

# 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](mailto: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](mailto: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

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](mailto:G.A.McCusker@bath.ac.uk)).

## 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, Romya 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