

**The 7th International Conference on
Modeling Decisions for Artificial Intelligence**
Perpignan, French Catalonia, France, October 27 - 29, 2010

Wednesday, 27th October:

11:00 - 13:00 Registration (Room: Salle du Grand Large)

11:30 - 12:30 Lunch time

13:00 Opening Session

- Marc Daumas, General Chair, MDAI 2010
- Vicenç Torra, Program Committee co-chair, MDAI 2010
- Yasuo Narukawa, Program Committee co-chair, MDAI 2010

13:30 Plenary Talk (Room: Salle du Grand Large):

- **J. Domingo** (U. Rovira i Virgili, Tarragona, Catalonia), Chair: V. Torra
User privacy in web search

14:30 Parallel A: Computational Intelligence I (Room "Salle du Levant") Chair: S. Miyamoto

- Gallbladder Segmentation in 2-D Ultrasound Images using Deformable Contour Methods
M. Ciecholewski
- Pattern Mining on Stars with FP-Growth
A. Silva, C. Antunes
- Non-hierarchical Clustering of Decision Tables toward Rough Set-based Group Decision Aid
M. Inuiguchi, R. Enomoto, Y. Kusunoki
- An Enhanced Framework Of Subjective Logic For Semantic Document Analysis
S. Manna, B. Sumudu, U. Mendis, T. Gedeon

14:30 Parallel B: Aggregation Operators I (Room "Salle du Couchant")
Chair: S. Grieu

- Measuring the Influence of the k-th Largest Variable on Functions over the Unit Hypercube
J.-L. Marichal, P. Mathonet
- Measuring the Interactions among Variables of Functions over the Unit Hypercube
J.-L. Marichal, P. Mathonet
- Weighted quasi-arithmetic means and the conditional expectations
Y. Yoshida
- Modelling group decision making problems in changeable conditions
I. J. Perez, S. Alonso, F. J. Cabrerizo, E. Herrera-Viedma

16:00 Coffee Break

16:20 Parallel A: Data Privacy I (Room "Salle du Levant") Chair: A. Valls

- Towards semantic microaggregation of categorical data for confidential documents
D. Abril, G. Navarro-Arribas, V. Torra
- Rational Privacy Disclosure in Social Networks
J. Domingo-Ferrer
- A Misleading Attack against Semi-supervised Learning for Intrusion Detection
F. Zhu, J. Long, W. Zhao, Z. Cai

16:20 Parallel B: Aggregation Operators II (Room "Salle du Couchant")

Chair: A. Honda

- Individual Opinions-based Judgment Aggregation Procedures
F. Benamara, S. Kaci, G. Pigozzi
- Aggregation of bounded fuzzy natural number-valued multisets
J. Casanovas, J. V. Riera
- Managing Information Fusion with Formal Concept Analysis
Z. Assaghir, M. Kaytoue, A. Napoli, H. Prade
- A difference in the Shapley values between marginal and cumulative approaches on restricted domains
K. Fujimoto

17:40 Adjourn

20:00 Banquet at Grand Hotel - les Flamants Roses

Note: We will have a bus leaving from the Hotel du Port at 19:45

Thursday, 28th October:

9:00 Clustering (Room "Salle du Levant") Chair: Y. Yoshida

- Indefinite Kernel Fuzzy c-Means Clustering Algorithms
Y. Kanzawa, Y. Endo, S. Miyamoto
- Algorithms in Sequential Fuzzy Regression Models Based on Least Absolute Deviations
H. Tang, S. Miyamoto
- A generalized approach to the suppressed fuzzy c-means algorithm
L. Szilagy, S. M. Szilagy, C. Kiss
- Semi-supervised Agglomerative Hierarchical Clustering Using Clusterwise Tolerance Based Pairwise Constraint
Y. Hamasuna, Y. Endo, S. Miyamoto

10:20 Coffee Break

10:40 Parallel A: Computational Intelligence II (Room "Salle du Levant") Chair: J. Long

- A Computational Intelligence Based Framework for One-Subsequence-Ahead Forecasting of Nonstationary Time Series
V. Georgescu
- Revisiting natural actor-critics with value function approximation
M. Geist, O. Pietquin
- A Cost-Continuity Model for Web Search
D. F. Nettleton, J. Codina
- A bibliometric index based on collaboration distances
M. Bras, J. Domingo-Ferrer, V. Torra

10:40 Parallel B: Aggregation Operators III (Room "Salle du Couchant") Chair: J.-L. Marichal

- Sugeno Utility Functions I: Axiomatizations
M. Couceiro, T. Waldhauser
- Sugeno Utility Functions II: Factorizations
M. Couceiro, T. Waldhauser
- Entropy of non-additive measure in Dempster-Shafer Theory
A. Honda, M. Nohmi, Y. Okazaki
- Choquet integral of a function on the real line
Y. Narukawa, V. Torra, M. Sugeno

12:00 Lunch time (it will be served in the Forecourt of the "Salle du Grand Large")

13:00 Excursion to Carcassone

Friday, 29th October:

10:00 Plenary Talk (Room: Salle du Grand Large):

- **D. Dubois** (Université Paul Sabatier IRIT, Toulouse, France), Chair: Y. Narukawa
Relationships between qualitative and quantitative scales for aggregation operations: the example of Sugeno integrals

11:00 Coffee Break

11:20 Parallel A: Data Privacy II (Room "Salle du Levant") Chair: J. Domingo

- Ontology-based anonymization of categorical values
S. Martinez, D. Sanchez, A. Valls
- Using classification methods to evaluate attribute disclosure risk
J. Nin, J. Herranz, V. Torra
- NetMI: An Artificial Neural Networks Approach for Multiple Imputation
J. Nin

11:20 Parallel B: Aggregation Operators IV (Room "Salle du Couchant") Chair: K. Fujimoto

- Algebraic properties of matrix operations derived from t-norm and t-conorm and applications to trust evaluation of networks
M. Nohmi, A. Honda, Y. Okazaki
- A Fuzzy Weights Representation for Inner Dependence AHP using Sensitivity Analysis
S. Ohnishi, T. Yamanoi, H. Imai
- On independence, expectation and distances: Choquet integrals and mahalanobis distance
V. Torra, Y. Narukawa

12:20 Closing Session

12:30 Lunch time (additional information in due time)