



Advanced Training in Mathematics Schools

Supported by National Board for Higher Mathematics
Third Annual Foundation School-Part II
Venue: Indian Statistical Institute, Bangalore
May 7 - June 2, 2007
Convener: B. Sury

Brief description of ATM Schools

Advanced Training in Mathematics (ATM) Schools are a joint effort of more than 50 active researchers across the country with support from the National Board for Higher Mathematics. The programmes are conducted in reputed mathematics departments during Summer and Winter each year. In these Schools, the emphasis will be on problem solving and on highlighting inter-relations of basic subjects in mathematics. The schools are offered mainly for Ph. D. students and lecturers.

Third Annual Foundation School-Part II

Basic knowledge in algebra, analysis, and topology forms the core of all advanced instructional schools to be organized in the ATM programme. The objectives of the Annual Foundation Schools are to bring students with diverse backgrounds up to a common level and to identify those who are fit for further training. Any student who wishes to attend the *Advanced Instructional Schools* is encouraged to enrol in the *Annual Foundation Schools*. In this Foundation School, courses of lectures will cover basic topics in commutative algebra, complex analysis and algebraic topology. There will also be two lecture series entitled *Unity of Mathematics Lectures* which will cover topics highlighting fundamental unity among various branches of mathematics.

Eligibility for participation

The School will admit 30 students in their first and second years of Ph. D. programme, a few bright students of M. Sc. (II year) and a few young university lecturers and college teachers. A participant who has attended an AFS-I before will be preferred.

Financial Support

Selected participants will be paid II-AC return train fare from their place of work/home town to the venue by shortest route and provided with accommodation and local hospitality.

Applicants are encouraged to apply electronically to sury@isibang.ac.in

Applications may also be made on plain paper, giving the following information:

Name, Date of Birth, Age, Gender, Institute/Department, Areas of interest, Address for correspondence, email address, City, State, PIN code, Academic Record: B.Sc./M.Sc./ with names of the Institutes.

Completed application forms should reach the following address by **Friday, March 1, 2007**.

Prof. B. Sury, Indian Statistical Institute, 8th Mile, Mysore Road, Bangalore 560 059.

email : sury@isibang.ac.in

List of selected candidates will be posted on the website of ATM Schools on **Friday, March 15, 2007**.

Speakers: G.Misra, B.Bagchi, G.Bharali, S.Gadgil, H.Seshadri, A.Naolekar, S.P.Inamdar, J.G.Biswas & B.Sury.

Unity of Mathematics Lectures by: M.S. Narasimhan & A. Sitaram.

The syllabus, application forms and other information about the programme are available on the ATM website:

<http://www.iitb.ac.in/atm>

National Coordinating Committee of ATM

Director : R. S. Kulkarni, IIT Bombay

Secretary: J. K. Verma, IIT Bombay

Members: S. D. Adhikari - HRI, Allahabad; S. Deo - HRI, Allahabad; S. A. Katre - Pune University, Pune; S. Madan - IIT Kanpur; I. B. S. Passi - Panjab University, Chandigarh & R. A. Rao - TIFR, Mumbai.