

Preliminary programme

Wednesday, Sept 16

19:30 - 22:00 **Welcome Party** (*Hotel Monínec*)

Thursday, Sept 17

8:55 - 9:00 **Introduction** (*Radim Jiroušek*)

Conditional independence & Trees

(*Nihat Ay*)

9:00 - 9:35 **Jose M. Peña**

Representing Independence Models with Elementary Triplets

9:40 - 10:15 Jing Xi, **Jin Xie**, Ruriko Yoshida, Stefan Forcey
Stochastic safety radius on Neighbor-Joining method and Balanced Minimal Evolution on small trees

10:15 - 10:40 **Coffee Break**

Information geometry

(*František Matúš*)

10:40 - 11:15 **Paolo Perrone**, Nihat Ay

Decomposition of Markov Kernels

11:20 - 11:55 **Guido Montúfar**, Johannes Rauh

Hierarchical Models as Marginals of Hierarchical Models

12:05 - 13:35 **lunch**

13:35 **Walking Tour** (*meeting point: lobby*)

19:30 - 22:00 **Dinner** (*hotel restaurant*)

Friday, Sept 18

Fuzzy sets & coherence theory

(*Masahiro Inuiguchi*)

9:00 - 9:35 **Andrea Capotorti**, D. Petturiti, V. Poggioni

A learning methodology for coherent hybrid probabilistic fuzzy classifiers

9:40 - 10:15 G. Coletti, **Davide Petturiti**, B. Vantaggi

Fuzzy Sets through Likelihood in Probabilistic and Possibilistic Frameworks

10:15 - 10:40 **Coffee Break**

Fuzzy sets & polytopes

(*Giulianella Coletti*)

10:40 - 11:15 **Masahiro Inuiguchi**, T. Hamakawa, S. Ubukata
Utilization of Imprecise Rules Induced by MLEM2 Algorithm

11:20 - 11:55 **Guido Montúfar**, Johannes Rauh

Mode Poset Probability Polytopes

11:55 - 12:05 **10 minutes break**

Belief functions

(*Jiřina Vejnarová*)

12:05 - 12:40 **Milan Daniel**

Homomorphic Coordinates of Dempster's Semigroup

13:00 - 14:30 **Lunch** (*hotel restaurant*)

Probabilistic reasoning

(*Andrea Capotorti*)

14:30 - 15:05 **Gernot D. Kleiter**

P-validity in a psychological context

15:10 - 15:45 **Robert Brunetto**, Marta Vomlelová

Reinforcement Structural Learning

15:45 - 16:10 **Coffee Break**

Applications of graphical models

(*Radim Jiroušek*)

16:10 - 16:45 **Vera Djordjilović**, Monica Chiogna, Jiří Vomlel

An empirical comparison of popular algorithms for learning gene networks

16:50 - 17:25 Jiří Vomlel, **Václav Kratochvíl**

Influence diagrams for speed profile optimization: computational issues

17:25 - 17:35 **10 minutes break**

Trouble-shooting

(*Jiří Vomlel*)

17:35 - 18:10 **Václav Lín**

Algorithms for single-fault troubleshooting with dependent actions

19:30 - 22:00 **Conference dinner** (*hotel restaurant*)

Saturday, Sept 19

Compositional models

(*Otakar Kříž*)

9:00 - 9:35 **Jiřina Vejnarová**

Relationship of Compositional Models and Networks in Imprecise Probabilities Frameworks

9:40 - 10:15 **Vladislav Bína**

Properties of composition for continuous variables

10:15 - 10:40 **Coffee Break**

Decision-making

(*Gernot Kleiter*)

10:40 - 11:15 **Peter A. Thwaites**, Jim Q. Smith

A New Method for tackling Asymmetric Decision Problems

11:20 - 11:55 **Otakar Kříž**

Diagnostic problem without marginals

11:55 - 12:05 **10 minutes break**

Decision-making

(*Jose Peña*)

12:05 - 12:40 **Vladimíra Sečkárová**

On Linear Probabilistic Opinion Pooling Based on Kullback-Leibler Divergence

13:00 - 14:30 **Lunch** (*hotel restaurant*)

15:00 **Departure of the bus to Prague** (*lobby*)