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

Online conference « Youth in High-Dimensions », 15—18 June 2021:

The goal is to give emerging researchers the opportunity to present their results,
focusing on high-dimensional problems arising in machine learning, inference,
statistical physics, and neuroscience. Registration is free and possible via
http://indico.ictp.it/event/9596/
We have a great line-up of invited speakers and we will have a poster session
during the conference. Please encourage your PhD students, post-docs and
junior colleagues to submit their work at https://forms.gle/6faPQkuQ9M6PBrZd6
and to attend the conference. Of course, everybody at any career stage is welcome!
The organisers: J. Barbier (ICTP), M. Gabrié (NYU/Flatiron), Sebastian Goldt (SISSA) & M.
Mondelli (IST Vienna)

From: jean barbier <jean.barbier.cs@gmail.com>

TQTD2021: Quantum Thermodynamics Conference 2021, October 4-8, online.

Registration is free. For details about the scope of the event and
relevant deadlines please visit the conference website: https://qtd2021.ch/

From: Marti Perarnau Llobet <Marti.PerarnauLlobet@unige.ch>
**Post-doctoral position in Machine learning in statistical physics,
Beijing Computational Science Research Center (CSRC), China**

Post-doctoral associate position on Machine-learning in Statistical Physics
opens to study phase transitions and critical phenomena of statistical
physics models. The study concentrated on the accuracy of calculating
critical temperature and correlation length exponent using neural networks.
The Beijing Computational Science Research Center (www.csrc.ac.cn)
provides its facilities for high-performance computing and has a long tradition
in computationally intensive methods. Applicants from all countries are welcome.
http://csrc.ac.cn/en/career/postdoc-position/

From: Lev Shchur <levshchur@gmail.com>

**Postdoc position in Theoretical/Computational Neuroscience,
at Washington University in St. Louis**

The selected candidate will work on one or more computational problems at
the interface between physics and neuroscience. A brief description of the
projects, involving models of plasticity and learning, memory and decision-making,
can be found at http://neurosci.wustl.edu/People/Faculty/Gaia-Tavoni. A range
of approaches are used, including methods from statistical physics, information

theory and dynamical systems. Candidates with backgrounds in physics, mathematics or engineering, good programming skills, a keen interest in computational neuroscience, intellectual curiosity and drive are welcome to apply. For further information and applications please contact gaia.tavoni@wustl.edu, including a detailed CV, a brief statement of research experience and interests (max 2 pages), names and email addresses of 2 references.
Please indicate "Post-doc application" as the subject of your email.

From: "Tavoni, Gaia" <gaia.tavoni@wustl.edu>

Postdoc position "statistical physics of machine learning" at Universidad Complutense de Madrid

Position available in the department of theoretical physics (one year renewable up to 3 years). The aim of the research project is to characterize many aspects of generative models and in particular Restricted Boltzmann Machine. The candidates should have experiences in stat. phys and/or machine learning.
More details can be found at https://www.lri.fr/~adecelle/site/pages/jobs.html.
Applications made before the 20th of May will be given priority.
The position can start in September 2021 at the soonest.
Please contact adecelle@ucm.es for submissions or more information.

From: "Aurélien Decelle" <orel.dece@gmail.com>

Postdoc position at the Universitat Autònoma de Barcelona, Spain

Position at the intersection of nonequilibrium statistical mechanics and open quantum system theory. The starting date for postdocs is flexible. For further information, please visit
http://philipp-strasbergs-homepage.mozello.com/news/.

From: Philipp Strasberg <Philipp.Strasberg@uab.cat>

Postdoctoral position in Barcelona, Spain

A postdoctoral position (12+6 months) in theory and computation for bionano systems is available in September at Barcelona Un. Ideal candidate has a PhD in physics/physical chemistry, strong experience in stat-phys modeling, biophysics, nanoscience, programming, data-analysis, an enthusiastic scientific curiosity/dedication. Practical skills with common simulations suites, CUDA/GPUs are a plus. Open until filled, priority for applications (CV+motivation letter+contacts for 2/more possible letters of support) received before 20/5 at gfranzese@ub.edu.

From: Giancarlo Franzese <gfranzese@ub.edu>

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