

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

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**CONFERENCES**

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**KITP conference Active Matter at the Frontier  
6-9 Apr 2020, UC Santa Barbara, USA**

Conference with invited talks highlighting the very latest developments in this extraordinarily vibrant field. See <https://www.kitp.ucsb.edu/activities/active-c20> for conference details including invited speaker list, registration and poster abstract upload. Registration deadline: Sun 1 March 2020.

Organizers: M. Bowick, M. Cates, N. Fakhri, S. Ramaswamy

From: Sriram Rajagopal Ramaswamy <[sriram@iisc.ac.in](mailto:sriram@iisc.ac.in)>

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**NETSCI2020: Flagship conference of the Network Science Society  
6th-10th July, 2020 - Rome, Italy.**

Call for Abstracts now open for contributions on new insights and research in network science from all fields and backgrounds. We accept contributions for regular talks in parallel sessions, shorter talks in the plenary lightning session, and posters. The submission deadline is 6th March, 2020.

See: <http://netsci2020.netscisociety.net/calls-abstracts/>

Giulio Cimini <[giulio.cimini@roma2.infn.it](mailto:giulio.cimini@roma2.infn.it)>

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**Advanced School in Soft Condensed Matter 'Solutions in the Spring',  
6-9 April 2020 in Sheffield, UK**

The aim of this School is to provide a comprehensive foundation for researchers in the field of soft matter, liquids and complex fluids. The School is directed towards postgraduate students from a wide range of backgrounds including physics, chemistry, chemical engineering and biophysics. Students, postdocs and young researchers interested to participate in the event are invited to apply before 29 March 2020 on the website <http://asm2020.iopconfs.org>

From: Sergey Lishchuk <[acessl5@hallam.shu.ac.uk](mailto:acessl5@hallam.shu.ac.uk)>

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**Statistical methods parallel session at the 14th edition of the “Quark Confinement and the Hadron Spectrum”  
July 27th to August 1st at the University of Stavanger, Norway.**

Topics of interest to the session include: Statistical Methods, Machine Learning, Global fits, Unfolding, Tensor Networks, Quantum algorithms (for lattice gauge theories), Quantum simulations (of lattice gauge theories).

Abstract submission: <https://indico.uis.no/event/2/abstracts/> before May 17th.

Organizers: T Dorigo, S. Gleyzer, P. Shanahan, L. Tagliacozzo

From: Luca Tagliacozzo <[luca.tagliacozzo@gmail.com](mailto:luca.tagliacozzo@gmail.com)>

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**POST-DOC POSITIONS**  
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**Postdoc positions in statistical biophysics of immunology, Paris, France**

Several post-doctoral positions are available to work on the statistical modeling of the adaptive immune system, in collaboration with T. Mora and A. Walczak in the physics department of the Ecole normale supérieure in Paris.

Further information can be found here:

<https://www.phys.ens.fr/~tmora/postdoc2020.html>

From: Aleksandra Walczak <awalczak@lpt.ens.fr>

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**Post-doc Position at University of Palermo, Department of Physics and Chemistry, Italy**

Title of the research: Hydrodynamic and biogeochemical stochastic models in 3D spatial domain. Aim of the research: development of a model, based on stochastic partial differential equations, to study the spatio-temporal dynamics of hydrodynamic and biogeochemical variables within the Mediterranean Sea basin. Numerical methods will be used to solve the model equations.

<https://www.unipa.it/albo.html> (see "Pubblicazione n. 113 del 22/01/2020")

Deadline for application: 21/02/2020

Davide Valenti <davide.valenti@unipa.it>

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**Two-year post-doc position on inertial wave turbulence in rotating fluids at Laboratoire FAST at Université Paris-Saclay, France**

Please find more information here:

[http://www.fast.u-psud.fr/~ppcortet/documents/Post-Doc\\_Simons\\_FAST.pdf](http://www.fast.u-psud.fr/~ppcortet/documents/Post-Doc_Simons_FAST.pdf)

From: Pierre-Philippe Cortet <ppcortet@fast.u-psud.fr>

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**Postdoc position at the University of Warwick, UK**

Position available as part of an international project supported by the Simons Foundation on revisiting the turbulence problem using statistical mechanics.

The aim of the research is to understand fundamental and challenging aspects of turbulence in wall-bounded shear flows through a combination of numerical simulation, analysis and modelling. This is a fixed term post initially

for 24 months, with possibility of extension to 36 months, with a start date of ASAP. See:

[https://atsv7.wcn.co.uk/search\\_engine/jobs.cgi?owner=5062452&ownertype=fair&jcode=1860058&vt\\_template=1457&adminview=1](https://atsv7.wcn.co.uk/search_engine/jobs.cgi?owner=5062452&ownertype=fair&jcode=1860058&vt_template=1457&adminview=1)

From: "Barkley, Dwight" <D.Barkley@warwick.ac.uk>

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**2 PostDoc Positions, Mathematics of Planet Earth, University of Reading, UK**

The positions are funded through the H2020 Project Tipping Points in the Earth System (<https://tipes.sites.ku.dk>) Deadline: March 3rd 2020.

1- Mathematics of Critical Transitions in the Earth System

<https://jobs.reading.ac.uk//displayjob.aspx?jobid=6330>

<https://www.jobs.ac.uk/job/BYH242/pdra-1-in-mathematics-of-planet-earth-project-tipes>

2- Modelling of Critical Transitions in the Earth System

<https://jobs.reading.ac.uk//displayjob.aspx?jobid=6331>

<https://www.jobs.ac.uk/job/BYH233/pdra-2-in-mathematics-of-planet-earth-project-tipes>

From: Valerio Lucarini -<[v.lucarini@reading.ac.uk](mailto:v.lucarini@reading.ac.uk)>

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**Post-doctoral research position at the University of Lyon, France, "Water and aqueous salt solutions under extreme conditions: viscosity and vibrational spectroscopy"**

Frédéric Caupin (ILM) and Isabelle Daniel (LGL-TPE) are opening a post-doctoral research position in the frame of project H2D2OX, funded by the French ANR and German DFG for the period 2020-2023. Brief description of the research: implementing a novel method for measuring viscosity of water and aqueous solutions under high pressure (e.g. in a diamond anvil cell), and performing complementary Raman spectroscopy. Start date: fall 2020; Initial appointment is 15 months, renewable once. Review of applications will begin on 16 March 2020 and will continue until the position is filled. Net salary: starting from 2000 €/month depending on experience. Full description [https://ilm.univ-lyon1.fr/images/ILM/emplois/offres/H2D2OX\\_post-doc\\_final.pdf](https://ilm.univ-lyon1.fr/images/ILM/emplois/offres/H2D2OX_post-doc_final.pdf)

From: Frédéric Caupin <[frederic.caupin@univ-lyon1.fr](mailto:frederic.caupin@univ-lyon1.fr)>

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**Updating your email address**

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Rules and archives see <https://listes.ens-lyon.fr/sympa/subscribe/info.statphys>  
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Thierry Dauxois

Directeur du Laboratoire de Physique

CNRS @ ENS de Lyon

<http://perso.ens-lyon.fr/thierry.dauxois/>