



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
09:05	Dynamic Weighting A* Search-based MAP Algorithm for Bayesian Networks. <i>Xiaoxun Sun, Marek J. Druzdzal, and Changhe Yuan</i>
09:40	Dynamic importance sampling in Bayesian networks using factorisation of probability trees. <i>Irene Martínez, Carmelo Rodríguez, and Antonio Salmerón</i>
10:15	Optimal Design with Design Networks. <i>Yang Xiang</i>
10:50 – 11:20	Coffee Break
11:20 – 12:30	Inference II (Propagation) Chair: José A. Gámez
11:20	Loopy Propagation: the Convergence Error in Markov Networks. <i>Janneke H. Bolt</i>
11:55	Hybrid Loopy Belief Propagation. <i>Changhe Yuan and Marek J. Druzdzal</i>
12:30 – 14:00	Lunch
14:00 – 16:00	Poster Session I: Decision-Making, Applications Chair: Kristian G. Olesen
	<ul style="list-style-type: none">• Complexity Results for Enhanced Qualitative Probabilistic Networks. <i>Johan Kwisthout and Gerard Tel</i>• Preprocessing the MAP Problem. <i>Janneke H. Bolt and Linda C. van der Gaag</i>• An Empirical Study of Efficiency and Accuracy of Probabilistic Graphical Models. <i>Jens D. Nielsen and Manfred Jaeger</i>• Sensitivity analysis of extreme inaccuracies in Gaussian Bayesian Networks. <i>Miguel A. Gómez-Villegas, Paloma Mañá, and Rosario Susi</i>• A Bayesian Network Framework for the Construction of Virtual Agents with Human-like Behaviour. <i>Olav Bangsø, Nicolaj Sønderberg-Madsen, and Finn V. Jensen</i>• Predictive Maintenance using Dynamic Probabilistic Networks. <i>Demet Özgür-Ünlüakın and Taner Bilgiç</i>• Literature Mining using Bayesian Networks. <i>Péter Antal and András Millinghoff</i>• Decision analysis with influence diagrams using Elvira's explanation facilities. <i>Manuel Luque and Francisco J. Díez</i>• Continuous Decision MTE Influence Diagrams. <i>Barry R. Cobb</i>• Evaluating Causal effects using Chain Event Graphs. <i>Peter Thwaites and Jim Smith</i>
16:00 – 16:30	Coffee Break
16:30 – 18:15	Applications to Decision-Making Chair: Antonio Salmerón
16:30	Selecting Strategies for Infinite-Horizon Dynamic LIMIDS. <i>Marcel A. J. van Gerven and Francisco J. Díez</i>
17:05	Diagnosing Lyme disease - Tailoring patient specific Bayesian networks for temporal reasoning. <i>Kristian G. Olesen, Ole K. Hejlesen, Ram Dessau, Ivan Beltoft, and Michael Trangeled</i>
17:40	Abstraction and Refinement for Solving Continuous Markov Decision Processes. <i>Alberto Reyes, Pablo Ibarguengoytia, L. Enrique Sucar, and Eduardo Morales</i>
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.