



The Abdus Salam
International Centre
for Theoretical Physics
50th Anniversary 1964 - 2014



School on Non-linear Dynamics, Dynamical Transitions and Instabilities in Classical and Quantum Systems

14 July - 1 August 2014
(ICTP, Miramare, Trieste, Italy)

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy will organize a *School on Non-linear Dynamics, Dynamical Transitions and Instabilities in Classical and Quantum Systems*, to be held at ICTP, Trieste, Italy, from **14 July to 1 August 2014**.

The School aims at covering a selection of modern topics at the interface between Condensed Matter Physics and Statistical Mechanics, classical and quantum, with an emphasis on aspects of non-equilibrium physics:

- **Steady States, Patterns and Scaling in Driven Systems**
- **Growth Processes**
- **Classical and Quantum Turbulence**
- **Nonlinear Quantum Dynamics**
- **Quantum Gases out of Equilibrium**
- **Numerical Methods out of Equilibrium**
- **Entropy Generation and Transport far from Equilibrium**

INVITED SPEAKERS

F.C. ALCARAZ	(Sao Paulo, Brazil)	K. LE HUR	(Palaiseau, France)
E. ALTMAN	(Weizmann, Israel)	V. LECOMTE	(Paris, France)
I. ARONSON	(Argonne, USA)	S. MAJUMDAR	(Paris, France)
D. BERNARD	(Paris, France)	A. MIRLIN	(Karlsruhe, Germany)
A. BRAMATI	(Paris, France)	A. POLKOVNIKOV	(Boston, USA)
I. CARUSOTTO	(Trento, Italy)	T. PROSEN	(Ljubljana, Slovenia)
E. DEMLER*	(Harvard, USA)	T. SASAMOTO	(Chiba, Japan)
B. DOYON	(London, U.K.)	U. SEIFERT	(Stuttgart, Germany)
M. FAGOTTI	(Oxford, U.K.)	A. SOMOZA	(Murcia, Spain)
A. GAMBASSI	(SISSA, Italy)	K.A. TAKEUCHI	(Tokyo, Japan)
T. GASENZER	(Heidelberg, Germany)	H. VAN BEIJEREN	(Utrecht, Netherlands)

* to be confirmed

The goal of the School is to bring together experts from classical and quantum condensed matter, statistical as well as high energy and mathematical physics, so as to highlight given subjects from various angles and to generate a lively atmosphere of exchange of ideas.

The Organizers hope to attract the interest of young researchers, who will profit by interacting with the lecturers/speakers, and who will also be given the opportunity of presenting their own work. For those interested in presenting a poster, kindly attach a one-page abstract with the online application form.

PARTICIPATION

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the School. As it will be conducted in English, participants must have an adequate working knowledge of this language.

Although the main purpose of the Centre is to help researchers from developing countries through a programme of training activities 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 are borne by their home institutions. 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 the entire activity. There is no registration fee for attending the School.



HOW TO APPLY FOR PARTICIPATION

An Application Form can be accessed at the following activity website: <http://agenda.ictp.it/smr.php?2594>. Once in the website, comprehensive instructions will guide you step-by-step on how to fill out and submit the application form, **before 25 May 2014**.

Activity website : <http://agenda.ictp.it/smr.php?2594>

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Alessandro SILVA
(SISSA, Trieste, Italy)

LECTURES:

Jürgen BERGES
(Heidelberg, Germany)

Giulio BIROLI
(Saclay, France)

Ivan CORWIN
(MIT, U.S.A.)

Bernard DERRIDA
(ENS Paris, France)

Fabian ESSLER
(Oxford, U.K.)

Gregory FALKOVICH
(Weizmann, Israel)

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(Minneapolis, U.S.A.)

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Extended Deadline:
(only for those NOT
requesting financial support):

25 MAY 2014

(Trieste, updated May 2014)