



# National Centre for Mathematics

www.ncmath.org

(A joint centre of TIFR and IIT Bombay)

## Advanced Training in Mathematics Schools

www.atmschools.org

Supported by National Board for Higher Mathematics



## Annual Foundational School III, 2012

Venue: Harish-Chandra Research Institute, Allahabad

6–31 July, 2012

Convener: N. Raghavendra

### Brief description of ATM Schools

Advanced Training in Mathematics (ATM) Schools are a joint effort of a large number of 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 problem solving and on highlighting inter-relations of basic subjects in mathematics. The schools are offered mainly for Ph.D. students and lecturers. Presently we invite applications for participation in

### Advanced Foundational School III, 2012

Basic knowledge in algebra, analysis and topology forms the core of all advanced instructional schools organized in the ATM programme. The objectives of the Annual Foundation Schools (AFS) are to bring up students with diverse backgrounds 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 strongly encouraged to enroll in the Annual Foundation Schools first. The courses in AFS III will cover basic topics in field theory, complex analysis, and differential geometry. In addition, there will be two Unity of Mathematics lectures, which will highlight interactions between different branches of mathematics.

### Eligibility for participation

AFS III will admit 30 students in the first and second years of the Ph. D. programme, a few students of M.Sc. (II Year), and a few university lecturers and college teachers who lack the knowledge of basic topics covered in these schools.

### Financial Support

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

### How to Apply

The syllabus, applications form and other information about the programme are available on the website:

<http://www.atmschools.org>

Completed application forms should reach

**N. Raghavendra**  
**Harish-Chandra Research Institute**  
**Chhatnag Road, Jhusi**  
**Allahabad 211 019**

e-mail: [raghu@hri.res.in](mailto:raghu@hri.res.in)

by **April 30, 2012**. List of selected candidates will be posted on the websites of ATM Schools on **May 7, 2012**.

### Resource persons

<b>M. K. Keshari</b>	<b>IITB, Mumbai</b>
<b>R. S. Kulkarni</b>	<b>IITB, Mumbai</b>
<b>D. P. Patil</b>	<b>IISc, Bangalore</b>
<b>K. N. Raghavan</b>	<b>IMSc, Chennai</b>
<b>N. Raghavendra</b>	<b>HRI, Allahabad</b>
<b>R. R. Simha</b>	<b>TIFR, Mumbai</b>
<b>J. K. Verma</b>	<b>IITB, Mumbai</b>
<b>K. Verma</b>	<b>IISc, Bangalore</b>