

21st Wessex Theory Seminar: Workshop on Games for Logic and Programming Languages (GaLoP 2013)

8th Workshop on Games for Logic and Programming Languages (GaLoP 2013) (part of the [Wessex Theory Seminar](#))

Queen Mary, University of London, 18-19 July 2013

<http://www.gamesemantics.org/galop-viii>

Announcement

We are pleased to announce the details of this year's GaLoP workshop, affiliated with the Wessex Theory Seminar. Take a look at the official [GaLoP VIII web page](#) for full details and local information.

Registration

There is no registration fee for attendance at this informal workshop. However, participants are asked to register by sending an email to nikost@eecs.qmul.ac.uk.

The workshop will be part of the Wessex Theory Seminar, so there is a (very) small amount of travel funding available to those people working at [Wessex sites](#). If you would like to apply for it, please email Guy McCusker (G.A.McCusker@bath.ac.uk).

Invited Speakers

Ichiro Hasuo, Tokyo
Colin Stirling, Edinburgh
Viktor Winschel, Mannheim
Nobuko Yoshida, Imperial

Program committee:

Ugo Dal Lago, Bologna
Dan Ghica, Birmingham
Juha Kontinen, Helsinki
Guy McCusker, Bath (co-chair)
Andrzej Murawski, Warwick
Nikos Tzevelekos, QMUL (co-chair)
Glynn Winskel, Cambridge

Participants

TBA

Travel Funding

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Programme

Thursday 18th July

- 10:00-11:15: coffee and arrivals
- 11:15-12:30:

INVITED TALK - Nobuko Yoshida: Multiparty Compatibility in Communicating Automata: Characterisation and Synthesis of Global Session Types

Raymond Hu, Romyena Neyova and Nobuko Yoshida: Multiparty session types and their application in large distributed systems

- 12:30-14:00: lunch
- 14:00-15:15:

INVITED TALK - Colin Stirling: Introduction to decidability of higher-order matching

Valentin Blot: Realizability for Peano Arithmetic with Winning Conditions in HO Games

- 15:15-15:45: coffee
- 15:45-17:00:

INVITED TALK - Viktor Winschel: A Coalgebraic Framework for Games in Economics (joint work with Achim Blumensath)

Jules Hedges: Sequential and simultaneous games with selection functions

Friday 19th July

- 09:00-10:30:

Julian Gutierrez and Michael Wooldridge: Equilibria in Games on Event Structures

Cai Wingfield, Guy McCusker and John Power: Graphical Foundations for Dialogue Games

Paul Blain Levy: Morphisms between plays

- 10:30-11:00: coffee
- 11:00-12:15

INVITED TALK - Ichiro Hasuo: Categorical Gol for Higher-Order Quantum Computation

Ugo Dal Lago and Margherita Zorzi: Wave-Style Token Machines and Quantum Lambda Calculi

- 12:15-14:00: lunch
- 14:00-15:00

Dan Ghica and Olle Fredriksson: Game Semantics for Abstract Machines, revisited

Alex I. Smith: A Tag-Based Approach to Syntactic

Control of Interference

- 15:00-15:30: coffee
- 15:30-16:30

James Laird: Games for Model-Checking Generic Polymorphism

Andrzej Murawski and Nikos Tzevelekos: Deconstructing general references via game semantics

- 16:30-17:00: Wrapping up