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

**"Opinion and Language Dynamics" Satellite of Networks2021 (the joint conference of NetSci and INSNA societies) will take place online, on July 2nd from 8:30 EST to 12:30 EST**

We will discuss models based on tools issued from different disciplines, like Statistical Physics, Dynamical Systems, Network Theory, Machine Learning, that help to understand how opinions diffuse in society and how language forms and evolves. Keynote speakers : F. Menczer (Indiana University), U. Hanh, Birkbeck University of London.  We invite oral contributions (send 1 page pdf file to the address below before May 24th). More information https://opladyn.github.io/, Contact: opladyn@gmail.com, Laura.Hernandez@cyu.fr

From: Laura Hernandez <laura.hernandez@cyu.fr>

**2  Research Fellows in Cultural Data Analytics particularly in Audiovisual Machine Learning, and Cultural Dynamics, Tallinn University, Estonia**

This is part on ambitious research at the CUDAN ERA Chair (2.5 years). Requirements: PhD in a computational or quantitative area, such as computer science, information science, network science, mathematics or physics, while demonstrating understanding or meaningful interest in socio-cultural phenomena. Alternatively, a PhD in a cultural research area, such as art history, computational linguistics, digital humanities, with a strong track record in computation or quantification. Application deadline: 31.05.2021. For more details, see https://cudan.tlu.ee/positions/

From: Andres Karjus <akarjus@tlu.ee>
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**Postdoc position at ILM, Lyon, France**

A postdoctoral position (12+12 months) is open in September at the Institute Light and Matter (ILM), Université Lyon 1. The project concerns atomistic modeling of near field thermal transport across nanoscale gaps between solids (transition thermal conduction-radiation at small scales). A more detailed description of the project may be obtained on request (see also www.smerabia.net). Ideal candidate has a PhD in physics/physical chemistry/material science, strong experience in atomistic calculations (molecular dynamics and/or ab-initio calculations), nanoscience, programming, enthusiasm and scientific curiosity. Please send application (CV+motivation letter) before June 7th.

From: Samy Merabia <samy.merabia@univ-lyon1.fr>
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**Research Associate position (3 years) on Neuronal networks from
Cortical human iPSCs for Machine Learning Processing - NEU-ChiP,
at the College of Engineering & Physical Sciences, Aston University, UK.**

In the general areas of statistical physics, machine learning and Bayesian
inference, and their application to information emergence and learning
dynamics in structured neuronal clusters. This position will support the
project by enhancing our theoretical understanding of the emerging
information content within the neuronal cluster, through analysis and
modelling, and in devising training methodologies for given data. While
the main thrust of the work will be carried out within the Mathematics
group and with Professor Saad, the position is part of the international
EU-funded programme grant NEU-ChiP; hence, a significant level of
collaboration within Aston and with external partners across Europe is
expected. Further details on the position and the collaborative
NEU-ChiP project can be found on https://jobs.aston.ac.uk/Vacancy.aspx?ref=R210127
Closing date for applications: 1 June 2021.

From: David Saad <d.saad@aston.ac.uk>
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**New Journal in Nonlinear Mathematical Physics**

A new Journal is being created; this is a completely free (both for reading
and for publishing) Journal, under the name of "Open Communications in
Nonlinear Mathematical Phsyics" (https://ocnmp.episciences.org/) and is
hosted by the "epi-sciences" platform. The editorial board of OCNMP
includes all the 2020 editors of the "Journal of Nonlinear Mathematical
Physics" (https://ocnmp.episciences.org/page/the-origins-of-ocnmp ).
We hope the community will support this initiative by submitting high
quality papers; see the Journal's homepage for the submission procedure.

From: Giuseppe Gaeta <Giuseppe.Gaeta@unimi.it>
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**Journal of Physics A: Mathematical and Theoretical special issue
on 'Stochastic Resetting: Theory and Applications'**

On behalf of the Guest Editors, Anupam Kundu and Shlomi Reuveni this
is a call for submissions to a special issue of J. Phys. A that is intended to
report new and original advancements made on stochastic resetting and
applications. The issue will be open to submissions until 31 October 2021.
You can read more here https://iopscience.iop.org/journal/1751-8121/page/stochastic-
resetting-theory-and-applications-in-celebration-of-the-10th-anniversary-of-diffusion-with-
stochastic-resetting
Please contact rebecca.gillan@ioppublishing.org if you are interested in submitting.

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