Second Issue

CONFERENCE ON "IRREVERSIBLE QUANTUM DYNAMICS"

29 July - 2 August 2002
(Miramare, Trieste, Italy)

The Abdus Salam International Centre for Theoretical Physics (ICTP), will organize a *CONFERENCE on "IRREVERSIBLE QUANTUM DYNAMICS"*, to take place from **29 July to 2 August 2002.** The Conference will be organized by **F. BENATTI** (University of Trieste, Italy), **R. FLOREANINI** (INFN, Italy) and **S. WICKRAMASEKARA** (The University of Texas, Austin, TX, U.S.A.).

PURPOSE AND NATURE

The aim of the Conference is to bring together different groups of researchers, including physicists, mathematicians and quantum chemists, whose interests and pursuits involve irreversibility and time asymmetry in quantum mechanics. The Conference will promote the open and in-depth exchange of different points of view, both on the content and character of quantum physical irreversibility and the methodologies used to study it.

This Conference is now the fifth in the series, and has developed from the International Workshops on Time Asymmetric Quantum Physics and Rigged Hilbert Space Mathematics, which have taken place in France, Germany and Spain.

MAIN TOPICS:

Theoretical Aspects of Irreversible Dynamics in Quantum Physics; Dynamics of Open Quantum Systems; Irreversibility and Foundations of Quantum Mechanics; Asymmetric Time Evolution of Relativistic and Non-relativistic Resonances; Time Asymmetry, Semigroups and Causality.

LIST OF SPEAKERS *(and others, to be confirmed):*

R. ALICKI	(Gdansk, Poland)	**A. KOSSAKOWSKI**	(Torun, Poland)
J. ANKERHOLD	(Freiburg, Germany)	**K. LENDI**	(Zürich, Switzerland)
I. ANTONIOU	(ULB Brussels, Belgium)	**D.A. LIDAR**	(Toronto, Canada)
W. BLUM	(CERN, Switzerland)	**A.W. MAJEWSKI**	(Gdansk, Poland)
A. BOHM	(The Univ. of Texas, USA)	**N. MAVROMATOS**	(King's College, London)
E. BRANDAS	(Uppsala, Sweden)	**A. MONDRAGON**	(UNAM, Mexico)
M. CZACHOR	(Gdansk, Poland)	**C. NICOLAIDES**	(Athens, Greece)
L. DIOSI	(Budapest, Hungary)	**S. PASCAZIO**	(Bari, Italy)
P. FACCHI	(Bari, Italy)	**F. PETRUCCIONE**	(Freiburg, Germany)
M. FANNES	(Leuven, Belgium)	**A. RIMINI**	(Pavia, Italy)
M. GADELLA	(Valladolid, Spain)	**A. ROYER**	(Montreal, Canada)
G.C. GHIRARDI	(Trieste, Italy)	**H. SALLER**	(Münich, Germany)
N. HARSHMAN	(Houston, U.S.A.)	**G.L. SEWELL**	(Queen Mary&Westfield, London)
P. KIELANOWSKI	(Mexico City, Mexico)	**U. WEISS**	(Stüttgart, Germany)

PARTICIPATION

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the Conference. 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 postdoctoral scientists from developed countries are also welcome to attend. As the Conference will be conducted in English, participants must have a good working knowledge of that language.

As a rule, travel and subsistence expenses of the participants are borne by the home institution. However, limited funds are available for some participants from developing countries, to be selected by the Organizers. Such financial support is available only for those who attend the entire activity. Every effort should be made by candidates to secure support for their fare (or at least half fare) from their home country. There is no registration fee to attend the Conference.

Those wishing to participate should complete and return the "Request for Participation" form, to be found at the back of the announcement (also obtainable via e-mail: smr1419@ictp.trieste.it, using as subject "*get announcement*", or via WWW Server: http//www.ictp.trieste.it/) to:

the Abdus Salam International Centre for Theoretical Physics
Conference on "Irreversible Quantum Dynamics" (smr 1419)
Strada Costiera 11, I-34014 Trieste, Italy

The closing date for requesting participation is **25 March 2002.**

ORGANIZERS

F. Benatti *
(University of Trieste, Italy)

R. Floreanini *
(INFN, Trieste, Italy)

S. Wickramasekara
(The University of Texas, Austin, TX, U.S.A.)

**** Local Organizer***

DEADLINE

25 March 2002