

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

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## CONFERENCES

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### **EC 2020: Econophysics Colloquium 2020, Thessaloniki, Greece, 18-20 May**

Econophysics Colloquium is an annual meeting on Econophysics that brings together physicists, economists and practitioners to discuss statistical methods, quantitative measures, modeling approaches, numerical simulations and non-conventional data mining methods applied to financial and socioeconomic systems. Previous meetings include: Singapore (2019), Palermo (2018), Warsaw (2017), Sao Paolo (2016), Prague (2015), Kobe (2014), Korea (2013), Zurich (2012), Vienna (2011), Taiwan (2010), Erice (2009), Kiel (2018), Ancona (2007), Tokyo (2006), Canberra (2005). <https://epc2020.ihu.gr/>

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### **Mathematical Methods and Models in Machine Learning, Bologna, Italy 27-28 April 2020**

The meeting takes place at the Department of Mathematics. Aim of the meeting Artificial Intelligence is profoundly and quickly changing the technological profile of our society and yet machine learning, its disruptive spearhead, although filled with brilliant heuristic solutions has almost no theoretical basis from a strictly scientific point of view. The gap between the increasing performance of deep learning and its understanding is therefore a very relevant scientific theme that calls for a strong participation in research efforts from the fields of Mathematics and Mathematical Physics. The identification of the correct mathematical models and their analysis is of fundamental importance toward the discovery of a theory that could allow to exploit at best the potential and understand the limits of this technology. The purpose of the conference is to present recent results on mathematical methods and models related to machine learning and link researchers coming from different areas. <https://eventi.unibo.it/m4l2020>

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### **Workshop at the Nordita program "Complexity in the Physics of Fracture"**

The research program will also include a workshop on the (statistical) physics of fracture, on the 7-8 May to be precise. There are some slots for contributions (talk, poster). Please see the program website <https://indico.fysik.su.se/event/6805/> and/or contact the organizers.

Deadline for applications: Mar 22nd, 2020.

From: Alava Mikko <[mikko.alava@aalto.fi](mailto:mikko.alava@aalto.fi)>

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## ACADEMIC JOBS

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### **Open permanent CEA research position, France**

a permanent CEA research position is opened at the Laboratoire Interdisciplinaire sur l'Organisation Nanométrique et Supramoléculaire (LIONS), UMR 3685 CEA-CNRS, NIMBE which belongs to University Paris Saclay, CEA Saclay center. The position is about innovative microfluidics for nanoscience with a strong focus on in situ diagnostics, in particular thanks to synchrotron and neutron beams.  
<http://iramis.cea.fr/Pisp/patrick.guenoun/position.html>

From: Guenoun Patrick <[patrick.guenoun@cea.fr](mailto:patrick.guenoun@cea.fr)>

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POST-DOC POSITIONS  
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**Postdoctoral position at the Institute for Complex Systems CNR, Rome (Italy)**

The ideal training is in statistical physics. The research will focus on theoretical and computational modeling in the field of granular and active matter and stochastic thermodynamics, within the research project "Coarse-grained description for non-equilibrium systems and transport phenomena (CO-NEST)". The position is for one year with automatic renewal for a second year following satisfactory progress, starting before August 2020. Interested candidates should send their CV to [andrea.puglisi@roma1.infn.it](mailto:andrea.puglisi@roma1.infn.it) by the end of March.

From: Andrea Puglisi <[Andrea.Puglisi@roma1.infn.it](mailto:Andrea.Puglisi@roma1.infn.it)>

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MISCELLANEOUS  
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