

WTS 2007 - Programme of Warwick and Hull Workshop 17-21 September, 2007

WARWICK 17-19 September, 2007 - All talks in MS01 in the Zeeman Building

Monday 17 September 2007 - MIR@W Day Turbulence: successes, failures and what is there to try next

- 09:00 **Registration** in Room B1.37 and Coffee in the Mathematics Institute Common Room
- 10:30 - 10:45 **Opening**
- 10:45 - 11:45 **U. Frisch** (OCA & Nice) *From Newtons' mechanics to Euler's equations. How the equations of fluid dynamics were born 250 years ago*
- 11:45 - 12:45 **V. Zakharov** (Arizona) TBA
- 12:45 - 14:00 Lunch
- 14:00 - 15:00 **A. Pouquet** (NCAR) *New results stemming from a high Reynolds number numerical simulation of three-dimensional MHD turbulence: do we have evidence for weak turbulence?*
- 15:00 - 15:45 **W. van de Water** (Eindhoven) *Waves above homogeneous isotropic turbulence*
- 18:15 Buffet dinner at the Mathematics Institute Common Room

Tuesday 18 September 2007

- 09:30 - 10:30 **V. Lvov** (Weizman Inst) *Fundamentals of wall bounded turbulence*
- 10:30 - 11:00 Coffee in the Mathematics Institute Common Room
- 11:00 - 12:00 **V. Zeitlin** (ENS) *Subharmonic resonance free-wave-trapped wave(s) and related nonlinear phenomena*
- 12:00 - 13:00 **I. Kolokolov** (Landau Inst) *Diffusion effects at large distances in passive advection*
- 13:00 - 14:00 Lunch at the Mathematics Institute Common Room

Wednesday 19 September 2007

- 09:30 - 10:30 **V. Lebedev** (Landau Inst) *Advanced stage of frictionless 2d turbulence*
- 10:30 - 11:00 Coffee in the Mathematics Institute Common Room
- 11:00 - 12:00 **S. Fauve** (ENS) *Fluctuations of energy flux in out of equilibrium systems*
- 12:00 - 13:00 **C. Barenghi** (Newcastle) *The visualization of superfluid turbulence*
- 13:00 - 14:00 Lunch at the Mathematics Institute Common Room
- 14:00-18:00 Bus trip to Hull**

HULL 20 & 21 September, 2007 - All talks in room CR1

Thursday 20 September 2007

- 09:15 - 09:30 **Opening**
- 09:30 - 10:15 **V. Zakharov** (Arizona) TBA
- 10:15 - 10:45 **V. Shrira** *When Hasselman Equation fails: "Fast" nonlinear evolution of water wave spectra*
- 10:45 - 11:15 **S. Annenkov** *Direct numerical simulation of Wave Fields far from equilibrium*
- 11:15 - 11:30 Tea Break
- 11:20 - 12:05 **E. Falcon** *Observation of gravity wave turbulence on a fluid surface*
- 12:05 - 12:50 **G. Kolmakov** *Turbulence on the surface of liquid helium and hydrogen*
- 13:00 - 14:00 Lunch
- 14:00 - 14:45 **V. Zeitlin** (ENS) **Weak Turbulence of near-inertial waves**
- 14:45 - 15:30 **S. Nazarenko** (Warwick) *Discrete effects in Wave Turbulence*
- 15:30 - 15:45 Tea Break
- 15:45 - 16:30 **S. Rica** and **G. During** *Wave Condensation*
- 18:00 - 23:00 Excursion to the DEEP and banquet

Friday 21 September 2007

- 09:30 - 10:15 TBA
- 10:15 - 11:00 **E. Kartashova** (J Kepler) *Mesosopic regimes in wave turbulent systems*
- 11:00 - 11:20 Tea Break
- 11:20 - 11:40 **S. Lukaschuk** (Hull) *Surface Gravity Wave Turbulence in a Laboratory Flume*
- 11:40 - 12:00 **W. van de Water** (Eindhoven) *Turbulence of Faraday Waves*
- 13:00 - 14:00 Lunch
- 14:00 - 14:45 **V. Efimov** *Formation and decay of direct and inverse cascades in the frequency spectrum*
- 14:45 - 15:30 TBA
- 15:30 - 15:45 Tea Break
- 15:45 - 16:30 *Poster Session Efimov, Hameed, ...*
- 16:30 - 17:00 *Concluding discussion*