

# Oxford Centre for the Analysis of Nonlinear PDE

OxPDE

**EPSRC**

Engineering and Physical Sciences  
Research Council



# Science and Innovation Research Programme

- £3.05 million grant over 6 years
- Contribution from Oxford of £2.5 million
- Grant covers
  - (a) 3 permanent University Lecturers, each funded for 5 years.
  - (b) 3 three year postdoc positions
  - (c) 3 project PhD studentships
  - (d) Refurbishment costs for building (HEFCE)
  - (e) Visitor programme
  - (f) Conferences, workshops, summer schools
  - (g) Travel and subsistence
  - (h) Computers, room hire ...

# Oxford Contribution

- One lectureship upgraded to Chair
- Further UL post
- Half-time project administrator
- Salary supplements
- One PDRA extended to 5 years
- Start-up funds for appointees
- 3 DTA studentships
- Staff time
- Extra refurbishment costs
- FEC

## New Appointments

Barbara Niethammer (October 2007)

Kristof Melcher (October 2007)

University Lecturer (October 2007)

Tom Witelski (October 2007)

Bryce Mcleod (Visiting Professor, June 2007)

# Appointments to follow

- (Non-tutorial) University Lectureship in the Analysis and Computation of Nonlinear PDE (Closing date 18 June – see <http://www.maths.ox.ac.uk/notices/vacancies>)
- Chair in the Analysis of Nonlinear PDE (from October 2008)
- 5 year Titchmarsh Research Fellowship (from April 2008)
- 2 three-year Research Fellowships (one from April 2008, one from April 2009)

# Research areas

- Fundamental analysis of PDE
- Fluid mechanics
- Analysis of numerical algorithms for PDE
- PDE in geometry and relativity
- Stochastic PDE
- Infinite-dimensional dynamical systems
- Nonlinear hyperbolic systems

# Exchanges

- Technische Universität Berlin
- Courant Institute
- Scuola Normale Superiore, Pisa
- Institute of Applied Mathematics, Bonn
- ETH Zurich
- SISSA, Trieste
- CEREMADE, Paris Dauphine
- MPI Leipzig

# UK activity (original proposals)

- Major PDE conference in Oxford in year 4
- National Steering Committee
- Each year a 2-day thematic workshop, and a 2-day general PDE conference (first two in Oxford)
- Propose programmes at INI, ICMS
- Minisymposia at BMC, BAMC
- Graduate summer schools for PhD students
- Events for prospective graduate students in final or penultimate undergraduate years