

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

CONFERENCES

P.-G. de Gennes's scientific legacy: a source of inspiration for the future, Paris, November 23 and 24, 2021

This November, we will celebrate the 30th anniversary of Pierre-Gilles de Gennes' Nobel Prize in Physics. On this occasion, we organize a 2-day international conference to celebrate de Gennes' scientific legacy. The idea is to show the relevance of this legacy for today's research, and how it constitutes a source of inspiration for the future.

Registration is now open: <https://degennelegacy.sciencesconf.org/>

From: Elie Raphael <elie.raphael@espci.fr>

Online Workshop "New Trends in Quantum Condensed Matter Theory 2021" 26-30 July 2021, hosted by ISSP, University of Tokyo

Talks on diverse topics at the forefront of quantum condensed matter physics will be given by promising young theorists. Anyone interested is welcome to attend, and the Zoom link will be provided upon registration. <https://oka.issp.u-tokyo.ac.jp/ntqcm2021/>

Organizers: Takashi Oka and Masaki Oshikawa (ISSP), Gang Chen (HKU), Roderich Moessner (MPIPKS), Ashvin Vishwanath (Harvard)
9pm - midnight (Japan) / 2pm-5pm (Central Europe) / 8am-11am (US East Coast)

From: Masaki Oshikawa <masaki.oshikawa@gmail.com>

POST-DOC POSITIONS

Postdoctoral researchers in mathematical physics at the University of Helsinki, Finland

The Mathematical Physics group at the Department of Mathematics and Statistics of the University of Helsinki invites applications for Postdoctoral Researchers for full-time three-year positions. The work will be conducted together either with Prof. Antti Kupiainen or Prof. Jani Lukkarinen. Topics involve mathematical statistical mechanics and quantum field theory. The deadline for submitting applications is September 30, 2021, with flexible starting dates up to January 2022. Detailed announcement and instructions:

<https://www2.helsinki.fi/en/open-positions/postdoctoral-researchers-in-mathematical-physics>

From: Jani Lukkarinen <jani.lukkarinen@helsinki.fi>

Postdoc on Multiscale Evolution in Biological Networks, at the Complex Systems Research Lab of Prof. C. Huepe at Northwestern University, USA

We are searching for a postdoctoral researcher to work on a project on the emergence of modularity at multiple scales in living systems. This 3-year, fully funded position will develop fundamental theoretical research using evolutionary models of Boolean and adaptive networks, existing datasets, and artificial life simulations to explore the origins and consequences of multiscale modular structures and dynamics in evolving biological networks. Selection will begin July 31 and continue until the position is filled. The expected starting date is between September and December 2021. Further details and application instructions: <https://tinyurl.com/749wtfzf>

From: Cristian Huepe <cristian@northwestern.edu>

Postdoc on Multiscale Dynamics in Active Systems, at the Complex Systems Research Lab of Prof. C. Huepe at Northwestern University, USA

We are searching for a postdoctoral researcher to work on a project on the role of multiscale dynamics in the self-organization of active system. This 3-year, fully funded position will develop fundamental theoretical research using analytical calculations, agent-based simulations, and datasets to explore the relationship between the focusing of energy and information into collective modes and the emergence of coherent active states. Selection will begin July 31 and continue until the position is filled. The expected starting date is between September and December 2021. Further details and application instructions: <https://tinyurl.com/y6h963d4>

From: Cristian Huepe <cristian@northwestern.edu>

MISCELLANEOUS

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