

SCHOOL AND CONFERENCE ON SPATIOTEMPORAL CHAOS

8 - 19 July 2002

Miramare-Trieste, Italy

Directors: H. Chaté (CEA-Saclay), R. Kapral (Toronto), S. Kusnetsov (Saratov).

Local Organizer: H. Cerderia (the Abdus Salam ICTP, Trieste, Italy)

The main goal of this School is to offer participants the opportunity to obtain a comprehensive overview of the recent developments in spatiotemporal chaos.

Spatiotemporal chaos is an ubiquitous phenomenon that arises in fluid, chemical and other systems and its understanding is essential for applications to many industrial, biological and physical systems. Recent developments in the field have been driven both by elegant experiments and detailed theories. Since spatiotemporal chaos lies at the border between nonlinear science and statistical physics, researchers in the field utilize concepts and tools developed in both of these disciplines. The proposed school will provide an opportunity for fruitful exchanges between theoreticians and experimentalists working in these areas. It will establish links between "traditional" nonlinear science and the statistical physics of far-from-equilibrium systems.

The list of speakers reflects the main themes of the workshop: statistical mechanical aspects of spatiotemporal chaos, nonlinear waves and patterns and experimental investigations of spatiotemporal chaos.

The School and Conference will consist of 10 full working days separated by a weekend break. The activities will center on tutorial lectures as well as talks on recent research. There will also be contributed talks and time in the programme for formal and informal discussions. The second week of the School will be dedicated to the conference. Participants who would like to present a short talk are expected to communicate the title and a short abstract with the application form.

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the School. Although the main purpose of the ICTP is to help researchers from developing nations through a programme of training activities within a framework of international cooperation, students and post-doctoral scientists from developed countries are also welcome to attend. The School will be conducted in English.

As a rule, travel and subsistence expenses of the participants are borne by the home institution. However, some funds may become available which will permit the Centre to grant a subsistence allowance to a limited number of participants from developing countries, who will be selected by the Organizers. As scarcity of funds allows travel to be granted only in a few exceptional cases, every effort should be made by candidates to secure support for their fare (or at least partial fare) from their home country. Scientists from developed countries are welcome to attend but cannot be offered a subsidy. There is no registration fee to attend the School and Conference.

Those interested in participating should complete and return the "Request for Participation" form, complete with a curriculum vitae (form also obtainable via e-mail: smr1417@ictp.trieste.it, using as subject "get announcement", or via WWW Server: <http://www.ictp.trieste.it/>), and send it, **before 28 February 2002**, to:

the Abdus Salam International Centre for Theoretical Physics
School and Conference on Spatiotemporal Chaos
(c/o Ms. Valerie Shaw)
Strada Costiera 11
I-34014 Trieste, Italy

List of Speakers

G. Ahlers (USA)
I. Aronson (USA)
F. Argou (France)
D. Barkley (UK)
M. Baer (Germany)
Y. Couder (France)
O. Dauchot (France)
J-M. Flesselles (France)
Hu Gang (P.R. China)
P. Grassberger (Germany)
H.S. Greenside (USA)
V. Hakim (France)
Y. Kuramoto (Japan)
K.J. Lee (Korea)
H. Levine (USA)
R. Livi (Italy)
A. Mikhailov (Germany)
S.W. Morris (Canada)
G. Nicolis (Belgium)
E. Ott (USA)
A. Pikovsky (Germany)
A. Politi (Italy)
S. Ponce-Dawson (Argentina)
I. Procaccia (Israel)
S. Ruffo (Italy)
M. San Miguel (Spain)
K. Showalter (USA)
M. van Hecke (The Netherlands)

Deadline:

28 February 2002

