

2006 Statistical Mechanics/Gordon Godfrey Workshop: Program

Monday, 11 December

9.30 – 10.00	Tea and Coffee	Reprints/Preprints
10.00 – 10.20	Iwan Jensen (Melbourne)	Exact solutions for punctured staircase polygons
10.20 – 10.40	Aleks Owczarek (Melbourne)	Random Walks and Multiple-site Weightings and Restrictions
10.40 – 11.00	Judy-anne Osborn (Melbourne)	Weights on Walls & Combinatorial Calculations with Orthogonal Polynomials
11.00 – 11.30	Tea and Coffee	
11.30 – 11.50	Jan de Gier (Melbourne)	Exact dynamics of an interacting-particle system
11.50 – 12.10	Paul Fijn (Melbourne)	An involution for Enumerating Osculating Lattice Paths and Alternating Sign Matrices
12.10 – 12.30	Matthew Zuparic (Melbourne)	DWBC for the colored six-vertex model
12.30 – 2.00	Lunch	Roundhouse/Warrane/Anzac Pde/Etc.
2.00 – 2.20	Guan Xi-Wen (ANU)	Generalized Exclusion Statistics and Many-body Interacting Systems
2.20 – 2.40	Michael Bortz (ANU)	Decoherence, dynamics and entanglement in the central spin model
2.40 – 3.00	Shiroishi Masahiro (ISSP, Tokyo)	Exact values of ground-state correlation functions for the Heisenberg chain
3.00 – 3.20	Sergey Sergeev (ANU)	Evolution Operators for Quantum Chains
3.20 – 3.50	Tea and Coffee	
3.50 – 4.10	Sierra German (ITP, Madrid)	Quantum Mechanics and the Riemann Zeros
4.10 – 4.30	Melissa Makin (Melbourne)	The one-dimensional delta-function Bose gas in the finite-coupling regime
4.30 – 4.50	Jaan Oitmaa (UNSW)	A mixed spin $S=(1/2,1)$ ferromagnetic Ising model
4.50 – 5.10	Chris Hamer (UNSW)	Critical behaviour of one-particle spectral weights in the transverse Ising model
6.30	Dinner	Mamma Teresa's ..

Tuesday 12 December

8.30 – 9.00	Tea and Coffee	Reprints/Preprints
9.00 – 9.20	Denis Evans (ANU)	The Fluctuation & Nonequilibrium Free Energy Theorems, Theory & Experiment
9.20 – 9.40	Phil Attard (Sydney)	Theory for non-equilibrium thermodynamics and statistical mechanics
9.40 – 10.00	Stephen Williams (ANU)	Negative Entropy Production in Oscillatory Processes
10.00 – 10.20	Igor Rychkov (Griffith)	Isoconfigurational thermostats
10.20 – 11.00	Tea and Coffee	
11.00 – 11.20	Ranganathan Prabhakar (ANU)	Glassy dynamics of dilute polymer solutions near the coil-stretch transition
11.20 – 11.40	Abigail Klopfer (Max-Planck Institute Dresden)	Untangling polymer systems: Structure prediction in polymer networks with quenched disorder
11.40 – 12.00	Jaroslav Krawczyk (Melbourne)	Simulation of Lattice Polymers with Hydrogen-like Bonding
12.00 – 12.20	Peter Daivis (RMIT)	The Approach to the Brownian Limit
12.20 – 2.00	Lunch	Roundhouse/Warrane/Anzac Pde/Etc.
2.00 – 2.20	Mukunda Das (ANU)	High-Tc superconductors: the Mystery we are After
2.20 – 2.40	Alfred Uhlherr (CSIRO)	New Monte Carlo transitions for molecular simulation using reversible minimum-to-minimum mapping
2.40 – 3.00	Sangeetha Gnanapragasam (ANU)	BEC in a Trap – When Atoms Interact
3.00 – 3.20	Ian Snook (RMIT)	It's Freezing isn't it?
3.20 – 3.50	Tea and Coffee	
3.50 – 4.10	Trevor Langlands (UNSW)	Anomalous diffusion with linear reaction dynamics
4.10 – 4.30	Emil Mittag (ANU)	Time dependence and the fluctuation theorem
4.30 – 4.50	Victor Flambaum (UNSW)	Statistical Theory of Finite Fermi Systems
4.50 – 5.10	Miklos Gulacsi? (ANU)	TBA