

SUM 2019 TENTATIVE PROGRAMME



Monday 16th

- 8:45 Registration**
- 9:15 Conference opening**
- 9:30 Tutorial: Kay R. Amel (IA research group)**
From shallow to deep interactions between knowledge representation, reasoning and machine learning
- 10:15 Coffee break**
- 10:45 Morning session**
Three papers
- 12:00 Keynote talk: Wolfgang Gatterbauer**
Algebraic approximations of the probability of Boolean functions
- 13:00 Lunch**
- 14:00 Tutorial: Thierry Denœux**
Belief functions
- 14:45 Afternoon session 1**
Three papers
- 16:00 Coffee break**
- 16:30 Afternoon session 2**
Four papers

Tuesday 17th

- 9:30 Tutorial: Marie-Jeanne Lesot**
Subspace clustering and some soft variants
- 10:15 Coffee break**
- 10:45 Morning session**
Three papers
- 12:00 Keynote talk: Jérôme Lang**
Computational social choice
- 13:00 Lunch**
- 14:00 Tutorial: Christophe Gonzales**
Dealing with continuous variables in graphical models
- 14:45 Afternoon session 1**
Three papers
- 16:00 Coffee break**
- 16:30 Afternoon session 2**
Four papers
- 19:00 Gala dinner** *meeting in town center*

Wednesday 18th

- 9:30 Tutorial: Maximilian Schleich**
Learning models over relational data: an abridged overview
- 10:15 Coffee break**
- 10:45 Morning session**
Three papers
- 12:00 Keynote talk: Cassio P. de Campos**
Towards scalable and robust sum-product networks
- 13:00 Lunch**
- 14:00 Afternoon session 1**
Three papers
- 15:15 Coffee break**
- 15:45 Afternoon session 2**
Three papers
- 17:00 Conference closing**

List of accepted papers:

- N. Benabbou and T. Lust. An Interactive Polyhedral Approach for Multi-Objective Combinatorial Optimization with Incomplete Preference Information.
- S. Benferhat, Z. Bouraoui, O. Papini and E. Würbel. Assertional Removed Sets Merging of DL-Lite Knowledge Bases.
- M. Bounhas, M. Pirlot, H. Prade and O. Sobrie. Comparison of analogy-based methods for predicting preferences.
- M. Bounhas and H. Prade. An analogical interpolation method for enlarging a training dataset.
- N. Bourdache, P. Perny and O. Spanjaard. Active Preference Elicitation by Bayesian Updating on Optimality Polyhedra.
- R. Bouslama, R. Ayachi and N. Ben Amor. Using Convolutional Neural Network in Cross-Domain Argumentation Mining Framework.
- M. Chaveroche, F. Davoine and V. Cherfaoui. Efficient Möbius Transformations and their applications to D-S Theory.
- M. Crosscombe, J. Lawry and P. Bartashevich. Evidence Propagation and Consensus Formation in Noisy Environments.
- D. Dubois and H. Prade. Towards a reconciliation between reasoning and learning – a position paper.
- S. Dumbrava, A. Bonifati, A. Nazabal Ruiz Diaz and R. Vuillemot. Approximate Querying on Property Graphs.
- P.-L. Guillot and S. Destercke. Preference Elicitation with Uncertainty: Extending Regret Based Methods through Belief Functions.
- E. Hullermeier, I. Couso and S. Destercke. Learning from Imprecise Data: Adjustments of Optimistic and Pessimistic Variants.
- L. Jacquin, A. Imoussaten, F. Troussset, J. Montmain and D. Perrin. Evidential classification of incomplete data via imprecise relabelling: application to plastic sorting.
- M. A. Javidian, M. Valtorta and P. Jamshidi. Order-Independent Structure Learning of Multivariate Regression Chain Graphs.

- T. Kawasaki, S. Moriguchi and K. Takahashi. Hybrid reasoning on a bipolar argumentation framework.
- I. Kuhlmann and M. Thimm. Using Graph Convolutional Networks for Approximate Reasoning with Abstract Argumentation Frameworks: A Feasibility Study.
- C. Labreuche. Explaining Hierarchical Multi-Linear Models.
- S. Lagrue and S. Destercke. Cautious inferences in interval-valued logic.
- C. L'Héritier, S. Harispe, A. Imoussaten, G. Dusserre and B. Roig. Selecting relevant association rules from imperfect data.
- H. Martin and P. Perny. Computational Models for Cumulative Prospect Theory: Application to the Knapsack Problem Under Risk.
- S. Mutmainah, H. Samir, F. Pichon and D. Mercier. On learning evidential contextual corrections from soft labels using a measure of discrepancy between contour functions.
- N. Potyka. Open-Mindedness of Gradual Argumentation Semantics.
- S. Renooij and L. C. van der Gaag. The Hidden Elegance of Causal Interaction Models.
- Y. Salhi. Measuring Inconsistency through Subformula Forgetting.
- M. Thimm. An Experimental Study on the Behaviour of Inconsistency Measures.
- M. Thimm. Inconsistency Measurement.
- Z. Tong, P. Xu and T. Denœux. ConvNet and Dempster-Shafer Theory for Object Recognition.
- N. Wilson, D. Dubois and H. Prade. CP-nets, pi-prefnets, and Pareto dominance.
- J. Xie and V. Antoine. On a new evidential C-Means algorithm with instance-level constraints.