

Liquid Crystals, Life and Languages, and other mathematical interdisciplinary studies: Tim Sluckin at 65

30-31 August 2016, Southampton, UK

Building 56 (The Mathematics Student Centre), Highfield campus,
University of Southampton.

Scientific Programme

Tuesday, 30 August

12:00 -12:50	Guests arrive, lunch
12:50-13:00	Welcome word by <u>Tim Sluckin</u> Start of the talks
13:00-13:25	<u>Milton Cole</u> (Penn State) "My adventure: From Tim Sluckin to wetting transitions to crystalline superfluids"
13:25-13:50	A. Jaya Kumar, Y. Hatwalne and <u>Buddhapriya Chakrabarti</u> (Durham University) "Equilibrium of fluid membranes with tangent-plane order (TPO), elasticity of smectics with TPO, and dispiration asymmetry in smectics-C*"
13:50-14:15	<u>Nigel Mottram</u> (University of Strathclyde) "An inclination towards disinclinations"
14:15-14:40	<u>Robert Evans</u> (University of Bristol) "Phase transitions and self-assembly of colloids suspended in near-critical solvents: What we know that Mr.Sluckin did not know"
14:40-15:05	<u>John Chalker</u> (University of Oxford) "Geometrically frustrated magnets as soft matter"
15:05-15:30	Coffee break
15:30-15:55	<u>Jonathan Selinger</u> (Kent State University) "Shape selection in thin films: from liquid-crystal elastomers to self-assembled aggregates"
15:55-16:20	<u>David Dunmur</u> (University of Manchester) "Fame and fortune from liquid crystals"
16:20-16:45	<u>Paolo Biscari</u> (Politecnico di Milano) "Anisotropy and relaxation in nematic liquid crystals"
16:45-17:10	<u>David Chillingworth</u> (University of Southampton) "Relaxing hedgehogs"
17:10-17:35	<u>Vera Hazelwood</u> (Smith Institute for Industrial Mathematics and System Engineering, Guildford) "Mathematics in Industry"
17:35-17:55	Ibrahim Abdulhalim (Ben-Gurion University of the Negev) "Hyperspectral imaging with a single liquid crystal retarder"
18:00-18:45	Wine reception at Tim's house
19:00-22:00	Dinner at Hartley Suite (Staff club)

Wednesday, 31 August

9:30	Guests arrive, start of the talks
9:30-9:55	<u>Jon Forster</u> (University of Southampton) “Uncertainty and inverse probability: the bayesian paradigm”
9:55-10:20	<u>Alejandro D. Rey</u> (McGill University, Montreal) “Biological plywoods and nature's cholesterics”
10:20-10:45	<u>Lee Hazelwood</u> (University of Cambridge) “Phenomenological modelling of liquid crystal devices and biology”
10:45-11:10	<u>Ben MacArthur</u> (University of Southampton) “Theory of stem cell differentiation”
11:10-11:35	<u>Guido Raos</u> (Politecnico di Milano) “Laptop simulations for academic budget travellers”
11:35-12:00	<u>Richard Werner</u> (University of Southampton) “From crystal balls to liquidity and illiquidity: Some secrets of the banking trade”
12:00-13:00	Lunch break
13:00-13:25	<u>Simon Cox</u> (University of Southampton) “Computational games”
13:25-13:50	<u>Guy Jacobs</u> (Nanyang University, Singapore) “Modelling Indian cow-trading: what are the evolutionary effects of animal movement through a market?”
13:50-14:15	<u>James Steele</u> (UCL) “Some applications of reaction-diffusion models in archaeology and related disciplines”
14:15-14:40	<u>Gereon Kaiping</u> (Universiteit Leiden) “One model fits all? Lineage dependency in evolution of language typologies”
14:40-15:05	<u>Haoji Hu</u> (Zhejiang University) “Generating language distance metrics by language recognition using acoustic features”
15:05-15:10	Close of the event
15:10-15:30	Coffee, guests departure