

Workshop on Coalgebra, Horn Clause Logic Programming and Types

Edinburgh, UK, 28–29 November 2016

Programme

Monday 28 November

9:10 - 9:30 Registration

9:30 - 9:40 **Welcome to CoALP-Ty'16**

Ekaterina Komendantskaya (Heriot-Watt University)

9:40 - 11:10 **Invited talk I**

John Power (University of Bath)

Logic Programming: Laxness and Saturation

11:10 - 11:30 Coffee break

11:30 - 12:00 **Contributed talk**

Martin Schmidt: *Coalgebraic Logic Programming: Implementation and Optimization*

12:00 - 13:00 **Invited talk II**

Steven Ramsay and Luke Ong (University of Oxford)

Refinement Types and Higher-Order Constrained Horn Clauses

13:00 - 14:00 Lunch

14:00 - 15:00 **Invited talk III**

Tarmo Uustalu (Tallinn University of Technology)

Comodels and Interaction

15:00 - 15:30 Coffee break

15:30 - 17:00 **Contributed talks**

František Farka: *Proofs by Resolution and Existential Variables*

Bashar Igried and Anton Setzer: *Defining Trace Semantics for CSP-Agda*

Henning Basold and Ekaterina Komendantskaya: *Models of Inductive-Coinductive Logic Programs*

18:00 - 20:00 Workshop dinner

Lebanese restaurant Beirut (<http://www.beirutrestaurant.co.uk/>)

The dinner is not sponsored by the workshop

Tuesday 29 November

9:30 - 10:30 Invited talk IV

Claudio Russo (Microsoft Research), Matt Windsor (University of York), Don Syme (Microsoft Research), Rupert Horlick and James Clarke (University of Cambridge)

Classes for the Masses

10:30 - 11:00 Contributed talk

J. Garrett Morris: *Semantical Analysis of Type Classes*

11:00 - 11:30 Coffee break

11:30 - 12:30 Invited talk V

Davide Ancona (University of Genoa)

Abstract Compilation for Type Analysis of Object-Oriented Languages

12:30 - 13:30 Lunch

13:30 - 14:30 Invited talk VI

Ki Yung Ahn (Nanyang Technological University)

Relational Specification of Type Systems Using Logic Programming

14:30 - 15:15 Discussion panel

Q&A with invited speakers

15:15 - 15:45 Coffee break

15:45 - 16:45 Contributed talks

Clemens Kupke: *Coalgebra and Ontological Rules*

Luca Franceschini, Davide Ancona and Ekaterina Komendantskaya: *Structural Resolution for Abstract Compilation of Object-Oriented Languages*