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. Tsunoto, M. Ohsaki, T. Yamaguchi
- A multicriteria fuzzy decision system to sort contaminated soils. M. Garcia, E. Lopez, V. Kumar, A. Valls
- A comparing method of two team behaviours in the simulation coach competition. 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, O. Marban
- Using fuzzy set theory to assess country-of-origin effects on the formation of product attitude. K. Brijs, K. Vanhoof, T. Brijs, D. Karulis

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

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

11:15 Coffee break

11:30 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

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
- Towards the development of a population model by a multi-agent simulator. K. Hirayama

13:15 Lunch time (at the conference site)

15:00 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 for with multiple objectives as support for strategic planning. I. Blecic, A. Cecchini, G. A. Tranfo

16:00 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. Barthelemy, 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
- 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. Sebastianni
- 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-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 for with multiple objectives as support for strategic planning. I. Blecic, A. Cecchini, G. A. Tranfo

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

12:40 Closing remarks

13:00 Lunch time (at the conference site)
MDAI06 at a glance

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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