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

CONFERENCES

**Workshop "Uncertainty and Fluctuations in Thermodynamics",
12-13 March, 2020, WIAS Berlin.**

Confirmed speakers are H.C. Öttinger, R Harris, E. Daus, R. Jack, M. Bruna, M. Pavelka. A limited number of slots for contributed talks are available.

For more information and registration, please see
<https://www.wias-berlin.de/workshops/UFTH20/>.

From: Michiel Renger <renger@wias-berlin.de>

**NETSCI2020: Flagship conference of the Network Science Society
6-10 July, 2020, Rome, Italy. Call for Satellite proposals now open**

NetSci 2020, the flagship conference of the Network Science Society, will host several Satellite Symposia as precursors of the main conference. These satellite events are one-day or half-day meetings with a focus on a specific topic of Network Science and its Applications. All fields and subjects are welcome. The submission deadline is 31st January, 2020. For more information and submission instruction, visit <http://netsci2020.netscisociety.net/calls-satellites/>

From: Giulio Cimini <giulio.cimini@roma2.infn.it>

ACADEMIC JOBS

**2 permanent positions in data science,
School of Mathematical Sciences at Queen Mary, University of London, UK.**

Positions in Data Science/Foundations of Data-driven Approches to Complex Systems, at Lecturer or Reader level. Deadline for applications: 13 January 2020.
<https://webapps2.is.qmul.ac.uk/jobs/job.action?jobID=4916>

From: Christian Beck <c.beck@qmul.ac.uk>

**Full Professor Position in Theoretical Physics at LPTM,
University of Cergy-Pontoise, France**

We expect the opening of a Full Professor position at the Theoretical Physics and Modelisation Laboratory (LPTM), Physics Department, University of Cergy Pontoise, France. Position to start on September, 1st 2020. The position is expected to be endowed with a 2/3 teaching-duties exemption for 3 years (yielding the teaching duties to 64 hrs instead of 192 hrs). We are looking for outstanding candidates with a profile primarily in Complex Systems, Computational Neurosciences,

Soft Matter ; and/or Probabilities, Stochastic dynamics and Integrable Systems.
More details can be found here: <https://euraxess.ec.europa.eu/jobs/474697>

From: Alessandro Torcini <alessandro.torcini@u-cergy.fr>

POST-DOC POSITIONS

One junior postdoc at Jagiellonian University, Krakow, Poland

The NISQ project ("Near-term quantum computers") is looking for one junior postdoc (limited time after obtaining PhD) to work on using statistical physics to characterize the computational power and possible practical applications of quantum computing devices. NISQ is a collaboration between three groups based in Warsaw, Krakow and Gliwice in Poland. The position is at Physics Dept of Jagiellonian University in Krakow. Announcement and information on how to apply is here: <https://euraxess.ec.europa.eu/jobs/472072> and www.nisq.eu. Potential candidates are welcome to contact me directly.

From : Erik Aurell <info.statphys-request@listes.ens-lyon.fr>

Postdoctoral positions in experimental gravitational-wave physics at the University of Padova, Italy

The Virgo group in Padova (Italy) is seeking to hire two post-docs in experimental gravitational-wave physics for two years. Topics include thermal noise in mechanical oscillators out of thermodynamic equilibrium, quantum-vacuum squeezing technique, laser-cavity mode-matching sensing and control, stray light analysis and mitigation, high-performance OPLLs, production and characterization of low-loss optical coatings... The successful candidates will also have the opportunity to spend part of their research time at the Virgo site in Cascina, Italy.
More info : <https://euraxess.ec.europa.eu/jobs/464438>
Contact: G. Ciani <giacomo.ciani@unipd.it>

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

4 year tenure track Nottingham-MIT fellowship in Artificial Intelligence and Biomaterials Discovery

Two 4 year fellowship opportunities to work between the laboratories of D. Anderson and R. Langer (MIT) collaborating with M. Alexander (University of Nottingham UK). The scheme expects the successful candidate to transition to an academic position at the University of Nottingham. Applications sought from: Computational researchers with experience in artificial intelligence and machine learning, and Experimentalists with experience in high throughput discovery of organic biomaterials. Salary: £39,609 to £48,677 per annum. Deadline extended to Friday 3rd January
More details: <http://jobs.nottingham.ac.uk/SCI1905>

From: Morgan Alexander <Morgan.Alexander@nottingham.ac.uk>

**Postdoc position in statistical mechanics of materials, Mikko Alava group,
Nomaten Center of Excellence, Warsaw, Poland**

These positions concern understanding complexity in the physics of materials. An additional dimension is machine learning, in developing such understanding, including the phase transitions and critical phenomena found in plasticity, fracture... The project(s) may also have an interface with experiments. Deadline for applications: Jan 17th, 2020.

From: Alava Mikko <mikko.alava@aalto.fi>

**Postdoc position Theoretical Physics with Applications to Biology,
Embl-Australia @ UNSW, Sydney, Australia**

Seeking a talented and fun individual to fill a postdoctoral vacancy in the fledgling 'Theory of Biological Systems' lab of Richard Morris, an EMBL-Australia group leader based in UNSW, Sydney. Candidates should have prior expertise in either statistical mechanics / stochastic processes, or theoretical soft-condensed matter physics. (Particular attention will be paid to those with experience of stochastic thermodynamics or system-size expansions). Positions are for an initial 1 year, with the possibility of extension up to a total of 3 years. Contact r.g.morris@unsw.edu.au or apply here. Deadline is 6th Jan 2020. Successful candidates are notionally expected to be in place by mid 2020.

From: Richard Morris <richardgmorris@gmail.com>

**Post-doc position on complex systems (for 1 year, but renewable) at
the Physics and Astronomy Department of the University of Catania, Italy.**

The position will start on February 2020. The position is funded by the PRIN project 2017 "Stochastic forecasting in complex systems". We are looking for a motivated young talented theoretical physicist able to work on data analysis and modeling of complex systems of various nature, such as financial markets, earthquakes and the brain. It is required a very good expertise on advanced programming in Python, Matlab or R and a solid and well documented research activity in big data and theoretical models suitable for the study of the dynamics of complex systems. Send a CV and a letter of reference to andrea.rapisarda@ct.infn.it

From: Andrea Rapisarda <andrea.rapisarda@ct.infn.it>

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