

Weekly newsLetter in Statistical Physics: conferences, academic jobs and post-doc positions

CONFERENCES

**Four weeks program on “Conformal bootstrap and statistical models”,
3-28 May, 2021, Pascal Institute, in the Paris-Saclay campus, France.**

The goal of the program is to provide a platform where experts in conformal bootstrap techniques and experts in statistical physics can discuss and solve specific mathematical and statistical problems.

Status of conformal bootstrap, Statistical physics targets,

Bootstrap for structural phase transitions, Non-unitary bootstrap methods

See <https://indico.ijclab.in2p3.fr/event/5833/>

Due to the pandemic, we are planning for remote participation to be possible.

Moreover, we will welcome as many participants to come in person as sanitary

rules and limitations of office space will allow. All interested researchers are

invited to register on the program's website. The deadline for requesting in

person participation is 12 February 2021. There is no deadline for remote

participation: in this case, the main purpose of registering is to receive email updates.

J. Jacobsen, M. Paulos, S. Ribault, S. Rychkov, R. Santachiara, K. Wiese

From: Kay Wiese <wiese.lptens@gmail.com>

Micromechanics of failure, EGU meeting 2021,

The session "Micromechanics of Material Failure in Geophysics"

is part of the EGU General Assembly 2021.

<https://meetingorganizer.copernicus.org/EGU21/session/39353>

We solicit contributions with a focus on statistical mechanics approaches within interdisciplinary contexts relating to material failure and relevant to geophysics and earth science applications.

From: Kamran Karimi <kamran.karimi1@ucalgary.ca>

ACADEMIC JOBS

**Tenure track position in environmental physics and mathematics
in the Department of Solar Energy and Environmental Physics
of Ben-Gurion University of the Negev, Israel**

The Department of Solar Energy and Environmental Physics seeks applied mathematicians and/or physicists interested in environmental science problems.

Candidates with a background in one or more of the following fields are

encouraged to apply, although candidates with other backgrounds may also

be considered: statistical physics, nonlinear dynamics, (geophysical) fluid

dynamics, pattern formation, mathematical modeling of environmental systems,

and mathematics and physics of global scale processes and climate change.

The candidate should have post-doctoral experience and an excellent academic record.

Interested candidates can submit their

applications through:

https://bguacademicrecruitment.force.com/Recruiters/VF_BGUPositions?Id=02i5I00000051vjQAA#

From: Yosef Ashkenazy <ashkena@bgu.ac.il>

POST-DOC POSITIONS

**2-year postdoctoral position in the Department of Physics
at the University of California, Berkeley, USA**

To work on the NSF-funded project "Collaborative Research: Inverse pathways in turbulent convection -- the impact of spatial anisotropy", jointly supervised by Professors E. Knobloch (Berkeley) and K Julien (Boulder). The project focuses on anisotropic turbulence in general, and rapidly rotating turbulence in particular. Experience in asymptotic analysis, and the theory and simulation of turbulent flows in three dimensions is desirable. A recent PhD in fluid dynamics, applied mathematics or a related area is required. The position is available from 1 August 2021 or by mutual agreement. Applications should be submitted to Professor E. Knobloch (knobloch@berkeley.edu) before 15 January 2021. For more information please contact Professors Knobloch or Julien (keith.julien@colorado.edu). The University of California is an equal-opportunity employer; applications from women and under-represented minorities are strongly encouraged.

From: Edgar Knobloch, knobloch@berkeley.edu

**Postdoc on large scale coherence in turbulent flows at Nordita,
the Nordic Institute for Theoretical Physics, Stockholm, Sweden**

Nordita invites applications for a post-doctoral fellowship stipend in theoretical physics associated to the research project "Understanding the emergence of large scale coherence in turbulent flows" of Nordita Assistant Professor Dr. Cristobal Arratia. More details in <https://nordita.org/positions/index.php>
Applications are to be submitted online: <https://academicjobsonline.org/ajo/jobs/17329>

From: Cristobal Arratia <cristobal.arratia@gmail.com>

**PostDoc position in computational psychiatry (modeling/data assimilation)
at the Amsterdam Medical Center, Netherlands**

Possible collaborations colleagues at Frankfurt School and UCLA.
The deadline is on November 20th. Candidates are expected to have a background in Statistical Physics, Applied Mathematics, or Computational Science and experience in HPC using Python, Julia, and C++.
<https://werkenbijamc.nl/vacatures/postdoc-computational-modelling-of-depression/>

Böttcher Lucas <lucasb@ethz.ch>

MISCELLANEOUS

Updating your email address

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Rules and archives see <http://perso.ens-lyon.fr/thierry.dauxois/NewsletterStatphys.html>
