

FBP2014
XIII International Conference on Free Boundary Problems:
Theory and Applications
June 23-27, 2014
Issac Newton Institute for Mathematical Sciences, University of Cambridge
<http://www.newton.ac.uk/programmes/FRB/frbw04>

In conjunction with the Isaac Newton Institute programme, the International Conference on Free Boundary Problems: Theory and Applications will be hosted at the Newton Institute, University of Cambridge, on 23-27 June 2014. This conference is the 13th in the series beginning in Montecatini (Italy, 1981) and succeeding in Maubuisson (France, 1984), Irsee (Germany, 1987), Montreal (Canada, 1990), Toledo (Spain, 1993), Zakopane (Poland, 1995), Crete (Greece, 1997), Chiba (Japan, 1999), Trento (Italy, 2002), Coimbra (Portugal, 2005), Stockholm (Sweden, 2008), and Chiemsee (Germany, 2012).

The aim of the conference is to bring together mathematical scientists with interests in the theory, numerics and applications of free boundary problems and discuss recent significant advances and current trends/directions in Free Boundary Problems and Related Topics. Particular attention will be devoted to the following topics:

- ✚ **Analysis of Free Boundary Problems**
- ✚ **FBPs in Fluid Mechanics**
- ✚ **FBPs in mixed PDEs**
- ✚ **Numerics for FBPs**
- ✚ **FBPs in Materials Science**
- ✚ **FBPs in Biology**
- ✚ **Recent developments in FBPs**

There will be more than **12 Plenary Lectures** (by J. Ball, AL. Bertozzi, K. Deckelnick, M. Feldman, J. Glimm, R. Goldstein, O. Jensen, J. Lowengrub, M. Novaga, J. Sethian, S. Shkoller, JL Vazquez, B. Wagner, among others) and more than **25 invited Focus Session lectures** for 7 Focus Sessions on the respective topics listed above.

Contributed Talks: Within the topics of the focus sessions, we wish to solicit contributed talks. These will be of length approximately 25 minutes. Please answer 'Yes' to the question 'Do you wish to apply to present a talk?' on the [application form](#), then follow the instructions for submitting your title and abstract.

Further information about the conference can be obtained from the website:

<http://www.newton.ac.uk/programmes/FRB/frbw04>

We urge all the interested participants to register and to submit their abstracts for contributed talks or for poster presentations using the online form available at

<http://www.newton.ac.uk/cgi/wsapply?CODE=FRBW04>

The deadline for abstracts submission is **May 25, 2014**.

Partial financial support will be available for young researchers. Requests for financial support must be submitted through the online registration form on the website of the conference.

Looking forward to seeing you in Cambridge!

Gui-Qiang G. Chen (Oxford), Charlie Elliott (Warwick), John King (Nottingham)