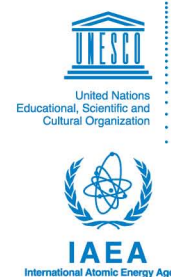




The Abdus Salam International Centre for Theoretical Physics



International School and Conference on Foliations, Dynamical Systems, Singularity Theory and Perverse Sheaves

6 - 21 October 2009, Samarkand, Uzbekistan

Website: <http://agenda.ictp.it/smr.php?2079>

The Mathematical Faculties of the National University of Uzbekistan (Tashkent) and Samarkand University (Uzbekistan) and the Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, are organizing an International School and Conference on Foliations, Dynamical Systems, Singularity Theory and Perverse Sheaves from 6 to 21 October 2009 in Samarkand State University, Uzbekistan.

The main aim of this School and Conference is to bring together specialists, researchers and students working on various aspects of Algebraic Geometry, of Foliations and of Dynamical Systems to discuss and further develop the interactions among these subjects. Some areas of interest are: Singularities in algebraic and analytic geometry, Hodge theory, local and global theory of foliations on varieties, the theory of D-modules and representation theory.

The academic programme consists of a School during the first week and a Conference during the second week. In the School there will be courses on topics of current interest taught by leading experts. In the Conference there will be Plenary Talks and Sessions on Dynamical Systems, on Foliations, on Hodge theory and perverse sheaves.

Scientific Programme:

1 - School, 6 - 10 October 2009: The following courses will be offered

- **Dynamical Systems** - Professors Azamov A. (Tashkent) and Bruno A.D. (Moscow)
- **Geometry of projective varieties, Singularities and Perverse sheaves** - Professors Lê Dũng Tráng (ICTP), El Zein F. (IMJ) and Sadullaev A. (Tashkent).
- **Foliations** - Professor Langevin R. (France)

2 - Conference, 11 - 21 October 2009: The programme consists of morning Plenary Lectures and the following afternoon Sessions:

Singularity theory and perverse sheaves (coordinated by Seade J.)

Dynamical Systems (coordinated by Soleev A., Narmanov A.)

Hodge theory (coordinated by El Zein F.)

Foliations and Catastrophe theory (coordinated by Chaperon M.)

Plenary Lectures speakers:

Azamov A. (Tashkent), Chaperon M. (IMJ, Paris, France), Dzhililov A. (Uzbekistan), Gusein-Zade S. (Moscow), Ikramov I. (Uzbekistan), Massey D. (Northeastern, Boston, USA), Movasati H. (IMPA, Rio de Janeiro, Brazil), Narmanov A. (National Univ. of Uzbekistan, Tashkent), Popescu-Pampu P. (IMJ, Paris, France), Snoussi J. (Cuernavaca, Mexico), Soleev A. (Samarkand Univ., Uzbekistan), Seade J. (Cuernavaca, Mexico), Sadullaev A. (National Univ. of Uzbekistan, Tashkent), Shubladze M. (Tbilisi, Georgia), Tosun M. (Istanbul, Turkey), Zaare-Nahandi R. (Teheran, Iran),

The preliminary list of speakers can be found at: <http://agenda.ictp.it/smr.php?2079>

Participation: The school and the conference are open to all mathematicians from all countries which are members of the United Nations, UNESCO or IAEA. Graduate students from the post soviet union republics and middle east are encouraged to apply.

The **application form** and other information may be found at the web page <http://agenda.ictp.it/smr.php?2079> which will be updated periodically.

Support: A limited number of grants to partially support local expenses are available. Funds from the ICTP are available only for participants who are nationals of, and working in, developing countries, who accept to attend the entire activity, and who are not more than 45 years old.

Possible financial help for participants from advanced countries can be requested directly from the Directors of the school.

Deadline for applying for support: 30 May 2009

Contact address: smr2079@ictp.it

- PARTICIPATING INSTITUTIONS

Samarkand University, Samarkand, Uzbekistan

National University of Uzbekistan, Tashkent



Directors of the School

El Zein Fouad

Inst. Math. Jussieu, France

Gusein-Zade Sabir

Moscow University

Langevin Remi

Univ. Bourgogne, France

Lê Dũng Tráng

ICTP, Trieste, Italy
(ICTP Organizer)

Massey David

Northeastern Univ., USA

Narmanov Abdigappar

National University of
Uzbekistan, Tashkent

Soleev Ahmadjon

Samarkand Univ., Uzbekistan
(Local Organizer)

DEADLINE

for receipt of applications:

30 MAY 2009