

One Day Mini-Conference

Statistical Mechanics of Glassy and Complex Systems

King's College London, May 26

Strand Campus, River Room on Level 2 of the King's Building

Programme

10:00		Registration & Welcome
10:30	G Benkő (Imperial)	Record dynamics in synchronization transients
10:45	R Lambiotte (Imperial)	Laplacian Dynamics and Multiscale Modular Structure in Networks
11:00	N Wilding (Bath)	Computer simulations of polydisperse crystals
11:15	D Ashton (Bath)	Phase behaviour of highly size-asymmetric fluid mixtures
11:30		Coffee Break
12:00	JP Garrahan (Nottingham)	Large deviation methods and the dynamics of glasses
12:15	Y Fyodorov (Nottingham)	Prefreezing of multifractal exponents in Random Energy Models with logarithmically correlated potential
12:30	C Fullerton (Manchester)	The Growing Correlation Length in Glassy Systems
12:45	J van Baardewijk (KCL)	Quantum Statistical Physics of Glasses at Low Temperatures
12:50	T Rogers (KCL)	Eigenvalue Distributions of Sparse Random Matrices
12:55	M Urry (KCL)	Gaussian Processes on Random Graphs
13:00		Lunch Break
14:00	M Evans (Edinburgh)	Dynamics of Genetic Switches
14:15	A Annibale (KCL)	Quantifying and comparing complexity of cellular networks: structure beyond degree statistics
14:30	T Galla (Manchester)	Intrinsic fluctuations in stochastic delay systems: theoretical description and application to a simple model of gene regulation
14:45	E. Katzav (KCL)	Packing of elastic rods – a Statistical Physics Approach
15:00		Coffee Break
15:30	RC Alamino (Aston)	Properties of Sparse Random Matrices over Finite Fields
15:45	H Goldingay (Aston)	Agent based optimization in a threshold model for distributed task assignment
16:00	JP Neirotti (Aston)	Adaptability and over-specificity in learning agents
16:15	D Lancaster (Westminster)	A Field Theoretic Approach to Euclidean Matching
16:30		Coffee Break – End of Meeting