Program of the MDAI06 Conference

Monday, 3rd April

9:00 Registration

9:30 Opening Session
- Aida Valls, General Chair
- Josep Domingo, General Chair
- Vicenç Torra, PC Chair
- Yasuo Narukawa, PC Chair

10:00 Plenary talk
- **J. Dujmovic** (San Francisco State University, USA), Asymmetric and Compound Preference Aggregators

11:15 Coffee break

11:30 Session M1: Decision: Applications
- Evaluating model construction methods with objective rule evaluation indices to support human experts. *H. Abe, S. Tsumoto, M. Ohsaki, T. Yamaguchi*
- A multicriteria fuzzy decision system to sort contaminated soils. *M. Garcia, E. López, V. Kumar, A. Valls*
- A comparing method of two team behaviours in the simulation coach competititon. *J. A. Iglesias, A. Ledezma, A. Sanchis*
- On the use of tools based on fuzzy set theories in parametric software cost estimation. *F. J. Crespo, Ó. Marbán*
- Using fuzzy set theory to assess country-of-origin effects on the formation of product attitude. *K. Brijs, K. Vanhoof, T. Brijs, D. Karlis*

13:15 Lunch time (at the conference site)

15:00 Plenary talk:
- **J. Sabater** (IIIA-CSIC, Catalonia, Spain), Towards the next generation of computational trust and reputation models

16:15 Break

16:30 Session M2: Aggregation Operators and Fuzzy Measures - I
- Non-monotonic fuzzy measures and intuitionistic fuzzy sets. *Y. Narukawa, V. Torra*
- A defuzzification method of fuzzy numbers induced from weighted aggregation operations. *Y. Yoshida*
- Classifying Fuzzy Measures. *L. Garmendia*

18:30 Guided tour to Tarragona

Tuesday, 4th April

8:30 Session T1-A: Decision - I
- Preference modeling by rectangular bilattices. *O. Arieli, C. Cornelis, G. Deschrijver*
- Measuring the specificity of fuzzy sets on infinite domains. *L. Garmendia, A. Salvador*
- An agent negotiation engine for collaborative decision making. *T. Wanyama, B. H. Far*
- Learning causal bayesian networks from observations and experiments: a decision theoretic approach. *S. Meganck, P. Leray, B. Manderick*

08:30 Session T1-B: Clustering
- Clustering and aggregation of web query session data for user profiling. *D. Nettleton*
- Path bitmap indexing for retrieval of XML documents. *J,.-M. Lee, B.-Y. Hwang*
- On fuzzy c-means for data with tolerance. *R. Murata, Y. Endo, H. Haruyama, S. Miyamoto*
- Towards automatic generation of interpretation as a tool for modelling decisions. *K. Gibert, A. Perez Bonilla*

10:00 Plenary talk:
- **M. Sugeno** (Doshisha University, Japan), Computational models of language toward brain-style computing

11:15 Coffee break

11:30 Session T2: Aggregation Operators and Fuzzy Measures - II
- Decision aggregation in an agent-based financial investment planning system. *Z. Zhang*
- Generated universal fuzzy measures. *R. Mesiar, A. Mesiarová, L. Valásková*
- Aggregation of valued relations applied to association rule interestingness measures. *J.-P. Barthélemy, A. Legrain, P. Lenca, B. Vaillant*
- On the relationship between the quantifier threshold and OWA operators. *L. Troiano, R. R. Yager*
- On a characterization of IF probability. *J. Petrovicova, B. Riecan*

13:15 Lunch time (at the conference site)

15:00 Session T3: Information Fusion
- Fusion of sensory information, internal models, and policy in autonomic computing systems. *B. Barry, J. Strassner*
- OEGMerge: a case-based model for merging ontologies. *M. Fernandez-Lopez, A. Gomez-Perez, J. A. Ramos*
- Concurrent fusion via sampling and LinOP-Aggregation for medical data. *A. Holland, M. Fathi*

16:00 Session T4: Learning - I
- Bayesian correction for SNP ascertainment bias. *M. M. Abad-Grau, P. Sebastiani*
- Improving fuzzy rule-based decision models by means of a genetic 2-tuples based tuning and the rule selection. *R. Alcalá, J. Alcalá-Fdez, F. J. Berlanga, M. J. Gacto, F. Herrera*
- An application of support vector machine to companies' financial distress prediction. *X.-F. Hui, J. Sun*

- On the use of variable-size fuzzy clustering for classification. *V. Torra, S. Miyamoto*

19:30 Reception in Tarragona Town Hall

21:00 Conference dinner

Wednesday, 5th April

09:00 Session W1-A: Learning - II
- Probabilistic verification of uncertain systems using bounded-parameter markov decision processes. *D. Wu, X. Koutsoukos*
- Embedding sample points relevance in linear SVM classification. *B. Apolloni, D. Malchiodi*
- Toward the development of a population model by a multi-agent simulator. *K. Hirayama*

9:00 Session W1-B: Decision - II
- Strategies to manage ignorance situations in multiperson decision making problems. *S. Alonso, E. Herrera-Viedma, F. Chiclana, F. Herrera, C. Porcel*
- The pairwise comparison model: the multiplicative and the additive approach. *A. J. Herencia-Leva, M. T. Lamata, C. Perez-Melendez*
- Simultaneous decision networks with multiple objectives as support for strategic planning. *I. Blecic, A. Cecchini, G. A. Trunfio*

10:00 Plenary talk:
- **S. Greco** (University of Catania, Italy), Dominance-based rough set approach to case-based reasoning

11:15 Coffee break

11:30 Session W2-A: Learning - III
- Reducing the amount of input data in traffic sign classification. *A. Granados, A. Ledezma, G. Gutierrez, A. Sanchis*
- Modality argumentation programming. *J. C. Nieves, U. Cortes*

11:30 Session W2-B: Privacy and risk assessment
- Integrated fuzzy approach for system modeling and risk assessment. *V. Kumar, M. Schuhmacher, M. Garcia*
- Watermarking non-numerical databases. *A. Solanas, J. Domingo-Ferrer*
- New approach to the re-identification problem using neural networks. *J. Nin, V. Torra*

12:40 Closing remarks

13:00 Lunch time (at the conference site)

MDAI06 at a glance

08:30-08:45						
08:45-09:00						
09:00-09:15	Registration	Session T1-A [Room A]	Session T1-B [Room B]	Session W1-A [Room A]	Session W1-B [Room B]	
09:15-09:30						
09:30-09:45	Opening session [Conference Room]					
09:45-10:00						
10:00-10:15	Plenary Talk **J.Dujmovic** [Conference Room]	Plenary Talk **M.Sugeno** [Conference Room]		Plenary Talk **S.Greco** [Conference Room]		
10:15-10:30						
10:30-10:45						
10:45-11:00						
11:00-11:15						
11:15-11:30	Coffee break	Coffee break		Coffee break		
11:30-11:45	Session M1 [Conference Room]	Session T2 [Conference Room]		Session W2-A [Room A]	Session W2-B [Room B]	
11:45-12:00						
12:00-12:15						
12:15-12:30						
12:30-12:45						
12:45-13:00				Closing session		
13:00-13:15				Lunch		
13:15-15:00	Lunch	Lunch				
15:00-15:15	Plenary Talk **J.Sabater** [Conference Room]	Session T3 [Conference Room]				
15:15-15:30						
15:30-15:45						
15:45-16:00						
16:00-16:15						
16:15-16:30	Coffee break					
16:30-16:45	Session M2 [Conference Room]	Session T4 [Conference Room]				
16:45-17:00						
17:00-17:15						
17:15-17:30						

Social Activities

Monday, 18:30: Guided tour to Tarragona: Starting at *Portal del Roser*

Tuesday, 19:30: Reception in Tarragona Town Hall: *Plaça de la Font*

Tuesday, 21:00: Conference dinner: *Restaurant Les Voltes*

Indications

Conference Room	Sala de Graus	ground floor
Room A	Room 214	2nd floor
Room B	Room 216	2nd floor
Computer Room	1st floor (over Conference Room)	

The computer room has PCs and WIFI area: Monday&Tuesday 11:00-17:30, Wednesday 11:00-15:00