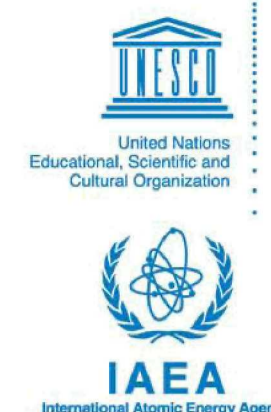




The Abdus Salam
International Centre for Theoretical Physics



*International Workshop on
Advanced Polymer Science and Turbulent Drag Reduction*

(10 – 20 March 2008)

(Miramare - Trieste, Italy)

In this Workshop, latest development in selected topics of Polymer Science, Fluid Mechanics and Turbulent Drag Reduction would be discussed and emphasis would be on Materials, Mechanisms and Applications. The activity will be held at the Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) from 10 to 20 March 2008. The selected topics would be as follows:

Polymer Science:

- Advanced Polymer Synthesis;
- Polymer Nanocomposites and In-Situ Composites;
- Characterization, Behaviour of Crosslinked Polymers;
- Molecular Characterization of Synthetic Polymers by Liquid Chromatography;
- Surface and Interface Phenomenon in Polymeric Systems;
- Polymeric Liquid Crystal for Optical Displays;
- Electrical Properties of Polymers;
- Electrical and Dielectric Properties of Polymers and Carbon Composites;
- Dynamics of Molecular Relaxation;
- High Temperature Polymers.

Turbulent Drag Reduction:

- Advanced Fluid Mechanics and Turbulence;
- Turbulent Drag Reduction: Materials, Mechanisms and Applications;
- Polymeric Flocculants and Flocculation in Suspensions.

PARTICIPATION: Young researchers from all countries that are members of the UN, UNESCO or IAEA may attend the Workshop. It is expected that the scientists have specialization in Polymers and Fluid Mechanics. As the Workshop will be conducted in English, participants must have an adequate working knowledge of that language. The main purpose of the Centre is to help researchers from developing countries through a programme of training activities within the framework of international cooperation. However, scientists from developed countries are most welcome to attend.

As a rule, travel and subsistence expenses of the participants are borne by their home institutions. Some ICTP funds are available for a limited number of applicants who are nationals of, and working in, developing countries. Such financial support is available only to those attending the entire Workshop. 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 fares from their home country.

CALL FOR CONTRIBUTED POSTERS: During the activity there will be a Poster Session. Abstracts should be submitted no later than **1 February 2008** to the Workshop Secretary at the address indicated below. The recommended format for the abstracts (including title, authors and abridged institutions) is 16 cm (wide) and 11 cm (high). Please send file attachments in PDF format.

REQUESTS FOR PARTICIPATION:

There is no registration fee for attending this Workshop. The "Request for Participation Form" is obtainable via the web-server: <http://agenda.ictp.it/smr.php?1984> It should be completed, signed and returned by using only one of the following ways:

If sending an application by e-mail to smr1984@ictp.it please save and send file attachments in either PDF (preferably) or RTF zipped or Doc format.

If sending an application form by regular mail or courier it should be posted to:
International Workshop on Advanced Polymer Science and Turbulent Drag Reduction
(smr1984 c/o Ms. Doreen M. Sauleek)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy

(recent photograph & signature of the candidate are compulsory)

ACTIVITY SECRETARIAT:

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ICTP Home page: <http://www.ictp.it/>

Trieste, September 2007

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Tentative List of Speakers:

V. Barboiu

(Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania)

D. Berek

(Polymer Institute, Bratislava, Slovakia)

A. Bismarck

(Imperial College, London, UK)

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H. Münstedt

(University of Erlangen, Germany)

J.-M. Saiter

(University of Rouen, Saint Etienne du Rouvray, France)

R. P. Singh, Vice-Chancellor

(University of Lucknow, India)

J. Steinke

(Imperial College, London, UK)

A.L. Vasilikou-Dova

(University of Athens, Greece)

Deadlines:

30 November 2007

(if requesting funds)

or

30 December 2007

(if NOT requesting funds)