



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)



Advanced Instructional School on Algebraic Curves

Venue : Indian Institute of Science Education and Research (IISER), Pune

3rd to 22nd June, 2013

Organisers : Nitin Nitsure, R. Parthasarathi & Vivek Mohan Mallick

Brief description of ATM Schools

Advanced Training in Mathematics (ATM) Schools are a joint effort of a large number of mathematicians across the country, with support from the National Board for Higher Mathematics. The programmes are conducted in reputed mathematics departments in Summer and Winter every year. The emphasis in these Schools is on solving problems, and on the relations between basic areas of mathematics. The schools are intended mainly for Ph.D. students and lecturers. Applications are now invited for participation in the following school.

Advance Instructional School in Algebraic Curves

The theory of Riemann surfaces and algebraic curves is a cornerstone of modern algebraic geometry. It is also of great importance in number theory. This three week instructional school will introduce beginners to this fundamental subject. The programme will begin with recalling the relevant basics of topology, complex analysis and commutative algebra in 12 lectures (each lecture in the school will be of 90 minutes duration). The main part of the programme will be two series of 9 lectures each on Riemann surfaces and on algebraic curves. There will be a short introduction to the arithmetical aspects of the theory. Every day there will be two tutorial sessions, devoted to answering questions and solving exercises.

Eligibility for participation

Students who are doing their Ph.D. and have basic knowledge of algebra, analysis and topology are encouraged to apply. Research scholars with fellowship will be given preference.

Financial Support

Selected participants will be paid AC 3-tier return train fare from their place of work to the venue by the shortest route and will be provided with accommodation and local hospitality.

How to apply

Application form and other information about the programme are available on the following website

<http://www.atmschools.org/2013>

Completed application forms should reach :

Prof. Nitin Nitsure,
School of Mathematics,
TIFR, Homi Bhabha Road,
Mumbai 400 005

Email: nitsure@math.tifr.res.in

Last date for receiving completed application is :

01 January 2013

List of selected candidates will be posted on the above mentioned website on :

15 January 2013

Resource Persons

Prof. S.M. Bhatwadekar,
Bhaskaracharya Pratishthana, Pune.

Prof. Amit Hogadi, TIFR, Mumbai.

Prof. Vivek Mohan Mallick, IISER, Pune.

Prof. Nitin Nitsure, TIFR, Mumbai.

Prof. R. Parthasarathi, IISER, Pune.

Prof. Sreekar Shastry, IISER, Pune.