

## Call for Papers

for a **PAGEOPH TOPICAL VOLUME** on

## Earthquake Source Physics on Various Scales

We invite submissions for a **special issue of *Pure and Applied Geophysics (PAGEOPH)***, entitled "**Earthquake Source Physics on Various Scales**". The goal of this volume is to collect work from scientists and students working on all aspects of earthquake source physics and scaling, ranging from smallest-scale laboratory experiments to giant megathrust earthquakes, in order to summarize the current state-of-the-art knowledge on the earthquake source process as well as provide guidelines for future research needs to find solutions to problems still encountered.

The issue will mainly include papers presented at the ECGS 2012 Workshop, held in Luxembourg, October 3-5 2012 ([www.ecgs.lu/source2012](http://www.ecgs.lu/source2012)), but you do not need to have attended the meeting in order to contribute to this special issue.

In particular, **scientists working on the following topics** (but not restricted to these) are strongly encouraged to submit contributions:

\* laboratory rock friction experiments, \* earthquake source parameters and scaling (from micro-earthquakes, natural and/or induced, to regional and worldwide observations of small to large earthquakes) and their variability, \* the source physics of mega-thrust events such as the 2011 Tohoku earthquake, \* end-member models of rupture dynamics (i.e., super-shear and slow events), \* numerical and theoretical analyses, as well as the \* study and prediction of earthquake ground motions of large earthquakes and their relation to source parameters.

**Please submit** your paper to this issue by going to [www.editorialmanager.com/pageoph/](http://www.editorialmanager.com/pageoph/), then register as an author and select "**Report-Top.Vol. Earthquake Source Physics**" as the article type.

A link to the journal website, which includes information for authors, can be found at [www.springer.com/birkhauser/geo+science/journal/24](http://www.springer.com/birkhauser/geo+science/journal/24).

There is no page limit per manuscript. Naturally, the length of an article should be justified by its content. Colour figures are allowed, and will be published in colour both online and in the printed issue. The authors are requested, however, to use colour graphs, photos or drawings only when necessary.

**Deadline for submission of papers is May 1, 2013.**

**All submissions will be subject to the PAGEOPH peer review process.** Submitted manuscripts will be sent to at least two reviewers. If you consider submitting a manuscript, we kindly ask you to email a tentative title and authors list to **Adrien Oth <adrien.oth@ecgs.lu>** as soon as possible.

**Guest editors are:**

- Adrien Oth, European Center for Geodynamics and Seismology (ECGS), Luxembourg
- Kevin Mayeda, Berkeley Seismological Laboratory, UC Berkeley
- Luis Rivera, Institut de Physique du Globe, Université de Strasbourg

Adrien Oth <adrien.oth@ecgs.lu> serves as corresponding editor.