Saturday, July 7: Science at the Market:  Molecular and Cellular Biology;  8:00 am to Noon at Lincoln Square Mall’s Market at the Square

For the 9th year, the U of I is bringing "Science at the Market" on most Saturday mornings to the Farmers Market at Lincoln Square mall in Urbana.

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Job Opportunity
the CNRS Institute of Human and Social Sciences (InSHS)

Within the framework of the French national call for applications just launched by the CNRS Institute of Human and Social Sciences (InSHS), for three post-doctoral positions, the Centre d’Analyse et de Mathématique Sociales (CAMS, CNRS-EHESS) wishes to support applications and host laureates for projects in line with its themes.

Eligible themes cover health, digital humanities & computational social sciences and artificial intelligence in SHS. The full call in French can be found on the InSHS website, http://www.cnrs.fr/inshs/recherche/aac-postdocsshs2018.htm

The closing date for applications is 22 July 2018.

The CAMS is a multidisciplinary research unit associated with the InSHS, working at the interface between social sciences and 'hard' sciences (mathematics, physics, computer science). The CAMS is particularly interested in projects concerning the analysis and modeling of large databases with advanced analysis tools (among which machine learning techniques), on topics related to social sciences.

For example, several projects currently being developed at CAMS provide access to substantial data:
- Health: project with hospitals on the management of severe polytrauma patients;
- Neuroscience and cognition: sensory processing and semantics, brain imaging data (fMRI and EEG);
- Urban dynamics: mobility, social dynamics (segregation), housing market...

Digital humanities projects could be developed in partnership with the Complex Systems Institute (Institut des systèmes complexes de Paris l’Île de France, ISC-PIF).

Candidates may have diverse backgrounds, in mathematics, theoretical/physical statistical physics, or computer science, with good programming practice and preferably experience in big data analysis and modeling - and a strong interest in interdisciplinarity in general and the social sciences in particular.

In addition, it will be proposed to contribute to the implementation of Data Challenges for the valorisation of social science data and the training of students, in partnership with two Master courses.

Contact: Jean-Pierre Nadal
jpnadal@ehess.fr

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Emergent Phenomena in Strongly Correlated Quantum Matter Workshop

From August 27 to 31 the International Institute of Physics of UFRN (Brazil) will host the workshop “Emergent Phenomena in Strongly Correlated Quantum Matter”, gathering researchers from different institutions around the world for a series of lectures on the newest developments in this field of research.

The workshop will focus on quantum magnetism in correlated systems and its interplays with low dimensionality, frustration, spin-orbit coupling, charge fluctuation, superconductivity; the emergence of exotic quantum orders in real materials (including FFLO state, Hidden orders, chiral orders, spin-liquids, charge orders...) and their experimental and theoretical characterization invoking universal concepts (chirality, space and time groups of symmetry, multipolarity, vortices, skyrmions, multiféroïcity, local versus non-local duality, scaling laws); transverse questions will also address the synthesis and characterization of materials/compounds and the effects of disorder.

Registration will be open until July 27, at the IIP website (www.iip.ufrn.br), where more information about the main topics, list of speakers and fees are available.

The IIP events department can provide assistance to the interested ones at +55 (84) 3342-2249 (ext. 2014/2015) or by e-mail at events@iip.ufrn.br.
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the International Workshop TOPO2018 "Topological Phases in Condensed Matter and Cold Atom Systems" which will take place at the "Institut d'Etudes Scientifiques de Cargese" (IESC) on the French Corsica island, from October 02, 2018 to October 12, 2018. Please see website for more details https://www.cecam.org/workshop-1596.html

Application should be done via the website

https://www.azur-colloque.fr/DR14/inscription/preinscription/108

before August, 31st 2018.
The registration fees (750 euros) include transportation from/to Ajaccio airport, accommodation, lunches and coffee breaks.
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Job Opportunity

NRC RESEARCH ASSOCIATESHIP PROGRAMS: RESEARCH AWARDS

The National Academies of Sciences, Engineering, and Medicine sponsors awards for postdoctoral and senior researchers.

These awards include generous stipends ranging from $45,000 - $80,000 per year for recent Ph.D. recipients, and higher for additional experience. Limited graduate level awards are also available. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals.

**Four annual review cycles:**
August: Opens June 1; Closes August 1
November: Opens September 1; Closes November 1
February: Opens December 1; Closes February 1
May: Opens March 1; Closes May 1

Applicants should contact prospective Research Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

For more information: 202-334-2760 rap@nas.edu or www.nas.edu/rap
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3rd International Conference:
Computer Simulations in Physics and beyond
24-27 September 2018

Moscow Institute of Electronics and Mathematics, Higher School of Economics, Tallinskaya ul 34, Moscow, Russia

Conference Website:  http://csp2018.ac.ru

Computer simulations are fast growing approach for doing research in sciences. It is auxiliary to experimental and analytical research. The main goal of the conference is in the development of methods and algorithms which take into account trends in the hardware development, and which may help to intensive research. Conference should play role of the venue were senior scientists ad students may have opportunity to speak each other and exchange ideas and views on the developments in the area of high-performance computing in most sciences.

It is 3rd Conference.
Information on the 1st and 2nd ones can be found at http://csp2015.ac.ru/, http://csp2017.ac.ru/

March 30 - August 29, 2018 - early registration (standard conference fee)
August 30 - September 27, 2018 - late registration (conference fee + 17%)
Science at the Market:

Illinois Natural History Survey - Insect Collection

Saturday, July 14, 8:00 Am – 12:00 Pm

Urbana Market at Square, Lincoln Square Urbana, IL

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