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

## CONFERENCES

**Workshop De Broglie 2019: Theory of the Double Solution and Quantum Trajectories, Paris (IHP) 4 November 2019**

This is a one-day workshop devoted to current investigations related to two topics that have been initiated by Louis de Broglie: pilot-wave and quantum trajectories on the one hand, the theory of the double solution on the other, the latter including this year talks on classical hydrodynamic analogs such as solitons and walking droplets. The morning session will deal with ongoing work on double solution related ideas in quantum theory and quantum trajectories. The afternoon session will deal with classical analogs of wave-particle duality, such as walking droplets. This session will be dedicated to the memory of Yves Couder. Attendance is free but places are limited. Registration is mandatory See: https://debroglie2019.sciencesconf.org/

From: "A. Matzkin" <alexandre.matzkin@u-cergy.fr>
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## ACADEMIC JOBS
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**Tenured Associate Professor position in Physics of Intelligence, University of Tokyo**

The Institute for Physics of Intelligence, School of Science of the University of Tokyo, invites applicants for one tenured associate professor who explores a new research frontier through integration of physics and artificial intelligence. A successful candidate forms an independent research group and is responsible for undergraduate and graduate education at the department of physics. The candidate should also make efforts for the development of the Institute: http://www.phys.s.u-tokyo.ac.jp/en/lp/ipi/. http://www.phys.s.u-tokyo.ac.jp/en/job_info/1566/

From: Synge Todo <wistaria@phys.s.u-tokyo.ac.jp>
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## POST-DOC POSITIONS
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**Postdoc position on wave turbulence at Institut Inphyni in Nice, France**

A 2-year postdoctoral position is now available at Inphyni in the frameworks of the Simons Foundation international collaboration project "Wave Turbulence". The project aims at developing solid theoretical foundations for wave turbulence systems and modelling experiments in wave turbulence performed in laboratory by partners of this collaboration. For details see: https://www.oca.eu/images/LAGRANGE/pages_perso/krstulovic/PostdocSIMONS2019.pdf

From: Giorgio Krstulovic <krstulovic@oca.eu>
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**Postdoc position on the quantification of innovation and collaborative dynamics in Science and Technology, Paris, France**

We currently offer a postdoc or research engineer position at the CRI Paris in the areas of Network Science, Data Science, Science of Science, Computational Social Science and Social Network Analysis. The successful applicant will join the team of M. Santolini at the CRI to work on interdisciplinary projects related to the quantification of innovation and collaborative dynamics in Science and Technology using large scale datasets and physics-inspired approaches. Relevant projects can be found on this job post. Relevant background include physics, computer science, network science, computational social sciences, or data science. Duration: 1+1 years

From: Marc Santolini <marc.santolini@gmail.com>
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**Postdoctoral opportunities in the Physics of Biological Systems**

The Center for the Physics of Biological Function, https://biophysics.princeton.edu, is a joint effort between Princeton University and The Graduate Center of the City University of New York. We are 14 faculty working across the full range of biological organization, from single molecules to groups of organisms, united by our search for common physical principles underlying the beautiful phenomena of life. We are recruiting both theorists and experimentalists. Details:
https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=12904.

From: William Bialek <wbialek@princeton.edu>
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**Postdoc position "Schrödinger problem and Optimal Transport"**
**Group of Mathematical Physics of the University of Lisbon GFMUL, Portugal**

The position is funded for 24 months, starting December 2019 or January 2020.
The gross monthly salary is 1,509.80 Euros and there are no teaching duties.
The present call will be open from 16/09/2019 to 30/11/2019.
- Generalization of the Schrödinger Problem and its initial probabilistic solution to the analogous case of mixed quantum states, i.e much more general evolution scenarios between arbitrary probabilistic data - Numerical analysis and simulation of those dynamics. Construction of a notion of Stochastic Integrability.
- Fluid Dynamics, where the Navier-Stokes equation is interpreted as a stochastic deformation of the Euler equation.- Investigation of connections with the Benamou-Brenier approach, with particular emphasis on symmetries of the former equations.
Candidates are welcome to contact the project head Jean-Claude Zambrini (jczambrini@fc.ul.pt),
see https://sites.google.com/view/schromoka/positions

From: Leonard Monsaingeon <leonard.monsaingeon@univ-lorraine.fr>
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**Several post-doc 3-year positions at CNRS in computational social science at Centre Marc Bloch in Berlin (CNRS /HU)**

The CNRS CMB Computational Social Science Team based in Berlin recruits several post-doctoral researchers (up to 3 years) in 2019-20 to work principally under ERC Consolidator grant "Socsemics" on internet echo chambers and polarization, in an interdisciplinary context related to computational social

science and complex system modeling, including hybrid network models
and internet social phenomena. Deadline set at Sept 30th, 2019.
Detailed job offers: http://cmb.huma-num.fr/job-offers

From: Camille Roth <roth@ehess.fr>
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**Postdoctoral position (2 years) will be available starting Jan 2020 in the field of classical molecular dynamics simulations of proteins.**

The project is the collaboration between the theoretical group of Prof Matyushov
at Arizona State University and the experimental group of Prof Fumagalli at
University of Manchester. We want to study the dielectric response of water at the
protein-water interface. The successful candidate will spend the first year in Arizona
doing MD simulations of water at the surface of proteins and spend the second
year at Manchester collaborating with the experimental team on interpreting
experimental results with simulations.

From: Dmitry Matyushov <dmatyus@asu.edu>
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**2 postdoc positions, in the areas of statistical physics, Bayesian inference and machine learning, Aston University, UK**

First position will be on developing theoretical and numerical methods from
statistical physics and Bayesian inference to optimise routing, containment
strategies and operational parameters in optical networks.
https://jobs.aston.ac.uk/Vacancy.aspx?ref=R190398
Second position focuses on employing theoretical and numerical methods
from statistical physics, Bayesian statistics and game theory to study the
impact of selfish and localised decisions on congestion and routing optimisation.
https://jobs.aston.ac.uk/Vacancy.aspx?ref=R190399

From: David Saad <D.Saad@aston.ac.uk>
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MISCELLANEOUS
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**Special Issue "Sustainability and Econophysics"**
https://www.mdpi.com/journal/sustainability/special_issues/Sustainability_Econophysics
Deadline for manuscript submissions: 15 November 2019.

**Special Issue "Disordered Systems, Fractals and Chaos"**
https://www.mdpi.com/journal/entropy/special_issues/Fractals_Chaos
Deadline for manuscript submissions: 31 January 2020.

From: Marcel Ausloos <marcel.ausloos@uliege.be>
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Updating your email address

If you want to update your address to receive messages for this mailing list,
please visit  https://listes.ens-lyon.fr/sympa/signoff/info.statphys to unsubscribe
from the old address and to subscribe to the new one visit

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