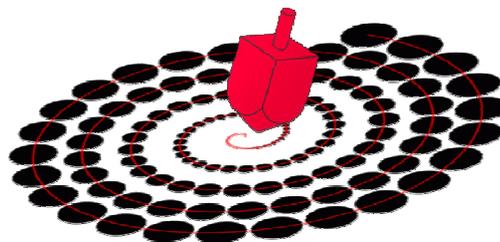




DEPARTAMENTO
DE COMPUTACION

Facultad de Ciencias Exactas y Naturales - UBA



Buenos Aires, December 3, 2012

Universidad de Buenos Aires to hold an outstanding semester

Random's Scientists in Buenos Aires

From January to June 2013, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires (FCEN-UBA), is holding an unprecedented gathering: The Buenos Aires Semester in Computability, Complexity and Randomness 2013.

During this Semester, leading international and Argentine researchers expert in computability, complexity and randomness are convening in Buenos Aires. There have been significant advances in our understanding of the interplay between these topics by several different groups in the past five years. So they decided to gather. The Semester participants will share and integrate these distinct but complementary points of view, collaborate and accelerate the cumulative rate of progress, and disseminate this knowledge in the academic community. To that end, for about six months the professors will be delivering intensive seminars, lectures and a course open to graduate and postgraduate students, on combinatorial problems addressed from logic and computational complexity.

The CCR Semester in Buenos Aires is organized by Universidad de Buenos Aires, Laboratorio Franco-Argentino INFINIS and representatives from various international universities. It is sponsored by several prestigious science agencies: The National Science Foundation (USA), The Packard Foundation, The John Templeton Foundation, The Simons Foundation, The Marsden Fund of the Royal Society (New Zealand) and CONICET (Argentina).

From start to finish, more than 30 scientists will participate in the Semester. Worldwide researchers will come from the USA, Canada, Venezuela, Colombia, England, France, Italy, Austria, Bulgaria, South Africa, Singapore and New Zealand. Some will be staying for six months, while others will stay for shorter periods.

Guest researchers are stationed at the Polo Científico Tecnológico (ex Giol), home of the new interdisciplinary research institutes of CONICET and the Ministerio de Ciencia, Tecnología e Innovación Productiva. This is also where the seminars will be held. The course, intended for the students, will be held at the Departamento de Computación, FCEN-UBA, located in Pabellón 1, Ciudad Universitaria.

The Semester is about scientific problems related to mathematics and computation. An important investigation is to explore the features and calibration of randomness, from the most concretely computational to the most abstractly mathematical. Investigations like this have already solved questions such as these: Why do computers freeze? Which problems can be solved by mathematical computation? Can a computer generate randomness? What distinguishes random from non random?

Even though ambitious events like this Semester do occur abroad, such as at the Newton Institute in Cambridge England or the Mathematical Sciences Research Institute in the US, usually scientific cooperation programs last only a few weeks. The CCR Semester marks the first time that a program with these characteristics is held at Universidad de Buenos Aires. It is important to highlight that the funding for these researchers is provided by their own universities and sponsor foundations, which indicates a strong global commitment to local science and research. The most active specialists in this field will be together in one place, in Buenos Aires, through a unique international collaborative effort.

Departamento de Computación - Pabellón I - Ciudad Universitaria (1428) Buenos Aires - Argentina

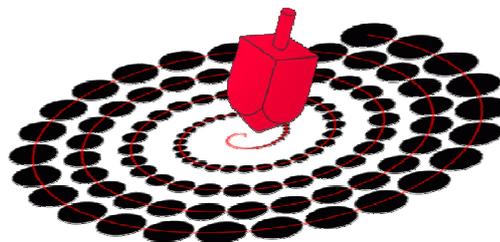
TE/FAX: (+54)(11) 4576-3359 TE: (+54)(11) 4576-3390/6 Int: 701/702 -

e-mail: compuba@dc.uba.ar <http://www.dc.uba.ar>



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For more information visit the Semester's website: <http://www-2.dc.uba.ar/ccr/>

International Organizers:

Noam Greenberg (Victoria University, Wellington, New Zealand)

Joseph S. Miller (University of Wisconsin, Madison, USA)

Antonio Montalbán (University of California, Berkeley, USA)

Theodore Slaman (University of California, Berkeley, USA)

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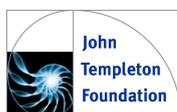
Ministerio de Ciencia, Tecnología e Innovación Productiva

CONICET

Universidad de Buenos Aires

Press Contact:

Ignacio Uman (iuman@dc.uba.ar) Cell Phone: +54-911-5000-9036



The Packard Foundation SIMONS FOUNDATION



Departamento de Computación - Pabellón I - Ciudad Universitaria (1428) Buenos Aires - Argentina

TE/FAX: (+54)(11) 4576-3359 TE: (+54)(11) 4576-3390/6 Int: 701/702 -

e-mail: compuba@dc.uba.ar <http://www.dc.uba.ar>