



The Abdus Salam
International Centre for Theoretical Physics



United Nations
Educational, Scientific
and Cultural Organization

International Atomic
Energy Agency

SCHOOL & CONFERENCE on COMPLEX SYSTEMS and NONEXTENSIVE STATISTICAL MECHANICS

31 July - 8 August 2006

Miramare, Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, will organize a **School and Conference On Complex Systems and Nonextensive Statistical Mechanics**, to be held from 31 July to 8 August 2006.

The aim of the event is to focus on recent developments in the nonlinear dynamical foundations of nonequilibrium statistical mechanics, more specifically, nonextensive statistical mechanics, its applications to complex systems in physics, economics, geophysics, astrophysics, biology and elsewhere, as well as its connections with the theory of networks, glassy and other metastable systems.

This activity is divided into two parts, the first six days being a School in which mathematical and theoretical aspects of the general theory as well as important applications from diverse fields will be presented by the Lecturers. During the last two days, a Conference will be held to discuss recent developments and open questions in this field. Participants are encouraged to present their recent works as a poster or oral contribution. Please send the title and abstract of the proposed contribution to U. Tirnakli (tirnakli@sci.ege.edu.tr) no later than **1 March 2006**.

International Scientific Committee:

S. Abe (Japan), C. Beck (England), B.M. Boghosian (USA), J.P. Boon (Belgium), E.G.D. Cohen (USA), J.D. Farmer (USA), M. Gell-Mann (USA), H.J. Haubold (Austria), L.P. Kadanoff (USA), G. Kaniadakis (Italy), M. Lissia (Italy), G. Parisi (Italy), A. Plastino (Argentina), P. Quarati (Italy), A. Rapisarda (Italy), A. Robledo (Mexico), K.R. Sreenivasan (Italy).

PARTICIPATION

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the activity. As it will be conducted in English, participants should have an adequate working knowledge of this language. Although the main purpose of the Centre is to help research workers 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 should be borne by the 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 the entire activity. There is no registration fee.

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.it/smr.php?I763> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **31 March 2006** to:

School and Conference on Complex Systems and Nonextensive Statistical Mechanics
(smr I763 - c/o Ms. Nadia van Buuren)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy.

or

smrI763@ictp.it (please save and send file attachments in RTF format)

Telephone: +39-040-2240-111 Telefax: +39-040-2240-304 E-mail: smrI763@ictp.it
ICTP Home Page: <http://www.ictp.it/>

Trieste, November 2005

DIRECTORS:

Constantino TSALLIS
(CBPF, Brazil and SFI, USA)

Ugur TIRNAKLI
(Ege University, Turkey)

LOCAL ORGANIZER:

Matteo MARSILI
(ICTP, Italy)

Lecturers

S. Abe	Japan
I. Andricioaei	USA
C. Beck	UK
E.G.D. Cohen	USA
G. Kaniadakis	Italy
A. Plastino	Argentina
A.R. Plastino	S. Africa
S. P. Quarati	Italy
A.K. Rajagopal	USA
A. Rapisarda	Italy
A. Robledo	Mexico
C. Tsallis	Brazil & USA

Invited Speakers

C. Anteneodo	Brazil
F. Baldovin	Italy
B.M. Boghosian	USA
J.P. Boon	Belgium
L. Borland	USA
A. Carati	Italy
J. Marsh	USA
J. Naudts	Belgium
H. Suyari	Japan
F.A. Tamarit	Argentina
S. Thurner	Austria
U. Tirnakli	Turkey
P.A. Varotsos	Greece
G. Wilk	Poland
H.O. Wio	Spain

DEADLINE

for requesting participation

31 March 2006