XVI Course "Nonextensive Statistical Mechanics, Superstatistics and Beyond: Theory and Applications in Astrophysical and other Complex Systems", July 2-8, 2019 Erice, Italy

This course belongs to the series International School on Complexity, directed by A. Zichichi, and co-directed by G. Benedek, M. Gell-Mann, A. Rapisarda and C. Tsallis. It will be held at the Ettore Majorana Foundation and Centre for Scientific Culture. Topics include, but are not limited to: Generalised Central Limit theorems; Generalised Large Deviation theory; Low-dimensional nonlinear conservative and dissipative dynamical systems near the edge of chaos; Long-range-interacting many-body classical Hamiltonian systems; Complex networks; Area-law-like quantum systems; Applications in astrophysics, space and other plasma physics, geophysics, high energy physics, cosmology, granular matter, cold atoms, econophysics, theoretical and structural chemistry, biophysics, social systems, power grids, image and time series processing, among others.
See: https://sites.google.com/view/supernext2019/

From: Andrea Rapisarda <andrea.rapisarda@ct.infn.it>

IoP School "Solutions in the Summer", Cambridge, 2-5/7/2019

The upcoming annual Advanced School of Soft Condensed Matter "Solutions in the Summer", is directed towards postgraduate students and postdoctoral researchers and will cover various fundamental topics of soft condensed matter, liquids, and soft nanotechnology, while discussing their implications in cutting-edge research. Lectures and practical workshop sessions will be delivered by J. Cabral , R. Dullens, S. Henkes , E. Lauga, T. Liedl. Guest seminars by M.Cates, D. Frenkel, M. Warner.
Full information http://asm2019.iopconfs.org/Home
Early bird registration will close on 31/05/2019.

From: Lorenzo Di Michele <ld389@cam.ac.uk>

**Workshop on Complex Networks in the Life Sciences, EBSA 2019
Satellite Meeting, Alcalá de Henares (Madrid, Spain) July 25th, 2019**

The workshop will cover the application of network science to nature at all scales, from genetic or metabolic networks to social networks, ecology or climate. The plan is to join together people who work in the frontier between biology or environmental sciences and complex networks and discuss in a friendly environment about the present and future of the discipline.
See: https://complexnetworksebsa2019.weebly.com

From: Saul Ares <saul.ares@csic.es>

**Physics Challenges for Machine Learning and Network Science
QMUL London 3-4 September 2019.**

Invited speakers: J. Biamonte, L. Carr, A.C.C. Coolen, S. Dorogovstev,
A. Green,K. Klemm,R. Lambiotte,R. Mantegna, M. Marsili,R. Melko,
V. Parigi, J. Piilo,E. Rivzi,D. Saad,R. Zecchina, P. Zhang.
Registration is free.
See: https://www.qmul.ac.uk/maths/news-and-events/events-/physics-challenges-for-machine-learning-and-network-science/

From: Ginestra Bianconi <ginestra.bianconi@gmail.com>

==POST-DOC POSITIONS==

Two-year postdoc position at the University of Padova, Italy

We are looking for candidates who have experience and work in one or more
of the following research fields: Statistical Physics modelling of Ecological
systems, Non Equilibrium Statistical Mechanics, Applied Stochastic Processes,
Biologically inspired Complex Systems.
Deadline to submit applications: 15 July 2019
See: https://www.liphlab.com/opportunities/postdoc/

From: Sandro Azaele <S.Azaele@leeds.ac.uk>

**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=R190184
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=R19016060

From: David Saad <D.Saad@aston.ac.uk>

Postdoc position in Quantitative Ecology at ICTP, Trieste, Italy

The Abdus Salam International Center for Theoretical Physics (ICTP) seeks
applications for a postdoctoral position starting fall 2019. Candidates should be
able to carry out active, independent and multidisciplinary research in quantitative
ecology including (but not limited to): stochastic population dynamics, theoretical
community ecology, ecological networks, macroecological patterns. Candidates
should have a background in statistical physics, applied mathematics, theoretical
ecology and/or related disciplines. Candidates with expertise in both data science
and modeling/theory are especially encouraged to apply.
See: https://www.ictp.it/media/1706684/postdoc_qeco-1.pdf

From: Quantitative Life Sciences <qls@ictp.it>

UFRN-Serrapilheira Visiting fellowships

We are offering up to 5 visiting fellowships to talented and passionate PhD and
Postdoc candidates to realize a scientific visit to the group of Prof. T. Macrì at
UFRN (http://statphys.fisica.ufrn.br/macri). The duration of the stay will vary from
1 to 3 months. For outstanding applicants the visiting period can be extended up
to 12 months. The candidate should have experience in AMO physics, statistical
physics or theoretical condensed matter theory. Fellowships are funded through
a prestigious Serrapilheira grant recently awarded to the group leader. The visiting
fellowship can integrate other existing grants like PhD or postdoc fellowships.
Applications will be open until all the positions are filled. Priority will be given to
applications received until June 7, 2019. All qualified candidates, particularly
women and minorities, are encouraged to apply. Interested candidates should
contact informally Prof. T. Macrì (macri@fisica.ufrn.br) attaching their CV.