

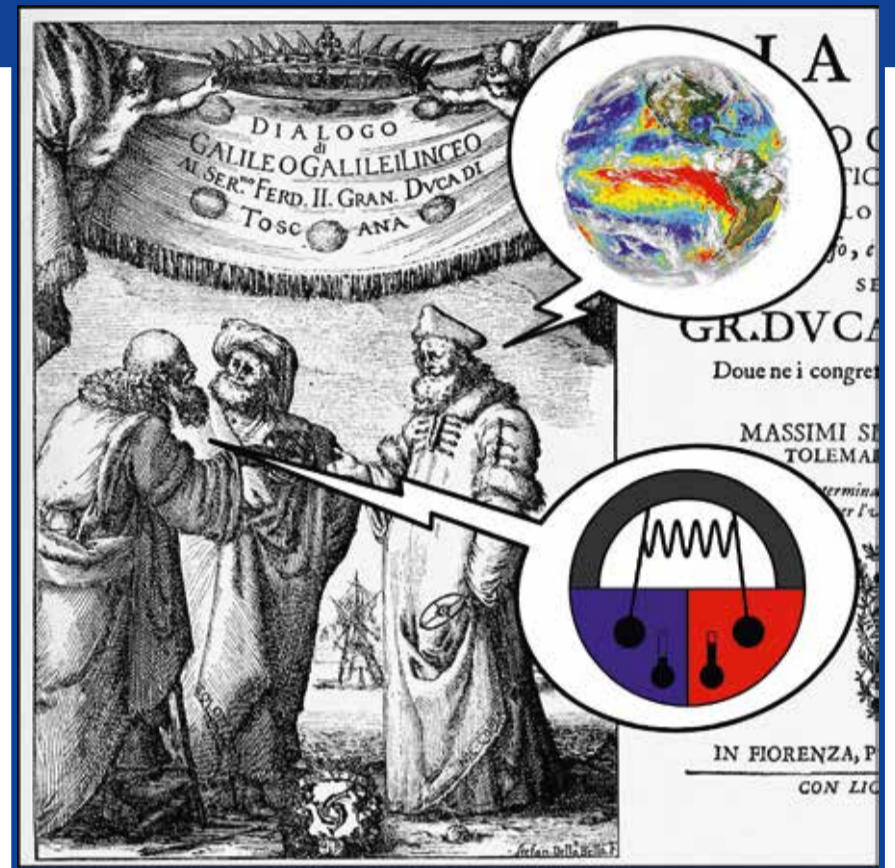


MAX-PLANCK-GESELLSCHAFT

Climate Fluctuations and Nonequilibrium Statistical Mechanics: An Interdisciplinary Dialogue

International Seminar & Workshop 10 July - 4 August 2017 Workshop week: 17 - 21 July 2017

Fluctuations have long been a focus of statistical mechanics, while climate and weather fluctuations are an essential part of the climate system. This seminar brings together researchers from the statistical mechanics and climate science communities to explore connections between the two fields and develop new multidisciplinary research directions.



Topics:

- Fluctuations
- Nonequilibrium steady states
- Probability currents
- Stochastic models
- Entropy production
- Natural and forced climate variability
- Extreme events
- Stochastic parameterization
- Climate oscillations (El-Niño, Madden-Julien Oscillation, etc.)
- Ensemble simulations
- Statistical closures

Invited speakers:

Judith Berner (US)
Eberhard Bodenschatz (DE)
Freddy Bouchet (FR)
Sergio Ciliberto (FR)
Baylor Fox-Kemper (US)
Petra Friederichs (DE)
Rosemary J. Harris (UK)
Christopher Jarzynski (US)
Holger Kantz (DE)
Valerio Lucarini (UK)
Satya Majumdar (FR)
Jochem Marotzke (DE)
Tim Palmer (UK)
Cecile Penland (US)
Inna Polichtchouk (UK)
Stefan Rahmstorf (DE)
Udo Seifert (DE)
Paul Williams (UK)
Laure Zanna (UK)

Scientific coordinators:

Joachim Krug
Köln, DE
Brad Marston
Providence, USA
Jeffrey Weiss
Boulder, USA
Royce Zia
Blacksburg, USA

Organisation:

Maria de Haas
MPIPKS Dresden

Applications received before 10 March 2017 are considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page. The number of attendees is limited. The registration fee for the international seminar and workshop is 120 Euro and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses.

For further information please contact:

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