

# 1st Latin-American School and Conference on: 'Statistical Physics and Interdisciplinary Applications'

**School: 28 February - 9 March 2005**

**Conference: 10 - 12 March 2005**

## ***La Havana, Cuba***

The Abdus Salam International Centre for Theoretical Physics (ICTP) and The Physics Department of the University of La Havana are jointly organizing the first Latin-American School and Conference on "Statistical Physics and Interdisciplinary Applications" to be held in the periods: 28 February - 9 March 2005 and 10 - 12 March 2005 respectively.

The school will be focused on recent progresses of fundamental statistical physics of complex systems and some interdisciplinary applications. In this wide field it will provide a didactical introduction to the following topics:

- **Introduction to Statistical Mechanics of Complex Systems**
- **Computer Simulations of Complex Systems**
- **Statistical Dynamics**
- **Glassy Dynamics and Statics**
- **Optimization and Inference**
- **Biological Physics**
- **Econophysics**

The list of the lecturers includes:

- E. Altshuler**, University La Havana
- G. Biroli**, Commissariat à l'Énergie Atomique - Saclay, Gif-sur-Yvette
- A. Cavagna**, Università degli Studi di Roma 'La Sapienza'
- L. Cugliandolo**, Ecole Normale Supérieure, Paris
- E. Domany**, The Weizmann Institute of Science, Rehovot
- J.F. Fontanari**, Universidade de São Carlos
- S. Franz**, The Abdus Salam International Centre for Theoretical Physics, Trieste
- T.S. Grigera**, Universidad Nacional de La Plata
- J. Kurchan**, Ecole Supérieure de Physique et de Chimie Industrielles, Paris
- E. Marinari**, Università degli Studi di Roma 'La Sapienza'
- S. Mertens**, Otto-von-Guericke Universität, Magdeburg
- M. Marsili**, The Abdus Salam International Centre for Theoretical Physics, Trieste
- M. Mezard**, Université XI (Paris-Sud), Orsay
- L. Peliti**, Università di Napoli 'Federico II'
- F. Ricci-Tersenghi**, Università degli Studi di Roma 'La Sapienza'
- M. Vergassola**, Institut Pasteur, Paris
- R. Zecchina**, The Abdus Salam International Centre for Theoretical Physics, Trieste
- Yi-Chen Zhang\***, Université de Fribourg
- R.M. Zorzenon dos Santos**, Universidade Federal Fluminense, Niteroi

\*) to be confirmed

The Conference, which will follow the school, will focus on the most recent advances in the topics covered in the school and will include invited talks as well as a certain number of contributed talks and poster session.

## **PARTICIPATION**

The participation to the activities will be open to graduate students and post-doc from all countries which are members of the United Nations, UNESCO or IAEA. As they will be conducted in English, participants should have an adequate working knowledge of this language.

Although the main purpose of these activities is to help research workers from developing countries, through a programme of training within a framework of international cooperation, a limited number of students and post-doctoral scientists from developed countries are also welcome to attend.

As a rule, travel and subsistence expenses of the participants should be borne by their home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend both activities. Given the regional character of the initiatives, applications coming from Latin-American countries will be privileged. Applicants are requested to specify in their application if they are interested in attending the School, Conference or both. There is no registration fee.

The Application Form is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/smr.php?1687> (which will be constantly up-dated) or from the activity Secretariat (address below). It should be completed and returned hard copy (not via e-mail) before 30 November 2004 to:

School and Conference on Statistical Physics and Interdisciplinary Applications  
(smr.1687) c/o Ms. M. Poropat  
the Abdus Salam International Centre for Theoretical Physics  
Strada Costiera 11, 34014 Trieste, Italy.

Telephone: +39-040-2240540

Telefax: +39-040-224163

E-mail: [cm@ictp.trieste.it](mailto:cm@ictp.trieste.it)

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## **IN COLLABORATION WITH**

**La Havana University,  
Department of Physics**

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## **DEADLINE**

**for requesting participation**

**30 November 2004**

**Activity Home Page:**  
<http://agenda.ictp.trieste.it/smr.php?1687>

