session. Chair: J.M. Mendel
	<i>E. Trillas</i>	<i>Why do fuzzy representations need a careful design?</i>
S116	WEDNESDAY, Session WE2_A, 12:15-13:45	Soft Computing in Image Processing: Recent Advances. Chair: I. Perfilieva (organized by M. Nachtgael)
	<i>C. Platero, G. Asensio, P. González, M.C. Tobar, J. Sanguino, J.M. Poncela L.G. de la Fraga, G. Morales-Luna Y. Shi, E.E. Kerre I. El-Zakhem, A.A. Younes, I. Truck, H. Greige, H. Akdag H. Kang, X. Zeng, A. Taleb-Ahmed, A. Pinti</i>	<i>Analytic formulation for 3D diffusion tensor Ellipse fitting using Nelder-Mead and differential evolution Fuzzy adjunctions and fuzzy morphological operations based on fuzzy implications Modeling personal perception into user profile for image retrieving Integration of human knowledge for automatic tissue classification on medical images</i>
S109	WEDNESDAY, Session WE2_B, 12:15-13:45	Intelligent Decision, Emergency Mangement and Warning Systems. Chair: J. Feng (organized by J. Lu and G. Zhang)
	<i>G.Q. Zhang, X. Yang, J. Lu A.V. Smirnov, N. Shilov, T. Levashova S. Cebi, C. Kahraman Q. Ma, J. Feng, C. Shi A. Ustundag, E. Cevikcan, M.S. Kilinc</i>	<i>A support vector machine (SVM) based classification approach for early warning systems Hybrid technology for disaster response Developing a decision support system based on fuzzy information axiom Marine alert processing based on intelligent fusion Sales forecasting for a Turkish paint producer: artificial intelligence based methods versus multiple linear regression</i>
S108	WEDNESDAY, Session WE2_C, 12:15-13:45	Recent Advances in Atanassov's Intuitionistic Fuzzy Sets. Chair: E. Szmidt (organized by E. Barrenechea and E. Szmidt)
	<i>C. Torres-Blanc, E. Castiñeira, S. Cubillo P. Mazureková, V. Valencáková P. Mazureková C.J. Hinde, R.S. Patching, S.A. McCoy A. Bassiri, M.R. Malek, A.A. Alesheikh</i>	<i>Measuring contradiction between two Atanassov's intuitionistic fuzzy sets (AIFS) Conditional M-probability Ergodic theorem on intuitionistic fuzzy (IF) sets Similarity based on mutual support in mass assignment linked intuitionistic fuzzy sets Rough spatio-temporal topological relationships</i>

S118	WEDNESDAY, Plenary Session , 15:30-16:00	Plenary Session. Chair: P. D'hondt
	<i>A. Murari, J. Vega, G. de Arcas, G. Vagliasindi, JET-EFDA Contributors</i>	<i>New information processing methods for control in magnetically confinement nuclear fusion</i>
S116	WEDNESDAY, Session WE3_A, 16:00-17:30	New frontiers in data analysis methods for nuclear fusion: the transition from JET to ITER. Chair: J. Vega (organized by J. Vega and A. Murari)
	<i>J. Vega, G.A. Rattá, P. Castro, A. Murari, JET-EFDA Contributors</i>	<i>Development of learning systems with data tours techniques for fusion databases</i>
	<i>G. Vagliasindi, P. Arena, L. Fortuna, A. Murari, JET-EFDA Contributors</i>	<i>Comparison between classification and regression tree (CART) and fuzzy logic for confinement regime classification at JET</i>
	<i>R. Fischer, A. Dinklage</i>	<i>Integrated data analysis for nuclear fusion</i>
	<i>A.A. Lukianitsa, F.S. Zaitsev</i>	<i>Advanced methods for analysis of plasma diagnostics data</i>
	<i>P. Baraldi, F. Cadini, E. Zio, I.C. Popescu, P. Richir, L. Dechamp, M. Caviglia, Z. Dzbikowicz, G. Janssens-Maenhout</i>	<i>A fuzzy clustering algorithm for the classification of non-linear functional behaviors in nuclear reprocessing plants</i>
S109	WEDNESDAY, Session WE3_B, 16:00-17:30	Preference Modelling on the Web. Chair: E. Herrera-Viedma (organized by E. Herrera-Viedma y A.G. López-Herrera)
	<i>P. Victor, M. De Cock, C. Cornelis, A.M. Teredesai</i>	<i>Getting cold start users connected in a recommender system's trust network</i>
	<i>R. Pedraza-Jiménez, L. Codina, C. Rovira</i>	<i>Semantic web adoption: online tools for web evaluation and metadata extraction</i>
	<i>J. Kacprzyk, S. Zadrozny</i>	<i>On a concept of a consensus reaching process support system based on the use of soft computing and web techniques</i>
	<i>G. Fenza, V. Loia, S. Senatore</i>	<i>A user-centric approach to model semantic web services request</i>
	<i>F. Mata, L. Martínez, J.C. Martínez, E. Herrera-Viedma</i>	<i>An adaptive consensus support system for group decision making (GDM) problems with heterogeneous information</i>
S108	WEDNESDAY, Session WE3_C, 16:00-17:30	Fuzzy Decision-Making: Theory and Applications. Chair: F. Yalaoui (organized by C. Kahraman)
	<i>T. Demirel, U. Yalcin</i>	<i>Multi-criteria wind power plant location selection using fuzzy analytic hierarchy process (AHP)</i>
	<i>H. Chehade, F. Yalaoui, L. Amodeo, P. de Guglielmo</i>	<i>Ant colony optimization for assembly lines design problem</i>
	<i>J. Arsenyan, G. Büyükoçkan</i>	<i>Evaluation of e-learning web sites using fuzzy axiomatic design with group decision</i>
	<i>H. Tozan, O. Vayvay</i>	<i>The response of bullwhip effect to grey and fuzzy grey GM(1,1) forecasting models</i>
	<i>C. Kahraman, I. Uçal</i>	<i>Fuzzy real options valuation for oil investments</i>
S118	WEDNESDAY, Closing Session , 17:30-18:00	Closing Session. Chair: D. Ruan
	<i>J. Montero</i>	<i>Poster Awards and farewell</i>