



## Advanced Training in Mathematics Schools

### ATM Workshop-cum-Conference

*Singularity Categories*

*in Algebraic Geometry and Commutative Algebra*

*2nd – 12th January, 2013*

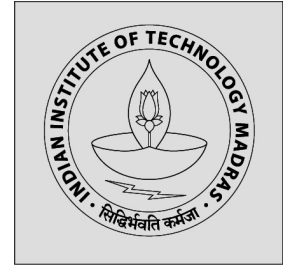
**Supported by National Centre for Mathematics**

**Venue:**

*Indian Institute of Technology Madras, Chennai, Tamilnadu, India.*

**Conveners:**

*T. E. Venkata Balaji, Srikanth B. Iyengar, Suresh Nayak*



### Advanced Training in Mathematics 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 Centre for 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. There are four types of schools. Among these, the ATM Workshop-cum-Conferences are targeted at advanced research scholars (Ph.D. students), post-doctoral researchers and young faculty working in the areas of / closely related areas of the syllabus for the activity. Presently we invite applications for participation in

### Singularity Categories in

### Algebraic Geometry and Commutative Algebra

This workshop-cum-conference will consist of a workshop (2-10 January 2013) and an international conference (11-12 January 2013), both at the Indian Institute of Technology Madras, in Chennai, Tamilnadu. The focus of the workshop will be on various aspects of singularity categories in commutative algebra and algebraic geometry.

### Eligibility for participation

Applications are invited from research scholars and young researchers working in commutative algebra and algebraic geometry. Preference will be given to senior PhD students who have attended Advanced Instructional Schools or ATM Workshops in these areas, and to post-doctoral researchers and young faculty who are carrying out research in these areas.

### Financial Support

Selected participants will be paid AC 3-tier 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, the online application form and other information about the programme is available on the website:

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

The last date for submission of the application is **15th August 2012**. The list of selected candidates will be posted on the ATM Schools website on **1st September 2012**.

### Resource persons

Srikanth Iyengar	University of Nebraska, USA.
Manoj Kummini	CMI, Chennai
Sukhendu Mehrotra	University of Wisconsin, USA.
Suresh Nayak	ISI, Bangalore.
Ajay Ramadoss	ETH, Zurich, Switzerland.
Pramathanath Sastry	CMI, Chennai