



K O N I N K L I J K E N E D E R L A N D S E
A K A D E M I E V A N W E T E N S C H A P P E N

DEPENDENCE LOGIC

ACADEMY COLLOQUIUM

MARCH 3-5, 2014 – ROYAL NETHERLANDS ACADEMY OF ARTS AND SCIENCES, [TRIPPENHUIS](#), AMSTERDAM

Program

Monday, March 3, 2014

- 8:00 – 8.55 Registration
- 8.55 – 9.00 Opening by Jouko Väänänen (University of Amsterdam)
- 9.00 – 10.00 *Team Semantics, Games, and Negation* by Erich Grädel, RWTH Aachen University
- 10.00 – 10.30 Coffee Break
- 10.30 – 11.30 *Strongly First Order Dependencies in Team Semantics* by Pietro Galliani, Clausthal University of Technology
- 11.30 – 12.30 *Team-based logics on Kripke structures* by Heribert Vollmer, University of Hannover
- 12.30 – 14.00 Lunch
- 14.00 – 15.00 *Reasoning about issues* by Ivano Ciardelli, University of Amsterdam
- 15.00 – 15.30 Coffee Break
- 15.30 – 16.30 *Agents with Perfect and Truly Perfect Recall* by Nils Bulling, Clausthal University of Technology
- 16.30 – 17.30 *Complexity results on Dependence Logic* by Juha Kontinen, University of Helsinki



Tuesday, March 4, 2014

- 8.30 – 9.00 Welcome with coffee
- 9.00 – 10.00 *Dependence and independence is social choice theory* by Eric Pacuit, University of Maryland
- 10.00 – 10.30 Coffee Break
- 10.30 – 11.30 *Impossibility Theorems in Graph Aggregation* by Ulle Endriss, University of Amsterdam
- 11.30 – 12.30 Lecture by Sonja Smets, University of Amsterdam
- 12.30 – 14.00 Lunch
- 14.00 – 15.00 *Labeled Directed Acyclic Graphs: a generalization of context-specific independence in directed graphical models* by Jukka Corander, University of Helsinki
- 15.00 – 15.30 Coffee Break
- 15.30 – 15.50 *Axiomatizing propositional dependence logic* by Fang Yang, University of Helsinki
- 15.50 – 16.10 *Axiomatizing modal dependence logic* by Jonni Virtema, University of Tampere
- 16.10 – 16.30 *Generalized atoms and quantifiers* by Antti Kuusisto, University of Wroclaw
- 16.30 – 17.30 *Conditional Independence and Irrelevance* by Philip Dawid, University of Cambridge
- 19.30 Dinner for speakers only in Brasserie Harkema (Nes 67, Amsterdam)
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**Wednesday, March 5, 2014**

- 8.30 – 9.00 Welcome with coffee
- 9.00 – 10.00 *Contextual Semantics: From Quantum Mechanics to Logic, Databases, Constraints, Complexity, and Natural Language Semantics* by Samson Abramsky, University of Oxford
- 10.00 – 10.30 Coffee Break
- 10.30 – 11.30 *Using team semantics to capture inquisitive content* by Floris Roelofsen, University of Amsterdam
- 11.30 – 12.30 *Suppositional inquisitive semantics* by Jeroen Groenendijk, University of Amsterdam
- 12.30 – 14.00 Lunch
- 14.00 – 15.00 Lecture by Alexandru Baltag, University of Amsterdam
- 15.00 – 15.30 Coffee Break
- 15.30 – 15.50 *(In)dependence Logic in Model Theory* by Gianluca Paolini, University of Helsinki
- 15.50 – 16.10 *A finite axiomatization of conditional independence and inclusion dependencies* by Miika Hannula, University of Helsinki
- 16.10 – 16.30 *The expressive power of unary exclusion and inclusion atoms* by Raine Rönholm, University of Tampere
- 16.30 – 17.30 *Dependence and Interaction in Games* by Johan van Benthem, University of Amsterdam
- 17.30 Reception