

Women in PDEs

L5, Andrew Wiles Building, Oxford

Monday 18 June 2018

10.15am	Registration
10.30am	Gabriella Tarantello (University of Rome II) Elliptic PDE's of Liouville-type arising from the study of self-dual gauge field vortices
11.30am	Elaine Crooks (Swansea University) Travelling waves in anisotropic smectic C* liquid crystals
12.30pm	Lunch and Poster Session
2.00pm	Ye Sle Cha (Free University Berlin) Jang type equations for geometric Inequalities in General Relativity
3.00pm	Tabea Tscherpel (University of Oxford) Finite element approximation of the flow of incompressible fluids with implicit constitutive law
3.30pm	Break
4.00pm	Susana Gutierrez (University of Birmingham) Self-similar solutions of the Landau-Lifshitz-Gilbert equation and related
5.00pm	Ghozlane Yahiaoui (University of Oxford) McKean-Vlasov diffusion and the well-posedness of the Hookean bead-spring-chain model for dilute polymeric fluids: small-mass limit and equilibration in momentum space
7.00pm	Dinner

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Tuesday 19 June 2018

9.30am	Mikaela Iacobelli (Durham University) Recent results on quasineutral limit for Vlasov-Poisson
10.30am	Break
11.00am	Myoungjean Bae (POSTECH) Detached shock past a blunt body
12.00pm	Josephine Evans (University of Cambridge) Using Harris's theorem to show convergence to equilibrium for kinetic equations
12.30pm	Lunch and Poster Session
2.00pm	Cristiana de Filippis (University of Oxford) Non-uniformly elliptic problems with geometric constraints
2.30pm	Helen Byrne (University of Oxford) PDEs in Mathematical Biology
3.30pm	End