



The Institute of Mathematical Sciences  
The Chinese University of Hong Kong



# Workshop on “Recent Trends in Algebraic Geometry”

Venue: Room 501a, Academic Building No. 1, CUHK

## Program Schedule

### December 13, 2004 (Monday)

Time	Speaker / Talk Title
13:30 – 14:00	<i>Registration</i>
14:00 – 15:00	<b>Duong H. PHONG</b> ( <i>Columbia University</i> ) (to be announced)
15:00 – 15:30	<i>Tea Break</i>
15:30 – 16:30	<b>Vikram Bhagvandas MEHTA</b> ( <i>Tata Institute of Fundamental Research</i> ) Singularities of Moduli Spaces of Vector Bundles over Curves in characteristic 0 and $p$ (joint work with Venkata Balaji)

### December 14, 2004 (Tuesday)

Time	Speaker / Talk Title
10:30 – 11:30	<b>John MORGAN</b> ( <i>Columbia University</i> ) Mirror Symmetry for toric Calabi-Yau three-folds
11:30 – 14:00	<i>Lunch</i>
14:00 – 15:00	<b>Jun LI</b> ( <i>Stanford University</i> ) Relative stable maps and topological vertex

~~~ *Thank you for your participation* ~~~



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### December 15, 2004 (Wednesday)

| Time          | Speaker / Talk Title                                                                                                                                      |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10:30 – 11:30 | <b>Kang ZUO</b> ( <i>Universität Mainz</i> )<br>Intersection cohomology, Higgs cohomology and modular forms on higher dimensional complex ball quotients. |
| 11:30 – 14:00 | <i>Lunch</i>                                                                                                                                              |
| 14:00 – 15:00 | <b>Rajendra Vasant GURJAR</b> ( <i>Tata Institute of Fundamental Research</i> )<br>On the Makar-Limanov invariant of affine surfaces                      |
| 15:00 – 15:30 | <i>Tea Break</i>                                                                                                                                          |
| 15:30 – 16:30 | <b>Chin-Lung WANG</b> ( <i>National Central University</i> )<br>On Quantum Corrections Given by Certain Extremal Rays                                     |

### December 16, 2004 (Thursday)

| Time          | Speaker / Talk Title                                                                                |
|---------------|-----------------------------------------------------------------------------------------------------|
| 10:30 – 11:30 | <b>Yi HU</b> ( <i>University of Arizona</i> )<br>Birational Geometry and Geometric Invariant Theory |

~~~ *Thank you for your participation* ~~~