

The Abdus Salam International Centre for Theoretical Physics &
Institute of Mathematics, Hanoi, Vietnam

International School and Workshop

Polynomial Automorphisms and Related Topics

October 9-20, 2006, Hanoi, Vietnam

Website: <http://www.math.ac.vn/conference/ICPA2006>

The Institute of Mathematics, Hanoi, Vietnam, and the Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, are organizing an International School and Workshop on Polynomial Automorphisms and Related Topics from October 9 to October 20, 2006, in Hanoi, Vietnam. The aim of the conference is to introduce mathematicians from Asian developing countries to recent developments in the field of Polynomial Automorphisms and its related topics in Commutative Algebra and Affine Geometry and to promote the collaboration between mathematicians from different developing and developed countries in this field.

Main Topics: *Polynomial Automorphisms; Jacobian Conjecture and Related topics: Group actions, locally nilpotent derivations, the Cancellation Problem, Linearization Conjectures, Embedding problem; Topology of polynomials; Global diffeomorphisms.*

Scientific Programs:

1- Advanced School, October 9 - 13, 2006: There will be 5 instructional courses for graduate students and young mathematicians from Asian developing countries on the following topics:

- *Polynomial Automorphisms* - David Wright, Washington University in St. Louis, USA.
- *The Jacobian conjecture* - Arno Van den Essen, Radboud University of Nijmegen, Netherlands.
- *Group Actions* - Hanspeter Kraft, University of Basel, Switzerland.
- *Embedding Problems* - Peter Russell, McGill University, Canada.
- *Topology of Polynomials* - Ha Huy Vui, Institute of Mathematics, Vietnam.

2- Workshop, October 16 - 20, 2006: This is devoted to an International Conference on recent developments in the field of Polynomial Automorphisms and its related topics in Commutative Algebra and Affine geometry with many invited lectures. Beside invited talks there will be opportunities for mathematicians to present their research works.

Invited Speakers: Hymann Bass (Michigan University, USA), Shreeram Abhyankar (Purdue University, USA), Arno Van den Essen (Radboud University of Nijmegen, Netherlands), Le Dung Trang (ICTP, Italy), David Wright (Washington University in St. Louis, USA), Hanspeter Kraft (University of Basel, Switzerland), Masayoshi Miyanishi (Kwansei Gakuin University, Japan), Walter D Neumann (Columbia University, USA), Ha Huy Vui (Institute of Mathematics, Vietnam), Mutsuo Oka (Tokyo University of Science, Japan), Zbigniew Jelonek (Krakow Univ., Poland), Tadeusz Krasinski (University of Lodz, Poland), Kossivi Adjamagbo (Université Paris 6, France), Wenhua Zhao (Illinois State University at Normal USA), Peter Russell (McGill University, Canada), Teruo Asanuma (Toyama University, Japan), Pierrette Cassou-Nogues (Universite de Bordeaux I, France), Michiel de Bondt (Radboud University Nijmegen, Netherlands), Kaya Matsuda (Himeji Institute of Technology, Japan), Xavier Jarque (Barcelona University, Spain), (To be continued).

Participation: The school and the workshop are opened to all mathematicians. Registration form is obtainable from <http://www.math.ac.vn/conference/ICPA2006/registrationform.rtf>.

Deadline for registration: June 9, 2006.

Support: As a rule, travel and subsistence expenses of the participants should be borne by their home institutions. However, limited funds are available for some participants from and working in developing countries. A preference will be given to candidates from Asian Developing Countries.

Application form is obtainable on the Web server of ICTP at: <http://agenda.ictp.trieste.it/smr.php?1788>

Deadline for applying support: May 9, 2006.

Registration forms and Application forms should be completed and sent by e-mail, fax, or by ordinary mail to the contact address.

Contact Address: Dr. Nguyen Van Chau, Institute of Mathematics, 18 Hoang Quoc Viet, 10307 Hanoi, Vietnam. E-mail: ICPA2006@math.ac.vn, Fax: 0084-4-7564303.



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