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

CONFERENCES

**Workshop : 2nd Gravitational Wave Science & Technology Symposium
(GRASS 2019) Padova (Italy) 17-18 October 2019**

The Workshop is aimed at exploring the panorama of gravitational-wave related experimental science beyond the next decade. Topics: thermal noise in and out of thermodynamic equilibrium, advanced cryogenics, ultra low-noise optical coatings and new strategies for quantum noise reduction.

Contributions are welcome from communities not yet deeply involved in GW science. Participation by young researchers is encouraged with some financial support available. Deadline: September 9th, 2019 - Website: <https://agenda.infn.it/event/19163/>

From: Ludovic Bellon <Ludovic.Bellon@ens-lyon.fr>

**Summer school “Scaling limits in Kinetic Theory”
September 30th - October 4th 2019 at ENS de Lyon, France**

The school will focus on rigorous aspects of the derivation of effective kinetic equations for interacting particle systems from their microscopic dynamics. It will include 4-hour minicourses by F. Bouchet, I. Gallagher, G. Gallavotti, F. Rezakhanlou, H. Spohn, as well as several 1-hour talks. <http://homepages.ulb.ac.be/~mduerinc/summerschool'19.html>
Organizers: M. Duerinckx, L. Saint-Raymond, S. Simonella

From: Sergio Simonella <sergio.simonella@ens-lyon.fr>

ACADEMIC JOBS

Tenure Track position in Complexity, University of Amsterdam

The Institute for Theoretical Physics and the Informatics Institute of the university of Amsterdam are looking for a theoretical physicist/complexity scientist for a joint appointment at both institutes. <https://www.uva.nl/en/content/vacancies/2019/08/19-547-tenure-track-position-in-complexity.html>

From: Edan Lerner <e.lerner@uva.nl>

POST-DOC POSITIONS

**Postdoc position in Experimental Astrophysics,
Universidad de Chile (Santiago, Chile)**

Postdoc position for studying the the effect of tribocharging on granular agglomeration and its relevance for planet formation. Two experiments are being developed:
(1) a 3m free-fall apparatus to observe and characterize collisions between pairs of

particles in vacuum; (2) Controlled collisions using an ultrasonic levitation apparatus. Working with real and simulated meteoritic samples, we will probe the enhancement of clustering efficiency due to tribocharging. Experimental results will be used as inputs of numerical simulations, in collaboration with astronomers and theoretical physicists. Selected candidate will have to present a research grant at FONDECYT for funding (<https://bit.ly/2KRTAld>); if funded, the position is expected to start in April 2020. The candidate must have his/her PhD certificate before Oct. 1, 2019 for the FONDECYT application. More details: <https://bit.ly/2VaSF5p>

From: Nicolás Mujica <nmujica@dfi.uchile.cl>

Postdoctoral proposal: Physics approach to developmental biology, at the Physics Department of Universidad de Chile (Santiago, Chile)

We are seeking a candidate with training in biology and physics to experimentally study aspects of developmental biology with a physical perspective. The project aims to use fluorescent microscopy, genetic modifications and mechanical manipulation of fish embryo to study the motion of migrating cells that move using epithelia as substrate. The objective is to determine the relation of the mechanics and statistical properties of the migration process with the spatio-temporal distribution of active tensions on the tissue. More information at <http://activematter.dfi.uchile.cl/en/?p=2082>

From: Rodrigo Soto <rsoto@dfi.uchile.cl>

Postdoc position in Theoretical Ecology at the International Center for Theoretical Physics - South American Institute for Fundamental Research (ICTP-SAIFR; São Paulo, Brazil).

We are looking for candidates with a strong interest in biology and training in statistical physics, applied mathematics, computer science, and/or related disciplines. The expected starting date, although negotiable, is January 2020; applications will be accepted until the position is filled. Broadly, the main focus of the project is to theoretically investigate how different individual-to-individual and individual-by-environment interactions may lead to the emergence of spatiotemporal patterns across biological systems and how such patterns may impact population, community, and ecosystem-level dynamics. <https://www.rmtzgarcia.com/postdoc-positions.html>

From: Ricardo Martinez Garcia <ricardom@princeton.edu>

MISCELLANEOUS

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If you want to update your address to receive messages for this mailing list, please visit <https://listes.ens-lyon.fr/sympa/signoff/info.statphys> to unsubscribe from the old address and to subscribe to the new one visit <https://listes.ens-lyon.fr/sympa/subscribe/info.statphys>
