

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

CONFERENCES

Les Houches School: 'Dynamics of Complex Quantum Systems: from Theory to Computation', Les Houches, France, 12 to 23 April 2021

The aim of the school is to introduce young researchers (starting from PhD student level) to the physics of out-of equilibrium dynamics and thermalisation occurring in quantum many-body systems. The focus will be on learning modern numerical tools and methods to address and resolve model problems in condensed matter systems and ultracold atomic gases. We hope that the sanitary situation in France will allow us to host a maximum number of participants on-site; however, the fully on-line option is not excluded. Registration deadline: February 15th 2021.

Webpage: <https://comp-quant-2021.sciencesconf.org>

From: alberto rosso <alberto.rosso74@gmail.com>

The Second Workshop on Stochastic Thermodynamics (WOST II) May 17 - May 21, 2021 (online)

It will be hosted by the Santa Fe Institute, next May 17 - May 21, with a day of tutorials on May 13. This workshop will be held entirely online and is free to attend for everyone. Stochastic thermodynamics has revolutionized our understanding of far-from-equilibrium statistical physics over the last few decades, and continues to result in deep, powerful results ranging from fluctuation theorems over speed-limit theorems to thermodynamic uncertainty relations. More information, including a call for submission for lightning talks: https://wiki.santafe.edu/index.php/Stochastic_Thermodynamics_II
Submission deadline of abstracts for lightning talks: January 31, 2021.

From: Cigdem Yalcin <gcyalcin@istanbul.edu.tr>

Inhomegenous Random Systems 2021 conference program January 26-27, IHP, Paris, France and online

The two days are independent and will focus on:

Tuesday the 26th: Structure and function of complex networks: epidemics and optimization.

Wednesday the 27th: Statistical physics of active matter

More at <http://irs.math.cnrs.fr/2021/>

From: Julien Tailleur <julien.tailleur@univ-paris-diderot.fr>

POST-DOC POSITIONS

Postdoctoral positions in Physics of Living Matter, at Institute for Natural Sciences, Shanghai Jiao Tong University, China

We seek motivated researchers from both experimental and theoretical areas in statistical physics, soft matter, and biophysics. Research Subjects: Experiment and theory on active matter/Modeling and simulation of biological pattern formation (Tissue, Organoids, etc.)/Out of equilibrium states of soft matter/Complex fluids/Collective control of robots. For further information: <https://ins.sjtu.edu.cn/people/hpzhang/SJTUPostdoc.pdf>

From: Masaki Sano <sano.masaki@sjtu.edu.cn>

Post-doc in Theoretical Biophysics at Sartori Group. Gulbenkian Institute, Lisbon, Portugal

The position is to work on the field of theoretical biophysics, broadly understood. Research interests include: self-assembly of protein systems, cellular energetics, and evolution of ecosystems. Candidates should: Hold a PhD in statistical physics, soft matter, or non-linear dynamics. Be interested in biology, no prior experience required. Be open to multidisciplinary approaches, including collaborating with experimental groups. See: <https://www.sartorilab.org/apply>

From: Pablo Sartori <psartori@igc.gulbenkian.pt>

Experimental postdoctoral contract in fluid mechanics, at ENSTA, Institut Polytechnique de Paris, France

Within the framework of the funded project "Aerosol and turbulence interaction", supervised by R. Monchaux in collaboration with M. Massot (Polytechnique) and A. Vié (CentraleSupélec). The project aims to study experimentally the feedback exerted by inertial particles on a turbulent flow. The main tool is a recently developed technique to simultaneously measure particle and flow velocities. A recent PhD in experimental physics is required.

Link: https://perso.ensta-paris.fr/~monchaux/inert_part.html

From: Romain Monchaux <romain.monchaux@ensta-paris.fr>

MISCELLANEOUS

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