

Trends in Complex Systems

International Workshop on Extreme Events: Theory, Observations, Modeling, and Prediction

Palma de Mallorca, November 10 - 14, 2008

Scientific coordination:

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This workshop launches the program **Trends in Complex Systems** [<http://www.pks.mpg.de/~tcs> or <http://ifisc.uib.es/tcs>]. We will address the current state of research of extreme events to stimulate new work in this field. The talks will cover a wide range of issues related to extreme events in complex systems, such as listing systems and model classes where evidence for extreme events exists, presenting current statistical tools for the characterization of extreme events including temporal and spatial correlations, and highlighting examples where a detailed understanding of underlying mechanisms has been achieved. This will be completed by the issue of prediction and predictability, of scoring and evaluating predictions, and control of extreme events, as well as considerations about the discrepancy between physical impact of some event and societal impact.

In addition to the invited speakers, the workshop facilities enable us to target an audience of about 60 additional participants, who will also present their work in contributed talks and posters. A special emphasis of this workshop lies on discussion, for which ample time is available.

Invited speakers include: (* to be confirmed)

Michael Ghil, Paris

Bruce Malamud*, London

Lenny Smith*, London

Peter Grassberger, Calgary

Edward Ott, Maryland

Sorin Solomon, Jerusalem

Jürgen Kurths, Potsdam

Jean-François Pinton, Lyon

Didier Sornette, Zurich

Juan M. López, Santander

Sidney Redner, Boston

Raúl Toral, Mallorca

Applications for participation and contributions are welcome and should be made by using the application form on the workshop web page (please see URL below). The number of attendees is limited. The applicants' registration fee for the workshop is 100 Euro. Costs for accommodation will be covered during the workshop. Limited funding is available on request to partially cover travel expenses.

Deadline for applications is: **September 10, 2008.**

CONTACT:

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