

Continuing Challenges in Earthquake Dynamics: New Methods for Observing and Modelling a Multi-Scale System

World leading scientists engaged in detailed observations and modelling of earthquake phenomena and young scientists interested in developing new collaborative links are invited to apply. The meeting will include on-going advancements in earthquake physics with the advent of new higher resolution data, growing linkages of physical / statistical models, and increasing use of robust statistical techniques to test models. The conference is organised by the European Science Foundation (ESF) in partnership with the Leopold-Franzens-Universität Innsbruck (LFUI) and it will take place on **24-29 September 2011** in Obergurgl, Austria.

Grants for Young and Early Stage Researchers available.

Further information about how to apply can be found below and at www.esf.org/conferences/11359 - Application Deadline: **24 June 2011**



Continuing Challenges in Earthquake Dynamics

24-29 September 2011 - **Chaired by:** Prof. Sandy Steacy, University of Ulster, Northern Ireland, UK - **Co-chaired by:** Dr. Annemarie Christophersen, GNS Science, NZ; Dr. Sebastian Hainzl, GFZ German Research Centre for Geosciences, DE; Dr. David Marsan, Université de Savoie, FR

Programme

The meeting will build on the successful ESF-FWF-LFUI conference "New challenges in earthquake dynamics: Observing and modelling a multi-scale system" convened in 2008. However, it will include on-going advancements in earthquake physics with the advent of new higher resolution data, growing linkages of physical / statistical models, and increasing use of robust statistical techniques to test models. [\[More\]](#)

Invited speakers will include

Francois Cornet Institut de Physique du Globe Strasbourg, FR | **Thomas Fischer** Charles University Prague, CZ | **Phil Meredith** University College London, UK | **Masao Nakatani** University of Tokyo, JP | **Jim Dieterich** University of California Riverside, US | **Ana Ferreira** University of East Anglia, UK | **Isabelle Manighetti** Laboratoire de Geophysique Interne et Tectonophysique Grenoble, FR | **Giulio Di Toro** Istituto Nazionale di Geofisica e Vulcanologia Rome, IT | **John McCloskey** University of Ulster, UK | **Massimo Cocco** Istituto Nazionale di Geofisica e Vulcanologia Rome, IT | **Joan Gomberg** US Geological Survey Seattle, US | **Hugo Perfettini** Institut des Sciences de la Terre (ISTerre), FR | **Jeff McGuire** Woods Hole Oceanographic Institute, US | **Shinji Toda** Disaster Prevention Research Institute Kyoto, JP | **Sebastian Hainzl** GeoForschungsZentrum (GFZ) Potsdam, DE | **Mark Naylor** University of Edinburgh, UK | **Max Werner** Princeton University, US | **David Marsan** Institut des Sciences de la Terre (ISTerre), FR | **David Shelly** US Geological Survey, US | **Sandy Steacy** University of Ulster, UK

How to Participate

Attendance is possible only after successful application. Full conference programme and

application form accessible from www.esf.org/conferences/11359

A certain number of grants are available for students and early stage researchers to cover the conference fee and possibly part of the travel costs.

Closing date for applications: **24 June 2011**

Sponsor a Conference

This conference will be providing the opportunity for leading scientists and young researchers to meet for discussions on the most recent developments in their fields of research. We enable collaboration between international scientists from EU, first world and emerging countries which acts as a catalyst for creating new synergistic global contacts across disciplines.

We invite you to join us in harnessing this great potential, working towards an even more cohesive scientific force in Europe and beyond by contributing to our intense, dynamic and fun events.

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