



# New Frontiers in the Mathematics of Solids Fracture: modelling, analysis and computation Workshop, 10 March 2008

Fracture mechanics is a significant scientific field of great practical importance. Recently the subject has been invigorated by a number of important accomplishments. From the viewpoint of fundamental science there have been interesting new developments aimed at understanding fracture at the atomic scale; simultaneously, active research programmes have focussed on mathematical modelling, experimentation and computation at macroscopic scales. The workshop aims to examine various different approaches to the modelling, analysis and computation of fracture. The programme will allow time for discussion.

## *Speakers include:*

**Andrea Braides (Università di Roma II, Italy)**

**Adriana Garroni (Università di Roma, “La Sapienza”, Italy)**

**Christopher Larsen (Worcester Polytechnic Institute, USA)**

**Matteo Negri (Università di Pavia, Italy)**

**Robert Rudd (Lawrence Livermore National Laboratory, USA)**

### **Where and when:**

The workshop will take place on Monday, 10 March 2008 at the Mathematical Institute, University of Oxford, 24-29 St. Giles, Oxford.

Registration with coffee will be at 10-10.30 am.

### **How to register and get more information:**

You can register on line on our website at [www.maths.ox.ac.uk/oxmos](http://www.maths.ox.ac.uk/oxmos) or by email ([oxmos@maths.ox.ac.uk](mailto:oxmos@maths.ox.ac.uk)). Limited funding is available to cover expenses. Applications will be treated on a case by case basis. Students and researchers at the beginning of their careers are particularly encouraged to apply.