

MEETING: LEGACY OF JOHN CRANK

July 10th – 11th 2008

FEE £40

WED 9th: 16.00 – 19.00 – Reception, Lancaster Hall

THURS 10th: 8.30 – 12.00 Reception, Lancaster Hall

10.00 (onwards)

COFFEE

10.30

Convection-Diffusion-Equations with Absorption-Boundary-Conditions, Modelling a Biosensor – **K-H. Hoffman (TU Munich, Germany)**

11.30

Time Stepping for Multiphysics Couplings in Porous Media Applications – **M. Wheeler (University of Texas at Austin, USA)**

12.15

POSTER SESSION

12.45

LUNCH

14.00

Elliptic Reconstruction in A Posteriori Error Analysis for Evolution Equations – **O. Lakkis (University of Sussex, UK)**

14.45

Time Discretizations for Finite Elements on Evolving Surfaces – **G. Dzuik (University of Freiberg, Germany)**

15.30 – 16.00

TEA/POSTER SESSION

16.00

Existence and Approximation of Global Weak Solutions to some Regularized Dumbbell Models for Dilute Polymers – **J. Barrett (Imperial College, UK)**

16.45

Problems in the industrial growth of semiconductor crystals: radiative heat transfer, convection, magnetic fields and free boundaries – **J. Sprekels (Weierstrass Institute Berlin, Germany)**

19.00

SHERRY/DINNER

FRI 11th	9.00	Some new results for classical problems in diffusion – M. Primicerio (University of Florence, Italy)
	9.45	Generalized travelling waves for reaction-diffusion equations(tentative) – H. Berestycki (EHESS, France)
	10.30	COFFEE/POSTER SESSION
	11.00	Singular parabolic systems arising from a class of phase field models – P. Colli (University of Pavia, Italy)
	11.45	Moving boundary conditions in radioactive diffusion and financial derivatives – W. Shaw (King's College, UK)
	12.45 – 14.00	LUNCH
	14.00	Modelling and Simulation of Polymer Melting during Calorimetry - A. Lacey (Herriot Watt University, UK)
	14.45	Moving boundary problems in biology – J. King (University of Nottingham, UK)
	15.30	Non local effects arising in polymer-penetrant diffusion – D. Edwards (University of Delaware, USA)
	16.15	TEA
		FINISH