One-Day IOP meeting Complexity of evolutionary processes in biology and the behavioural sciences 13th June 2011, University of Manchester

Preliminary programme

10:00	registration and coffee
10:30	Tom Mullin (chair of NCP Group) Welcome
10:35-11:30	KEYNOTE TALK: Alan Grafen FRS (Oxford) A third kind of mathematical optimisation principle can help bring Darwinian order to equations of motion for gene frequencies
11:30-11:50	Bruce Edmonds (Manchester Metropolitan) Using data sets to simulate evolution within complex environments
11:50-12:10	Rebecca Hoyle (Surrey) Effects of fixed and variable maternal inheritance in adapting to a novel environment
12:10-13:30	LUNCH
13:30-13:50	Sebastian Ahnert (Cambridge) Evolution of modularity and complexity in self-assembling polyominoes
13:50-14:10	lain Johnston (Oxford) Symmetry and Complexity in the Evolution of Self-Assembling Structures
14:10-14:30	Steffen Schaper (Oxford) Fragmented neutral spaces lead to contingency in evolution
14:30-14:50	Thomas Fink (CNRS/ London Institute for Mathematical Sciences) The relation between robustness, evolvability and fitness
14:50-15:10	COFFEE BREAK
15:10-15:30	Ignacio Gallo (Imperial) A simple model for studying the probability of extinction of populations of equal fertility and different longevity
15:30-15:50	Kyriakos Kentzoglanakis (MRC National Institute) Bacterial Plasmids: The evolution of copy number control
15:50-16:10	Jean Boulton (Cranfield) Evolutionary processes and social systems
16:10-16:30	Mark Hardman (Canterbury) Human Behaviour: A Bridge Too Far for Complexity?
16:30	close

The meeting is organized by the Nonlinear and Complex Physics Group of the Institute of Physics.

All talks are in the Moseley Lecture Theatre, School of Physics and Astronomy University of Manchester, Schuster Building, Brunswick Street, Manchester M13 9PL.

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