

Postgraduate School on Mathematics of Evolutionary Dynamics

Tuesday 11 – Thursday 13 December 2007

Organisers: Robert MacKay and Mauro Mobilia

PROGRAMME

All talks will be in Lecture Room B3.02 in the Mathematics Institute, Zeeman Building

Tuesday 11 December 2007

09:00 - 11:00	Registration in MRC Room B1.37 and coffee in the Mathematics Institute Common Room
11:00 - 11:10	Opening remarks
11:15 – 12:15	Erwin Frey (Lecture 1) Introduction to Game Theory
12:30 - 13:45	Buffet Lunch in the Mathematics Institute Common Room
13:55 – 14:55	Alan McKane (Lecture 1) Stochastic Models of Evolution in Genetics, Ecology and Linguistics I
15:00 – 15:25	Tea break & Discussions in the Mathematics Institute Common Room
15:30 – 16:30	Raymond Goldstein (Lecture 1) Collective Dynamics in Concentrated Bacterial Populations
16:35 – 17:25	Oral contributions
17:30 – 18:30	Discussions over Drinks in the Mathematics Institute Common Room

Wednesday 12 December 2007

Alan McKane (Lecture 2) Stochastic Models of Evolution in Genetics, Ecology and Linguistics II
Coffee break & Discussions in the Mathematics Institute Common Room
Raymond Goldstein (Lecture 2) Physical Aspects of Evolutionary Transitions to Multicellularity
Buffet Lunch in the Mathematics Institute Common Room
Erwin Frey (Lecture 2) Nonlinear Stochastic Systems
Tea break in the Mathematics Institute Common Room
Matt Keeling (Warwick, guest lecturer) Evolution of Infectious Diseases: the implications of contact structure
and stochasticity
Ian Stewart (Warwick, guest lecturer) Networks, PODs, and Sympatric Speciation
Drinks Reception with Warwick Complexity Complex (undergraduate common room)

Xmas dinner in Xanana Cafe, in the Students' Union Building on campus (for those who have reserved)

Thursday 13 December 2007

09:30 - 10:30	Raymond Goldstein (Lecture 3) Microfluidics of Cytoplasmic Streaming
10:35 – 11:10	Coffee break & Discussions in the Mathematics Institute Common Room
11:15 – 12:15	Erwin Frey (Lecture 3) Spatial Stochastic Games
12:30 - 13:45	Buffet Lunch in the Mathematics Institute Common Room
13:55 – 14:55	Alan McKane (Lecture 3) Stochastic Models of Evolution in Genetics, Ecology and Linguistics III
15:00 – 15:10	Closing remarks
15:15 – 16:00	Tea and discussion in the Mathematics Institute Common Room

If you have any questions during the Workshop please see Yvonne Collins in Room B1.37 which is opposite the Common Room

For further information contact: Mauro Mobilia on M.Mobilia@warwick.ac.uk or the Mathematics Research Centre, Zeeman Building,



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