

Autumn Term 2009/2010

Monday 16 November 2009

Nonlinear Waves and the Maslov Index

Organisers: Chris Jones and Frédéric Dias

All talks will be in Room B3.02, Mathematics Institute, University of Warwick

- 12:00-12:15 **Frédéric Dias** (ENS-Cachan and University College, Dublin) and **Chris Jones** (Warwick) *Introduction*
- 12:15-13:00 **Frédéric Chadard** (ENS-Lyon) *The Maslov index of periodic and solitary waves arising in dispersive equations*
- 13:00-14:00 Lunch in the Mathematics Institute Common Room
- 14:00-14:45 **Jian Deng** (Central University of Finance and Economics, Beijing) *Krein signature and the nonexistence of complex eigenvalues for the Zakharov-Shabat system*
- 14:45-15:30 **Short talks and discussion**
- 15:30-16:00 Tea in the Mathematics Institute Common Room
- 16:00-16:30 **Short talks and discussion**
- 16:30-17:30 **Tom Bridges** (Surrey) *Transversality of homoclinic orbits and the Maslov index*
- 17:30 Drinks and snacks in the Mathematics Institute Common Room

Talks will be held in the Mathematics Institute, Zeeman Building, University of Warwick
For detailed MIR@W programmes please see our website: go.warwick.ac.uk/miraw/days