

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

ACADEMIC JOBS

Professor or Associate/Assistant professor in Mathematical physics at the University of Helsinki, Finland

The Department of Mathematics and Statistics of the University of Helsinki invites applications for a Professor or Associate/Assistant professor in Mathematical physics. A successful applicant needs to have a strong track record in mathematically rigorous aspects of mathematical physics. The deadline for applications is August 15th, 2020; full announcement and instructions are available at <https://www.helsinki.fi/en/open-positions/professor-or-assistantassociate-professor-in-mathematical-physics>

From: Jani Lukkarinen <jani.lukkarinen@helsinki.fi>

POST-DOC POSITIONS

2 years postdoc fellowship on “Statistical mechanics approaches to Machine Learning and protein structure generation”, Dept of Physics and Astronomy, Padova

The statistical mechanics group in Padova seeks applications for a postdoctoral fellowship starting in Fall 2020. The project consists in studying polymers with simulations and machine learning techniques, with a particular focus on topological features as knots and links. The final aim is approaching the problem of protein structure prediction with machine learning methods. Interested candidates may contact E. Orlandini (enzo.orlandini@unipd.it) and M. Baiesi (marco.baiesi@unipd.it).

From: Marco Baiesi <marco.baiesi@unipd.it>

Postdoctoral Fellowship Opportunity in non-equilibrium statistical physics at the Santa Fe Institute, USA

This research project focuses on the first-passage and non-equilibrium dynamics of many-body systems. Specific topics include, but are not limited to: stochastic failure problems, extinction dynamics of microbial populations, stochastic search processes, and the random-walk modeling of foraging dynamics. The successful candidate will be supervised and work closely with Professor Sid Redner. The ideal candidate should have a background in non-equilibrium statistical physics, with strong analytical skills, a facility for programming, and flexibility to work in new areas. Subject to performance and available funding, the position will last up to 2 years.

From: Sidney Redner <redner@santafe.edu>

Postdoc in Statistical Physics of Active Matter in the Department of Physics and Materials Science at the University of Luxembourg

Applications are invited for a Postdoc position at the University of Luxembourg, as part of the Statistical Physics of Active Matter group supervised by E. Fodor. The project aims at combining methods of stochastic thermodynamics and large deviation theory to address problems of optimal control in active matter. Applicants are expected to have a good knowledge of statistical mechanics and computer simulations. Further information on how to apply can be found here <http://emea3.mrted.ly/2hy1z>

From: Étienne Fodor <e.fodor@damtp.cam.ac.uk>

3 postdoc positions in mathematics and mathematical physics (including statistical mechanics and stochastic processes) at the Gran Sasso Science Institute, L'Aquila, Italy

The appointment is for two years. Deadline July 23, 2020. Further information, including the research profiles, can be found at <https://applications.gssi.it/postdoc/docs/2020-1/Callpostdoc2020.pdf>

From: Giacomo Gradenigo <giacomo.gradenigo@gssi.it>

ENS Paris Physics Department - 2 positions postdoctoral as Junior Research Chair holders

Two-year contract beginning end of 2021, with possible extension: one year for theoreticians and two years for experimentalists. In addition to an internationally competitive salary, the position includes an attractive travel allowance, and dedicated research funds for experimentalists (150 000 euros). Candidates are encouraged to make early contact with faculty to construct their project, and shall refer to these contacts in the research statement. Application deadline by October 31, 2020. <https://academicjobsonline.org/ajo/jobs/16534>

From: Sarah Reemers <sarah.reemers@ens.psl.eu>

MISCELLANEOUS

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