The workshop takes place at the Faculty of Social Sciences of Charles University in Jinonice. The address is U kříže 8, Praha 5. The location is easily accessible by the underground (Metro) line B, station Jinonice. The university building is about 300 meters from the underground station. In time of registration on Tuesday afternoon and on Wednesday morning the way to the conference site from the station Jinonice will be marked. Coffee and lunches will be served also in this building.

Tuesday, September 12

15:00 – 20:00  Registration
16:00 – 19:00  Walking tour
15:45  Meeting at the registration desk.
A bus will take us near to the Prague Castle and a professional guide will guide us on a tour through Prague. We will visit the Prague Castle, the Lesser Town, Charles Bridge, Old Town Square, and other Prague sightseeings.

14:00 – 16:00  Poster Session I: Decision-Making, Applications
Chair: Kristian G. Olesen
- Complexity Results for Enhanced Qualitative Probabilistic Networks. Johan Kwisthout and Gerard Tel
- Preprocessing the MAP Problem. Janneke H. Bolt and Linda C. van der Gaag
- Sensitivity analysis of extreme inaccuracies in Gaussian Bayesian Networks. Miguel A. Gómez-Villegas, Paloma Mainí, and Rosario Susi
- A Bayesian Network Framework for the Construction of Virtual Agents with Human-like Behaviour. Olav Bangsø, Nicolaj Søndberg-Madsen, and Finn V. Jensen

16:30 – 18:15  Applications to Decision-Making
Chair: Antonio Salmerón
16:30  Selecting Strategies for Infinite-Horizon Dynamic LIMIDS. Marcel A. J. van Gerven and Francisco J. Díez
17:05  Diagnosing Lyme disease - Tailoring patient specific Bayesian networks for temporal reasoning. Kristian G. Olesen, Ole K. Hejlesen, Ram Dessau, Ivan Beltoft, and Michael Trangeled
17:40  Abstraction and Refinement for Solving Continuous Markov Decision Processes. Alberto Reyes, Pablo Ibargüengoytia, L. Enrique Sucar, and Eduardo Morales

19:30 – 22:00  Welcome Party
19:00  Meeting at the registration desk.
The Welcome Party takes part in Michnův Palác - a part of Tyršův dům - situated in the heart of the city’s Lesser Town (Malá Strana). The address of Michnův Palác is Újezd 40/450, Praha 1.

Wednesday, September 13

08:30 – 09:00  Registration
09:00 – 09:05  Workshop Opening - Radim Jiroušek

09:05 – 10:50  Inference I (General)
Chair: Linda C. van der Gaag
- Dynamic Weighting A* Search-based MAP Algorithm for Bayesian Networks. Xiaoxun Sun, Marek J. Druzdzel, and Changhe Yuan
- Dynamic importance sampling in Bayesian networks using factorisation of probability trees. Irene Martínez, Carmelo Rodríguez, and Antonio Salmerón
- Optimal Design with Design Networks. Yang Xiang

09:05  Locally specified credal networks. Alessandro Antonucci and Marco Zaffalon
09:35  Geometry of rank tests. Jason Morton, Lior Puchter, Anne Shiu, Bernd Sturmfels, and Oliver Wiendahl
10:10  Reading Dependencies from the Minimal Undirected Independence Map of a Graphoid that Satisfies Weak Transitivity. Jose M. Peña, Roland Nilsson, Johan Björkegren, and Jesper Tegnér

09:00 – 10:45  Theoretical Foundations
Chair: Milan Studený
09:00  Locally specified credal networks. Alessandro Antonucci and Marco Zaffalon
09:35  Geometry of rank tests. Jason Morton, Lior Puchter, Anne Shiu, Bernd Sturmfels, and Oliver Wiendahl
10:10  Reading Dependencies from the Minimal Undirected Independence Map of a Graphoid that Satisfies Weak Transitivity. Jose M. Peña, Roland Nilsson, Johan Björkegren, and Jesper Tegnér

Thursday, September 14

16:00 – 16:30  Coffee Break

16:00 – 18:15  Applications to Decision-Making
Chair: Antonio Salmerón
16:30  Selecting Strategies for Infinite-Horizon Dynamic LIMIDS. Marcel A. J. van Gerven and Francisco J. Díez
17:05  Diagnosing Lyme disease - Tailoring patient specific Bayesian networks for temporal reasoning. Kristian G. Olesen, Ole K. Hejlesen, Ram Dessau, Ivan Beltoft, and Michael Trangeled
17:40  Abstraction and Refinement for Solving Continuous Markov Decision Processes. Alberto Reyes, Pablo Ibargüengoytia, L. Enrique Sucar, and Eduardo Morales

19:30 – 22:00  Welcome Party
19:00  Meeting at the registration desk.
The Welcome Party takes part in Michnův Palác - a part of Tyršův dům - situated in the heart of the city’s Lesser Town (Malá Strana). The address of Michnův Palác is Újezd 40/450, Praha 1.
11:20 – 12:30 Classification I: Theory
Chair: Pedro Larrañaga
11:20 Evidence and Scenario Sensitivities in Naive Bayesian Classifiers.
Silja Renooij and Linda van der Gaag
11:55 Multi-dimensional Bayesian Network Classifiers.
Linda C. van der Gaag and Peter R. de Waal

12:30 – 14:00 Lunch

14:00 – 16:00 Poster Session II: Theoretical Foundations, Learning, Classification. Chair: Jiří Vomlel
- Lattices for Studying Monotonicity of Bayesian Networks. Linda van der Gaag, Silja Renooij, and Petra Geenen
- A Short Note on Discrete Representability of Independence Models. Petr Šimeček
- Probabilistic Independence of Causal Influences. Adam Zagorecki and Marek J. Druzdzel
- Learning Semi-Markovian Causal Models using Experiments. Stijn Meganck, Sam Maes, Philippe Leray, and Bernard Manderick
- Learning the Tree Augmented Naive Bayes Classifier from incomplete datasets. Olivier C.H. François and Philippe Leray
- Learning Complex Bayesian Network Features for Classification. Péter Antal, András Gécsi, Gábor Hullám, and András Millinghoff
- Learning Bayesian Networks Structure using Markov Networks. Christophe Gonzales and Nicolas Jouven
- Unsupervised naive Bayes for data clustering with mixtures of truncated exponentials. José A. Gámez, Rafael Rumi, and Antonio Salmerón
- Dependency networks based classifiers: learning models by using independence tests. José A. Gámez, Juan L. Mateo, and José M. Puerta
- The Independency tree model: a new approach for clustering and factorization. M. Julia Flores, José A. Gámez, and Serafin Moral

16:30 – 18:15 Classification II: Learning Aspects
Chair: Jim Smith
16:30 Bayesian Model Averaging of TAN Models for Clustering. Guzmán Santafé, Jose A. Lozano, and Pedro Larrañaga
17:05 Symmetric Causal Independence Models for Classification. Rasa Jurgelenaite and Tom Heskes
17:40 Discriminative Scoring of Bayesian Network Classifiers: a Comparative Study. Ad Feelders and Jevgenijs Ivanovs

Friday, September 15

09:00 – 10:45 Learning I (General)
Chair: Marek J. Druzdzel
09:00 Estimation of linear, non-gaussian causal models in the presence of confounding latent variables. Patrik O. Hoyer, Shohei Shimizu, and Antti J. Kerminen
09:35 Some Variations on the PC Algorithm. Joaquín Abellán, Manuel Gómez-Olmedo, and Serafin Moral
10:45 – 11:20 Coffee Break

11:20 – 12:30 Learning II (Hidden Variables)
Chair: Peter Lucas
11:55 Quartet-Based Learning of Shallow Latent Variables. Tao Chen and Nevin L. Zhang

12:30 – 14:00 Lunch

14:00 – 15:30 PGM Programme Committee Meeting