Thursday, 11 th January – morning	1V. .	11՝՝՝	January	_	mornin	12
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9:30-10:30 Logic and Automata I

9:30 - 9:45 Nathanaël Fijalkow or David Pym Introduction

9:45 - 10:30 Martin Grohe (Aachen)

Learning Logically Defined Hypotheses

10:30-11:00 Coffee break

11:00-12:30 Logic and Automata II

11:00 - 11:45 Borja Balle (Amazon Cambridge)

Learning Automata with Hankel Matrices

11:45 - 12:30 Edward Grefenstette (DeepMind)

Recurrent Neural Networks and Models of Computation

12:30-14:00 Lunch

Thursday, 11th January – afternoon

14:00–15:30 Programming Languages

14:00 - 14:45 Luc De Raedt (Leuven)

Probabilistic logic learning

14:45 - 15:30 Aditya Nori (Microsoft Cambridge)

Fairness and robustness in machine learning – a formal methods perspective

15:30-16:00 Coffee break

16:00–16:45 Probabilistic Programming I

16:00 - 16:45 Jane Hilston (Edinburgh)

Integrating Inference with Stochastic Process Algebra Models

Friday, 12th January – morning

9:00–10:30 VERIFICATION

9:00 - 9:45 Jan Křetínský (Technical University of Munich)

Fast learning of small strategies

9:45 - 10:30 Alessandro Abate (Oxford and Turing)

Formal verification and learning of complex systems

10:30-11:00 Coffee break

11:00-12:30 Probabilistic Programming II

11:00 - 11:45 Joost-Pieter Katoen (Aachen)

Bayesian Inference by Program Verification

11:45 - 12:30 Sam Staton (Oxford)

Denotational validation of higher-order Bayesian inference

12:30-14:00 Lunch

Friday, 12th January – afternoon

14:00–15:30 Neural Networks

14:00 - 14:45 Richard Evans (DeepMind)

Learning Explanatory Rules from Noisy Data

14:45 - 15:30 Tim Rocktäschel (Oxford)

End-to-End Differentiable Proving

15:30-16:00 Coffee break

16:00-17:00 Final Remarks and Perspectives