Seminar name: Mathematic Modelling Seminars

Year: 2018/19

Semester 1

Date	Time/place	Speaker	Title
4 th October 2018	12:00-13:00	Andy Archer,	Modelling of Phase
		Loughborough	Transformations:
		University	Phase-field models
9 th October 2018	12:00-13:00/N.1.12	Jalal Sarabadani,	Polymer translocation
	Haslegrave Building	Loughborough University	through a pore
18 th October 2018 #2	13:00-14:00/N.1.12	Fabian Schwarzendahl	Modelling
	Haslegrave Building	(MPI Goettingen)	microswimmers
18 th October 2018	12:00-13:00/N.1.12	Vili Heinonen (MIT)	Higher-order quantum
	Haslegrave Building		hydrodynamics for
			supersolids
25 th October 2018	12:00-13:00/N.1.12	Antonis Parasyris,	Modelling filtration
	Haslegrave Building	Loughborough	processes through
		University	porous media
1 st November 2018	12:00-13:00/N.1.12	Kristian Thijssen	Active Nematics
	Haslegrave Building	(Oxford)	
8 th November 2018	12:00-13:00/N.1.12	Mounirah Areshi,	Maths Modelling
	Haslegrave Building	Loughborough	Seminar: Kinetic
		University	Monte Carlo and
			Hydrodynamic
			modelling of liquid
			droplets on surfaces
15 th November 2018	12:00-13:00/ N.1.12	Tyler Shendruk,	Maths Modelling
	Haslegrave Building	Loughborough	Seminar: The Simplest
		University	Simulations of Squishy
			Physics
22 nd November 2018	12:00-13:00/ N.1.12	Roger Smith,	Maths Modelling
	Haslegrave Building	Loughborough	Seminar: A brief
		University	history of atomic
			collisions in solids
29 th November 2018	12:00-13:00/ N.1.12	Kenny Jolley,	Atomistic Modelling of
	Haslegrave Building	Loughborough	Defects in Graphite
		University	

Semester 2

Date	Time/place	Speaker	Title
16 th January 2019	14:00-15:00/SCH.0.01 Schofield Building	Professor Tapio Ala- Nissila, Mathematical Sciences, Loughborough University	Multiscale Modeling of 2D Materials with the Phase-Field Crystal Model*
8 th February 2019	14:00-15:00/SCH.0.13 Schofield Building	Dr Andrew Archer, Mathematical Sciences, Loughborough University	Surface freezing, surface melting and crystal nucleation: results for a two- dimensional soft-core fluid
15 th February 2019	14:00-15:00/N.3.17 Haslegrave Building	Dr Achilleas Lazarides, Mathematical Sciences, Loughborough University	Macroscopics from microscopics in many- body quantum systems
22 nd February 2019	14:00-15:00/SCH.1.05 Schofield Building	Ze Pinto Vieira (Loughborough University)	Constraining the physics of the early Universe
1 st March 2019	14:00-15:00/SCH.0.13 Schofield Building	Ze Pinto Vieira (Loughborough University)	Dislocation motion and dynamics in bilayer graphene extended to radiation damage of nuclear graphite
8 th March 2019	14:00-15:00/CC.1.09 James France Building	Alberto Scacchi (Loughborough University)	Flow induced crystallization of penetrable particles
15 th March 2019	14:00-15:00/SCH.0.13 Schofield Building	Gyula Toth (Loughborough University)	Analytical description of amorphous solid structures (Random solutions of deterministic PDEs)
22 nd March 2019	14:00-15:00/SCH.0.13 Schofield Building	Achilleas Lazarides (Loughborough University)	Macroscopics from microscopics in many- body driven quantum systems
29 th March 2019	14:00-15:00/SCH.0.13 Schofield Building	Adam Lloyd (Loughborough University)	Modelling the effects of hydrogen on zirconium
3 rd May 2019	14:00-15:00/N.1.12 Haslegrave Building	Zé Pinto-Viera (Loughborough University)	Wiggly Cosmic String Evolution
10 th May 2019	14:00-15:00/N.1.12 Haslegrave Building	Gyula Toth (Loughborough University)	Analytical description of amorphous solid structures (Random solutions of deterministic PDEs)

24 th May 2019	14:00-15:00/N.1.12 Haslegrave Building	Jamie Christie (Loughborough University)	Modelling the thermal conductivity of materials
31 st May 2019	14:00-15:00/N.1.12 Haslegrave Building	Juliet Ojiako (Loughborough University)	Deformation of liquid surfaces under impinging gas jets: modelling and experiments
7 th June 2019	14:00-15:00/N.1.12 Haslegrave Building	Michael Watts (Loughborough)	Passivation of Planar Defects in CdTe Photovoltaics: An Atomistic Modelling Viewpoint
14 th June 2019	14:00-15:00/N.1.12 Haslegrave Building	Lily Hunnisett (Loughborough)	The Computational Design of Fluorescent Fingerprinting Chemicals for Crime Scene Investigations
17 th June 2019	15:00-16:00/SCH.0.13 Schofield Building	Daniel Stopper (Tubingen)	Fluids with competing interactions in and out of equilibrium
21 st June 2019	15:00-16:00/SCH.0.13 Schofield Building	Stephen Yeandel (Loughborough)	Li-ion Dynamics in Al3+ Doped Li2SiP2