

**PROGRAMME**  
**23<sup>rd</sup> SEPTEMBER MEETING**

DUBLIN INSTITUTE OF TECHNOLOGY  
2-3 SEPTEMBER 2010

**Thursday 2 September**

- 9:30-10:45 Registration and coffee
- 10:40-10:45 **Michael Devereux**  
*Introduction and welcome*
- 10:45-11:00 **Sandra Collins (SFI)**  
*Short address*
- 11:00-12:00 **Alexander Mikhailov (Univ Leeds)**  
*Automorphic Lie algebras and corresponding integrable systems*
- 12:00-12:30 **Michael Melgaard (DIT)**  
*Resonances in Quantum Chemistry:  
Complex absorbing potential method for systems*
- 12:30-13:30 Lunch
- 13:30-14:30 **Richard Timoney (TCD)**  
*Computation versus formulae for norms  
of elementary operators*
- 14:30-15:00 **Conor Masterson (Renaissance Reinsurance)**  
*Portfolio optimisation in a volatile market*
- 15:00-15:30 Coffee
- 15:30-16:00 **Frederic Dias (UCD)**  
*Breathers, solitons and freak waves*

- 16:00–17:00 **Eabhnat Ní Fhloinn (DCU)**  
*Mathematics Support and other strategies  
for tackling issues in the third-level  
mathematics classroom*
- 17:30–19:00 Social Event
- 19:30 Conference Dinner

**Friday 3 September**

- 9:30–10:30 **Hilary Ockendon (Univ Oxford)**  
*A Case History in Interdisciplinary  
Theoretical Mechanics*
- 10:30–11:00 **Benjamin McKay (UCC)**  
*On the powers of a nilpotent algebra*
- 11:00–11:30 Coffee
- 11:30–11:50 **Sally McClean (Univ Ulster)**  
*Markov and Semi-Markov reward  
systems for patient care*
- 12:00–12:30 **Brendan Goldsmith (DIT)**  
*On Hopfian and co-Hopfian groups*
- 12:30–13:30 Lunch
- 13:30–14:30 **Andrew Fowler (Univ Limerick)**  
*Drumlins*
- 14:30–15:00 **Paolo Guasoni (DCU)**  
*The Incentives of hedge fund fees  
and high-water marks*
- 15:00–15:30 Coffee
- 15:30–16:30 AGM of the IMS