

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

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## CONFERENCES

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### **Bangalore school on statistical physics -XI 29 June 2020 to 10 July 2020, ICTS, Bangalore, India**

This is a pedagogical school, intended for Ph.D. students, post-doctoral fellows and other researchers. The following courses will be offered -

1. Nonequilibrium response theory (Urna Basu) ; 2. Statistical physics of Turbulence (Jeremie Bec); 3. Topology in statistical physics by (Subhro Bhattacharjee); 4. Physics of flocking by (Irene Giardina); 5. Phase transitions in Turbulence by (Nigel Goldenfeld); 6. Statistical physics of rare events and large deviations (Yariv Kafri). Details: <https://www.icts.res.in/program/bssp2020>

From: Abhishek Dhar <[abhishek.dhar@icts.res.in](mailto:abhishek.dhar@icts.res.in)>

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### **RAQIS'20 (Recent Advances in Quantum Integrable Systems 2020). LAPTh, Annecy from August 31st - September 4th, 2020.**

This international meeting aims at bringing in contact people working on various aspects of the Theory of Quantum Integrable Systems. Applications of Integrable Systems, such as string/gauge theories, condensed matter physics or statistical physics are also emphasized. In particular, the two last days of RAQIS'20 correspond to Statistical Physics session, devoted to out-of-equilibrium problems. Registration is opened. <http://lapth.cnrs.fr/conferences/RAQIS/RAQIS20/>

From: Eric Ragoucy <[ragoucy@lapth.cnrs.fr](mailto:ragoucy@lapth.cnrs.fr)>

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### **Combined 2020 Network Modeling Summer School and Hackathon and Multicell Virtual-Tissue Modeling Summer School and Hackathon, Indiana University, Bloomington, Indiana, USA , July 26th, 2020 to Sun. Aug 9**

Learn to model your biological system of interest with one-on-one help. Physicists, biologists, computer scientists, and modelers team up to build research-grade models of biological systems. All experience levels welcome. Network models will use the open-source Tellurium modeling environment and Virtual Tissue models will use the open-source CompuCell3D modeling environment.

For more information, [compucell3d.iu@gmail.com](mailto:compucell3d.iu@gmail.com) or visit [www.compucell3d.org](http://www.compucell3d.org).

From: James A Glazier <[jaglazier@gmail.com](mailto:jaglazier@gmail.com)>

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### **The Beg Rohu Summer School 2020 "Statistical Mechanics and Emergent Phenomena in Biology", France**

N. Brunel: Models of Memory in Networks of Neurons

A. Cavagna: Collective Behaviour in Biological Systems

S. Ganguli: Complex Neural Dynamics and High-Dimensional Data Analysis

M. Loreau: Theoretical Ecology

F. van Wijland: Methods for Non-Equilibrium Statistical Mechanics

More detailed information can be found on the school webpage: <http://ipht.cea.fr/begrohu>  
The deadline for application is the 31st of March.

From: The Beg Rohu Summer School <[begrohu@ipht.fr](mailto:begrohu@ipht.fr)>

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**POST-DOC POSITIONS**  
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**Post-Doctoral Fellowship in Soft Condensed Matter Theory at Institut Laue Langevin (Grenoble)**

Within the theory group of ILL, the postdoctoral researcher will carry out a research program focused on soft condensed matter theory and modeling. Of particular interest are projects in the field of polymer, biopolymers or protein modeling, but proposals in all fields of soft matter will be considered. The successful candidate is expected to propose a research in broad relation to the experimental activities at the institute. Applications and practical details: see [www.ill.eu/careers](http://www.ill.eu/careers) (vacancy reference: 20/07, no later than 15.03.2020).

From: Jean-Louis Barrat <[barrat@ill.fr](mailto:barrat@ill.fr)>

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**Postdoc opening at CCSE @ LBNL in Modeling of Stochastic Systems**

Berkeley Lab's Center for Computational Sciences and Engineering (CCSE) has an immediate opening for a postdoctoral researcher to join a team developing novel techniques for numerical simulation of stochastic systems that describe complex fluids at the mesoscale. These systems are described in terms of stochastic partial differential equations, particle models or hybrid systems that dynamically couple both types of descriptions. Applications potentially include active matter, self-assembly, electrolytes, and membranes in either engineered or biological systems. This position is available immediately and shall remain open until filled. To apply, please visit <https://lbl.taleo.net/careersection/2/jobdetail.ftl?lang=en&job=89376>

From: Ann Almgren <[asalmgren@lbl.gov](mailto:asalmgren@lbl.gov)>

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**Two-year post-doc position at the University of Queensland, School of Mathematics and Physics, Australia**

A postdoc position is available to undertake research aligned with the Australian Research Council Discovery Project "From superintegrability to quasi-exact solvability: theory and application" awarded to Y-Z Zhang (Chief Investigator) and W-L Yang (international Partner Investigator). This will involve development of novel mathematical techniques for resolving key problems in superintegrable systems, spin chains, and spin-boson models. Applications of the theoretical frameworks will be made to a variety of areas, including development of proposals for quantum correlations and computations. This is a fixed term post for 24 months. Deadline for application: 16/03/2020. For more information please see <http://search.jobs.uq.edu.au/caw/en/job/509495/postdoctoral-research-fellow> or <https://www.seek.com.au/job/40874945?type=standout#searchRequestToken=d2034e3d-1aa9-47e3-9c4f-be3e4d90d0fc>

From: Yao-zhong Zhang <[yzz@maths.uq.edu.au](mailto:yzz@maths.uq.edu.au)>

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**Postdoc position at IFISC (Mallorca, Spain)**

A Junior postdoc position is available at IFISC (Mallorca) to work on mathematical and computational modeling of elements of coastal ecosystems within the project SuMaEco. Gross salary (2020): 29k€.

<https://ifisc.uib-csic.es/en/about-ifisc/join-us/postdoc-position-associated-sumaeco-project/>

Starting date: as soon as possible, and before April 2020 if possible.

From: Manuel Matias <[manuel.matias@ifisc.uib-csic.es](mailto:manuel.matias@ifisc.uib-csic.es)>

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**MISCELLANEOUS**

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**Call for Nominations: 2020 Young Scientist Prize in Computational Physics (C20) of IUPAP**

Nominees should have a maximum of 8 years of research experience following their PhD and should be the principal performer of original work of outstanding scientific quality in Computational Physics. The prize consists of 1000 euros, a medal, and a certificate. The awards will be presented at the Commission's next Conference on Computational Physics (CCP2020) to be held in Coventry University, Coventry, England 2nd– 6th August 2020. The winner will also be invited to present a paper at this meeting. Procedures for making a nomination are at <http://phycomp.technion.ac.il/~C20/prizes.html>. Unsuccessful nominations remain active for an additional two years.

From: Lev Shchur <[levshchur@gmail.com](mailto:levshchur@gmail.com)>

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