Modeling Decisions for Artificial Intelligence MDAI 2008

Program

Thursday, 30th October

09:00 Registration

09:15 Opening Session
  - Montserrat Capdevila, Sabadell Town Councillor for Industry and Economic Promotion, and member of the Sabadell University Association
  - Vicenç Torra, Program Committee co-chair
  - Yasuo Narukawa, Program Committee co-chair

09:30 Plenary Talk:
    Prof. Michio Sugeno (Doshisha University, Japan)   Chair: Y. Narukawa
    Toward Elucidating Language Functions in the Brain

10:30 Coffee break

11:00 Aggregation – I   Chair: W. Ogryczak
Suitability Maps Based on the LSP Method
    J. J. Dujmovic, G. De Tre, N. Van de Weghe
Aggregated Mean Ratios of an Interval Induced from Aggregation Operations
    Y. Yoshida
The uncertain induced generalized OWA operator
    J. M. Merigó, M. Casanovas

12:00 Fuzzy Measures and Integrals   Chair: E. Herrera-Viedma
The polytope of fuzzy measures and its adjacency graph
    E. F. Combarro, P. Miranda
Shapley type axiomatization of a solution of game on set systems
    A. Honda, Y. Okazaki
Quality evaluations of network services using a non-additive set function
    D. Mori, A. Honda, M. Uchida, Y. Okazaki

13:00 Lunch (planned in trhe conference building)

14:30 Clustering and Similarity   Chair: A. Pradera

Fuzzy Classification Function of Standard Fuzzy c-Means Algorithm for Data with Tolerance using Kernel Function
  Y. Kanzawa, Y. Endo, S. Miyamoto

On Projection Correlation – Proposal for a New Dissimilarity and Application to Hierarchical Clustering Algorithms
  Y. Endo, F. Uchida, Y. Hamasuna

A similarity measure for sequences of categorical data based on the ordering of common elements
  C. Gomez-Alonso, A. Valls

15:30 Dynamic Programming   Chair: Y. Yoshida

Golden Complementary Dual in Quadratic Optimization
  A. Kira, S. Iwamoto

Deterministic Decision Process under Range Constraint Through all Stages
  T. Fujita

An Intelligent Approach on American Look-Back Option
  T. Ueno, K. Tsurusaki

16:30 Coffee Break

16:50 Decision Making   Chair: J. Domingo

On Consensus Measures in Fuzzy Group Decision Making
  S. Alonso, F.J. Cabrerizo, I. Perez, E. Herrera-Viedma

SBM and Bipolar Models in Data Envelopment Analysis with Interval Data
  M. Inuiguchi, F. Mizoshita

A comparison between two approaches to threat evaluation in an air defense scenario
  F. Johansson, G. Falkman

A Generic Model for Situated Holonic Multi-Agent Systems: A Case Study on Sensor Web Management
  M. Mehdi, J. Nafaa, M. Bernard

18:10 Adjourn

20:30 Conference Dinner
  Restaurant La Rambla
  Address:
     Rambla 194-196, 08201 Sabadell

Friday, 31st October

10:30 Coffee break

11:00 Privacy   Chair: M. Inuiguchi
A Linear-Time Multivariate Micro-aggregation for Privacy Protection in Uniform Very Large Data Sets
      A. Solanas, R. Di Pietro
Improving Microaggregation for Complex Record Anonymization
      J. Pont-Tuset, J. Nin, P. Medrano-Gracia, J. Ll. Larriba-Pey, V. Muntés-Mulero
A Shared Steganographic File System With Error Correction
      J. Domingo-Ferrer, M. Bras-Amorós

12:00 Aggregation – II   Chair: G. De Tré
WOWA Enhancement of the Preference Modeling in the Reference Point Method
      W. Ogryczak
Uninorms and Non-Contradiction
      A. Pradera
Choquet Stieltjes integral, Losonczi's means and OWA Operators
      V. Torra, Y. Narukawa

13:00 Lunch (planned in trhe conference building)

14:30 Computational Intelligence   Chair: S. Miyamoto
A Comprehensive Study on Reducts in Dominance-Based Rough Set Approach
      Y. Kusunoki, M. Inuiguchi
Fuzzy Rule-Based Learning for Waypoint Selection in a Car Racing Game
      T. Nakashima, Y. Shoji, G. Schaefer
Container Loading for Nonorthogonal Objects Using Weighted Criteria
      I. Cano, V. Torra

15:30 Coffee Break

15:50 Clustering – II   Chair: A. Valls
Analytical and Numerical Evaluation of the Suppressed Fuzzy C-Means Algorithm
      L. Szilagyi, S. Miklos Szilagyi, Z. Benyo
Generalized Agglomerative Clustering with Application to Information Systems
      S. Miyamoto
New Clustering Algorithms by using Tolerance Vector
      Y. Hamasuna, Y. Endo, S. Miyamoto

16:50 Closing Session