

Monday, July 8th 2013

08:00 – 18:00	Registration (room: 1636)	
08:45 – 09:00	Opening (room: Aula)	
09:00 – 10:00	INVITED TALK (room: Aula) <i>Chair: Linda van der Gaag</i>	
	A.Philip Dawid Conditional independence for causal reasoning	
10:00 – 10:30	Coffee break (room: 1636)	
	BEST PAPER AWARD NOMINEES (room: Aula) <i>Chair: Gert de Cooman</i>	
10:30 – 11:00	Alessandro Antonucci, Cassio De Campos, David Huber and Marco Zaffalon Approximating credal network inferences by linear programming	
11:00 – 11:30	Fabio Gagliardi Cozman and Lucas Fargoni Di Ianni Probabilistic satisfiability and coherence checking through integer programming.	
11:30 – 12:00	Didier Dubois, Henri Prade and Agnès Rico Qualitative capacities as imprecise possibilities	
12:00 – 12:30	Tommaso Flaminio, Lluís Godo and Hykel Hosni Zero-probability and coherent betting: a logical point of view	
12:45 – 14:15	Lunch	
	FOUNDATIONS (room: Aula) <i>Chair: Fabio Cozman</i>	LOGICS (room: Belle van Zuylen) <i>Chair: John-Jules Meyer</i>
14:15 – 14:45	Joseph Halpern Weighted regret-based likelihood: a new approach to describing uncertainty	Zoran Ognjanović, Aleksandar Perović and Dragan Doder A first-order dynamic probability logic
14:45 – 15:15	Marco Baiocchi, Davide Petturiti and Barbara Vantaggi Qualitative combination of independence models	Tuan-Fang Fan and Churn-Jung Liao Many-valued modal logic and regular equivalences in weighted social networks
15:15 – 15:45	Jonathan Lawry and Trevor Martin Conditional beliefs in a bipolar framework	Henri Prade and Gilles Richard Analogical proportions and multiple-valued logics
15:45 – 16:15	Coffee break (room: 1636)	
	BAYESIAN NETWORKS I (room: Aula) <i>chair: Philippe Leray</i>	POSSIBILITIES (room: Belle van Zuylen) <i>chair: Henri Prade</i>
16:15 – 16:45	Cory Butz, Wen Yan and Anders Madsen On semantics of inference in Bayesian networks	Raouia Ayachi, Nahla Ben Amor and Salem Benferhat A comparative study of compilation-based inference methods for min-based possibilistic networks
16:45 – 17:15	Jan Lemeire, Stijn Meganck, Albrecht Zimmermann and Thomas Dholander Detecting marginal and conditional independencies between events and learning their causal structure	Giulianella Coletti, Davide Petturiti and Barbara Vantaggi Independence in possibility theory under different triangular norms
17:15 – 17:45	Arthur Choi, Doga Kisa and Adnan Darwiche Compiling probabilistic graphical models using sentential decision diagrams	Didier Dubois, Henri Prade and Fayçal Touazi Conditional preference nets and possibilistic logic
18:00 – 18:30	Guided tour around Domplein	
18:30 – 20:00	Welcome reception	

Tuesday, July 9th 2013

09:00 – 10:00	INVITED TALK (room: Aula) <i>Chair: Jan Broersen</i>	
	Simon Parsons The state of the argument	
10:00 – 10:30	Coffee break (room: 1636)	
	ARGUMENTATION I (room: Aula) <i>Chair: Simon Parsons</i>	ENTROPY (room: Belle van Zuylen) <i>Chair: Giulianella Coletti</i>
10:30 – 11:00	Anthony Hunter and Stefan Woltran Structural properties for deductive argument systems	Christoph Beierle, Marc Finthammer, Nico Potyka, Julian Varghese and Gabriele Kern-Isberner A case study on the application of probabilistic conditional modelling and reasoning to clinical patient data in neurosurgery
11:00 – 11:30	Martin Caminada, Samy Sá and João Alcântara. On the equivalence between logic programming semantics and argumentation semantics	Zeineb Chelly and Zied Elouedi A fuzzy-rough data pre-processing approach for the dendritic cell classifier
11:30 – 12:00	Christophe Labreuche Argumentation based dynamic multiple criteria decision making	Christophe Marsala and Davide Petturiti Hierarchical model for rank discrimination measures
12:00 – 12:30	Leila Amgoud and Henri Prade A formal concept view of abstract argumentation	Nico Potyka, Christoph Beierle and Gabriele Kern-Isberner On the problem of reversing relational inductive knowledge representation
12:45 – 14:15	Lunch	
	INCONSISTENCY & INCOMPLETENESS (room: Aula) <i>Chair: Lluís Godo</i>	IMPRECISE PROBABILITY (room: Belle van Zuylen) <i>Chair: Alessandro Antonucci</i>
14:15 – 14:45	John Grant and Anthony Hunter Distance-based measures of inconsistency	Angelo Gilio and Giuseppe Sanfilippo Conditional random quantities and iterated conditioning in the setting of coherence
14:45 – 15:15	Sébastien Konieczny and Stéphanie Roussel A reasoning platform based on the MI Shapley inconsistency value	Enrique Miranda and Sébastien Destercke Extreme points of the credal sets generated by elementary comparative probabilities
15:15 – 15:45	Yue Ma and Qingfeng Chang Measuring incompleteness under multi-valued semantics by partial maxSAT solvers	Peter Grünwald Safe probability: restricted conditioning and extended marginalization
15:45 – 16:15	Coffee break (room: 1636)	
	ARGUMENTATION II (room: Aula) <i>Chair: Henry Prakken</i>	BELIEF FUNCTIONS (room: Belle van Zuylen) <i>Chair: Didier Dubois</i>
16:15 – 16:45	Souhila Kaci and Christophe Labreuche Representing synergy among arguments with Choquet integral	Imen Boukhris, Salem Benferhat and Zied Elouedi Causal belief networks: handling uncertain interventions
16:45 – 17:15	Emil Weydert On the plausibility of abstract arguments - a ranking semantic perspective	Frédéric Pichon, Sébastien Destercke and Thomas Burger Selecting source behavior in information fusion on the basis of consistency and specificity
18:15 – 19:00	Buses to Oranjerie	
19:00 – 22:30	Conference dinner	
22:30 – 23:00	Buses back to Utrecht	

Wednesday, July 10th 2013

09:00 – 10:00	INVITED TALK (room: Aula) <i>Chair: Linda van der Gaag</i>	
	Gert de Cooman Inference under exchangeability using sets of desirable gambles	
10:00 – 10:30	Coffee break (room: 1636)	
	BEST STUDENT-PAPER AWARD NOMINEES (room: Aula) <i>Chair: Sébastien Destercke</i>	
10:30 – 11:00	Jasper De Bock and Gert de Cooman Extreme lower previsions and Minkowski indecomposability	
11:00 – 11:30	Said Jabbour and Badran Raddaoui Measuring inconsistency through minimal proofs	
11:30 – 12:00	Bogdan Moldovan, Ingo Thon, Jesse Davis and Luc De Raedt MCMC estimation of conditional probabilities in probabilistic programming languages	
12:00 – 12:30	Dag Sonntag and Jose M. Peña Chain graph interpretations and their relations	
12:45 – 14:15	Lunch	
	BAYESIAN NETWORKS II (room: Aula) <i>Chair: Jan Lemeire</i>	DECISIONS (room: Belle van Zuylen) <i>Chair: Tony Hunter</i>
14:15 – 14:45	Johan Kwisthout Structure approximation of most probable explanations in Bayesian networks	Rafael Cabañas, Manuel Gómez-Olmedo and Andrés Cano Evaluating asymmetric decision problems with binary constraint trees
14:45 – 15:15	Johan Kwisthout Most inforbable explanations: finding explanations in Bayesian networks that are both probable and informative.	Brad Gulko and Samantha Leung Maximin safety: when failing to lose is preferable to trying to win.
15:15 – 15:45	Anders Madsen and Cory Butz On the tree structure used by lazy propagation for inference in Bayesian networks	Conor O'Mahony and Nic Wilson Sorted-pareto dominance and qualitative notions of optimality
15:45 – 16:15	Closing and best paper award ceremonies	