

Microscopic Models of Plastic Evolution**17–18 September 2007**

Organisers Florian Theil and Tim Sullivan

*All talks will take place in Lecture Room MS03 in the Zeeman Building***Monday 17 September 2007**

- 10:00–11:00 **Registration in Room B1.37** (MRC) and coffee in the Mathematics Institute Common Room
- 11:00–12:00 **John Willis** (Cambridge)
Pair distribution function for arrays of dislocations
- 12:00–13:00 **Michael Ortiz** (Caltech)
Energy-dissipation variational principles and microscopic plastic evolution
- 13:00–14:30 Lunch (Eat restaurant, Warwick Arts Centre)
- 14:30–15:30 **Tim Sullivan** (Warwick)
Optimal transport and dissipative systems
- 15:30–16:00 Tea in the Common Room
- 16:00–17:00 **Kirill Cherednichenko** (Cardiff)
Plastic shear of a thin film via homogenisation of the dislocation transport
- 19:00 Workshop dinner

Tuesday 18 September 2007

- 10:00–11:00 Coffee in the Common Room
- 11:00–12:00 **Marisol Koslowski** (Purdue)
Length scales in plastic deformation
- 12:00–13:00 **Patrick Dondl** (MPI Leipzig)
Evolution of phase boundaries in heterogeneous media
- 13:00–14:30 Lunch
- 14:30–15:30 **Nicolas Dirr** (Bath)
Gradient flow for surface energy in a rough potential
- 15:30–16:00 Tea in the Common Room and Workshop close

If you have any questions during the Workshop please see either Hazel Higgs or Yvonne Collins in Room B1.37 which is opposite the Common Room