

Maxwell Institute Applied and Computational Mathematics

PhD Student Short Talks

JCMB 6206, 26th April 2017

Talks are 10 minutes, plus 2 minutes for questions and change-over.

13:00	Rory Mills	Dynamical Density Functional Theory with a Short Range Hydrodynamic Interaction
13:12	Aleksandra Plochocka	Dynamics of the Cytoskeleton
13:24	Zhou Miao	Wave propagation in a CAMP signaling model for cell aggregation – a geometric analysis
13:36	Gissell Estrada	Derivation of fractional Keller-Segel equations for super-diffusion of bacteria
13:48	Anton Martinsson	Simulated Tempering for Molecular Dynamics
14:00	Tim Simmons	Squeeze-Film Damping in Micro-Electro-Mechanical Systems
14:12	Stefano Avanzini	Asymptotic first passage times distribution in linear birth-death processes
14:24	Antonios Ververis	Computational investigation of effective phase field equations in porous media
14:36	Tim Hurst	Modelling granular media: event driven molecular dynamics and dynamical density functional theory
14:48	Prince Mensah	Singular limits of stochastic compressible flows
15:00	Tea/Coffee	
15:30	Tony Ying	Bayesian Inference for Stochastic Differential Equations: An Application to Diagnose Eddy Diffusivities
15:42	Miles Savva	Internal wave propagation in the turbulent ocean
15:54	David Stark	Boundary element methods for the wave equation
16:06	Chris Higgins	Lagrangian Transport and Dispersion in the Presence of Rotation in Stochastic Sea States
16:18	William Salkeld	Large Deviation Principles for McKean Vlasov Equations under a Holder Norm
16:30	Eleni Moraki	Mathematical Modelling of Corneal Epithelium Maintenance
16:42	David Cheek	Two type branching process - large population small mutation limit
16:54	Matthias Sachs	The generalised Langevin equation, asymptotic properties and numerical discretisation
17:06	Pub!	