

LFU-2017 Workshop Programme

August 20, 2017, Melbourne, Australia

8.30 - 8.35 **Welcome and Introduction**

Session 1: Logic and Uncertainty - I

8.35 - 9.00 *An overview: Axiomatizations of probabilities with non-standard ranges*
Z. Ognjanović, M. Raškovic, Z. Marković, A. Ilic-Stepić,
N. Ikodinović, A. Perović and D. Doder

9.00 - 10.00 **Invited talk:** *On the Role of Logic in Probabilistic Inference and Machine Learning*
Adnan Darwiche

Coffee Break 10.00 – 10.30

Session 2: Logic and Uncertainty - II

10.30 - 11.00 *From First-Order Logic to Assertional Logic*
Y. Zhou

11.00 - 11.30 *Strength Factors: An Uncertainty System for a Quantified Modal Logic*
N. S. Govindarajulu and S. Bringsjord

11.30 - 12.00 *A Model of Multi-Agent Consensus for Compound Sentences*
M. Crosscombe and J. Lawry

12.00 - 12.30 *Optimal Feature Selection for Decision Robustness in Bayesian Networks*
Y. Choi, A. Darwiche and G. Van den Broeck

Lunch Break 12.30 – 14.00

14.00 - 15.00 **Invited talk:** *Probabilistic Reasoning with Preferences for the Social Semantic Web*
María Vanina Martínez

Session 3: Uncertain DBs and Ontologies

15.00 - 15.30 *Ontology-Mediated Queries for Probabilistic Databases*
S. Borgwardt, I. Ilkan Ceylan and T. Lukasiewicz

15.30 - 16.00 *Schema Induction From Incomplete Semantic Data*
H. Gao, G. Qi and Q. Ji

Coffee Break 16.00 – 16.30

Session 4: Argumentation and Learning

16.30 - 17.00 *Towards Argumentation-based Classification*
M. Thimm and K. Kersting
Authors

17.00 - 17.30 *A probabilistic author-centered model for Twitter discussions*
T. Alsinet, J. Argelich, R. Béjar, L. Godo and F. Esteva

17.30 - 18.00 *Learning Possibilistic Logic Theories from Default Rules*
O. Kuželka, J. Davis and S. Schockaert

18.00 **Closing**
