

Event Programme

All the talks take place in LT340 in the Huxley Building, Department of Mathematics, Imperial College London.

	Thursday, 7 January
9.00 - 9.45	Registration and welcome
9.45 - 10.30	David Salac <i>Recent advances in the modeling of vesicles in electric or magnetic fields</i>
10.30 - 11.00	Coffee break
11.00 - 11.45	Sören Bartels <i>Discretizing thin elastic structures</i>
11.45 - 12.30	Klaus Deckelnick <i>Willmore functional for graphs: Minimisation and gradient flow</i>
12.30 - 14.00	Lunch break
14.00 - 14.45	Marino Arroyo <i>Modeling the elasto-hydrodynamics of lipid bilayers</i>
14.45 - 15.30	Harald Garcke <i>Parametric finite element methods for the dynamics of fluidic membranes and vesicles</i>
15.30 - 16.00	Coffee break
16.00 - 16.45	Mourad Ismail <i>Some simple models for vesicles and red blood cells and their implementation in a high performance computing context</i>
16.45 - 17.30	Timm Krüger <i>Platelet margination in tubular blood flow</i>
20.00	Workshop dinner at The Devonshire Arms, London W8 6LA <i>Meet from 7.30pm for an 8pm start.</i>

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	Friday, 8 January
9.00 - 9.45	Chaouqi Misbah <i>Passive and active blood cells</i>
9.45 - 10.30	Reinhard Lipowsky <i>Membranes and vesicles with bilayer asymmetry: Analytical theories and molecular simulations</i>
10.30 - 11.00	Coffee break
11.00 - 11.45	Pierre Saramito <i>Computing the dynamics of biomembranes by combining conservative level set and adaptive finite element methods</i>
11.45 - 12.30	Björn Stinner <i>On a finite element scheme for curve shortening flow coupled to lateral diffusion</i>
12.30 - 14.00	Lunch break
14.00 - 14.45	Sebastian Aland <i>Modelling and simulation of elastic cells in flow</i>
14.45 - 15.30	Gustavo Buscaglia <i>A finite element method for inextensible viscous membranes</i>
15.30 - 16.00	Coffee break
16.00 - 16.45	Carsten Gräser <i>A variational approach to particles in lipid membranes</i>
16.45 - 17.30	John Lowengrub <i>Wrinkling dynamics of fluctuating vesicles in time-dependent viscous flow</i>