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

Powders & Grains 2021, Buenos Aires, Argentina, 5-9 July 2021

https://www.powdersandgrains.org Paper Submission is open !
P&G is to share the state of the art in the physics and micromechanics of
granular media. P&G distinguishes itself from other meetings on granular
materials by: (a) the mixture of disciplines, (b) single session talks, and (c)
refereed conference papers published online before the meeting. Past meetings:
Clermont-Ferrand (1989), Birmingham (1993), Durham (1997), Sendai (2001),
Stuttgart (2005), Golden (2009), Sydney (2013) and Montpellier (2017).

From: Luis Pugnaloni <luis.pugnaloni@gmail.com>

**Faculty Positions in Experimental and Theoretical Physics,
Hong Kong University of Science and Technology**

The Department of Physics invites applications for tenure-track faculty positions at
the Assistant Professor level. Ranks at Associate Professor or above will also be
considered for candidates with exceptional record of research excellence and
academic leadership. Applicants must possess a PhD degree in physics or related
fields and have evidence of strong research productivity. We seek experimental
candidates in quantum matter and quantum information, including quantum and
low-dimensional materials, materials with strong electronic correlations, cold atoms,
quantum optics, and quantum enabled technologies. We also seek theoretical
candidates in condensed matter theory, statistical physics, neural networks or data analytics.
More at
https://hrmsxprod.psft.ust.hk:8044/psp/hrmsxprod/EMPLOYEE/HRMS/c/HRS_HRAM.HRS
_CE.GBL?Page=HRS_CE_JOB_DTL&Action=A&JobOpeningId=2509&SiteId=1000&Posti
ngSeq=1

From: Michael K Y Wong <phkywong@ust.hk>

**Postdoctoral position in random spatial networks and algorithms,
Mathematical Institute, Utrecht University, the Netherlands**

The position will focus on studying random graphs that are simultaneously defined
by topological and metric constraints, as well as on new algorithms for construction
of such graphs with an aim to inspire improvements in numerical methods for large
scale molecular simulations. You will also contribute to the activities at the
Mathematical Institute and, if desired, to supervision of doctoral students.
The position is for one year, with a desired start in October 2020
https://www.uu.nl/en/organisation/working-at-utrecht-university/jobs/postdoc-position-in-
random-spatial-networks-and-algorithms

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2 Post-doc positions in computer simulation of polymer materials and soft matter, Institute for Theoretical Physics at the Georg-August University of Goettingen, Germany

The projects aim at studying the kinetics of self-assembly of copolymer materials and at investigating the rheology of dense polymer melts and composites via computer simulations of highly coarse-grained models. Candidates are expected to hold a PhD degree in Physics, Chemistry, or Engineering, have experience with molecular simulations of coarse-grained polymer models or self-consistent field theory, and have very good communication skills in English. Experience in high-performance computing (using e.g., HOOMD) is desirable. https://www.uni-goettingen.de/de/305402.html?cid=15104.
Deadline for application will be September 15, 2020. Later applications may be considered as long as the position remains unfilled.

From: Marcus Müller <mmueller@theorie.physik.uni-goettingen.de>

Postdoctoral fellowship starting fall 2020, at the Quantitative Life Sciences section of the Abdus Salam International Center for Theoretical Physics (ICTP), Italy

Candidates should have a background in statistical mechanics and/or applied mathematics, and be able to carry out active, independent and multidisciplinary research in at least one of the following areas: Information processing in biological systems; High-dimensional model-free inference; Individual and collective behaviour in animals and machines. Deadline for applications: 15 August, 2020
See https://www.ictp.it/about-ictp/media-centre/news/2020/7/qls-postdocs-fall-2020.aspx
Applications should be submitted online through: https://e-applications.ictp.it/applicant/login/QP20_2

From: Erica Sarnataro <qls@ictp.it>

MISCELLANEOUS

Journal of Physics A: Mathematical and Theoretical Special issue on Predictive Epidemic Modelling

We welcome submissions to a special issue on Fundamental Approaches towards Predictive Epidemic Modelling, edited by J. Krug, L. Tang and L. Zdeborová. This collection will address fundamental questions in disease transmission. Contributions may address COVID-19 but should make substantial mathematical or conceptual advances of lasting importance. Topics of interest include the effects of spatial structure, of population heterogeneity, of highly dispersed transmission networks, delay-time effects and the effect of the social distance metric. Submissions may aim to integrate intervention strategies and socio-economic dynamics into the modelling framework or address incorporating large-scale empirical data into predictive modelling using deep learning and related methods.
This extended issue will be open until June 2022. For queries, contact

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From: Rebecca Gillan <rebecca.gillan@ioppublishing.org>

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