



Advanced Training in Mathematics Schools

Supported by National Board for Higher Mathematics

Sixth Annual Foundation School-I (AFS-I)

Venue: Chennai Mathematical Institute, Chennai.

3-30 December, 2009

Conveners: Clare D'Cruz, K. N. Raghavan & P. Sankaran

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 in Summer and Winter each year. In these Schools, the emphasis will be on problems solving and on highlighting interrelations of basic subjects in mathematics. The schools are offered mainly for Ph.D. students and lecturers.

Sixth Annual Foundation School, Part I

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 algebra, analysis and topology. There will also be lecture series entitled Unity of Mathematics Lectures which will highlight fundamental unity among various branches of mathematics.

Eligibility for participation

The School will admit 40 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 not be allowed to attend this school.

National Coordinating Committee

Director	R. S. Kulkarni	IIT Bombay
Secretary	J. K. Verma	IIT Bombay
Members	S. D. Adhikari	HRI, Allahabad
	Satya Deo	HRI, Allahabad
	S. A. Katre	Pune Univ., Pune
	Shobha Madan	IIT Kanpur
	I. B. S. Passi	Panjab Univ., Chandigarh
	R. A. Rao	TIFR, Mumbai

Financial Support

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

How to Apply

The syllabus, application form and other information about the programme is available on the website:

www.bprim.org/atm

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, Pincode, Academic Record: B.Sc./M.Sc./ with names of the Institutes. These should be attested by Head/Principal of the institute.

Completed application forms should reach

Clare D'Cruz
 Coordinator, AFS-I
 Chennai Mathematical Institute
 Plot H1, Sipcot IT Park,
 Padur PO, Siruseri 601 103
 e-mail: clare.cmi@gmail.com
 Phone: 91-44-2747 0226-0229, Fax: 91-44-2747 0225

by **Friday, 4th Sept., 2009**. List of selected candidates will be posted on the website of ATM Schools on **Friday, 11th September, 2009**.

Resource persons

V. Uma	S. Kesavan
S. S. Kannan	M. Krishna
P. Rath	K. Biswas
C. D'Cruz	P. Sankaran
Shrihari Sridharan	

Unity of Mathematics Lectures

To be finalized