

**Homi Bhabha Centre for Science Education  
Tata Institute of Fundamental Research, Mumbai, India**

**National Conference on Mathematics Education**

**January 20 to 22, 2012**

**Venue: NIUS - G4 Lecture Hall**

**Day 1 (January 20) *Friday***

|                       |  |
|-----------------------|--|
| <b>09:30 to 10:00</b> | Registration   |
| <b>10:00 to 10:30</b> | Inauguration   |
| <b>10:30 to 11:10</b> | Introduction to ICME, NIME and the RCs<br>( <i>K. Subramaniam &amp; R. Ramanujam</i> )   |
| <b>11:10 to 11:30</b> | <b>Tea</b>   |
| <b>11:30 to 11:55</b> | <i>Shailesh Shirali &amp; Jonaki Ghosh</i> : Missed Opportunities in the Higher Secondary Mathematics Curriculum   |
| <b>11:55 to 12:20</b> | <i>Jayasree Subramanian</i> : Re-Visioning school mathematics curriculum to address Social Justice Concerns in India   |
| <b>12:20 to 13:00</b> | Paper Presentations:<br>(i) <i>Shah, M. et al.</i> Insights into Student Errors in Ordering of Fractions, Equal Sign Interpretation and Identification of Shapes<br>(ii) <i>Threja, A.</i> Lesh's Model of Multimodal Representation in Learning Mathematical Concepts |
| <b>13:00 to 14:00</b> | <b>Lunch</b>   |
| <b>14:00 to 14:40</b> | <i>R. Ramanujam</i> : School mathematics, the discipline of mathematics and transitions  |
| <b>14:40 to 15:20</b> | <i>Geetha Venkataraman</i> : Undergraduate Mathematics Education   |
| <b>15:20 to 15:45</b> | <b>Tea</b>   |
| <b>15:45 to 16:10</b> | <i>M. Mahadevan</i> : Contribution of Teacher's Associations towards Mathematics Education   |
| <b>16:10 to 17:40</b> | Reports of the Regional Conferences: <i>Vijay Kumar Ambat, Geetha Venkataraman, Bhaba Kumar Sarma, Vinay Kantha, Vinayak Sholapurkar</i>   |
| <b>18:00 to 19:30</b> | Videos   |

**Day 2 (January 21) *Saturday***

|                       |   |
|-----------------------|---|
| <b>09:30 to 10:10</b> | <i>Anita Rampal</i> : The Elementary Mathematics Curriculum in India            |
| <b>10:10 to 10:50</b> | <i>Hridaykant Dewan</i> : Maths Education – The efforts from outside the system |
| <b>10:50 to 11:10</b> | <b>Tea</b>  |
| <b>11:10 to 11:35</b> | <i>Parvin Sinclair</i> : Distance is not a barrier                              |
| <b>11:35 to 13:00</b> | Paper Presentations:  |

(i) *Mihir Arjunwadkar & Abhijat Vichare*. The Making of an Academic Programme in Modeling and Simulation

(ii) *Chanchal Yadav & Anita Rampal*. Understanding Assessment for Learning: Reflective Practice in a Primary Mathematics Classroom

(iii) *Mohd. Mamur Ali*. Students' Solving Processes of Linear Equations at Elementary Stage

(iv) *Jasneet Kaur*. Children's Understanding of the Geometrical Concepts: Implications for Teaching Geometry

**13:00 to 14:00**

**Lunch**

**14:00 to 15:30**

Poster session (**Tea** will be served during the poster session)

**15:30 to 15:55**

*E. Krishnan*: Teaching Limits

**15:55 to 17:15**

Paper Presentations:

(i) *Haneet Gandhi*. Insights and Challenges in the Teaching-Learning of Probability

(ii) *G. Sethu Madhava Rao*. Problems of Teaching & Learning Mathematics in Bilingual Settings with Reference to Andhra Pradesh

(iii) *Satyawati Rawool*. Using Mathematical Concepts for Engaging Learners in Thinking Process

(iv) *R. Maithreyi*. Rethinking Primary School Mathematics: Directions for a Process-oriented Curriculum

**17:30 to 19:00**

Videos

**20:00 to 21:30**

Conference Dinner

### **Day 3 (January 22) Sunday**

**09:30 to 10:10**

*K. Subramaniam*: Mathematics education research across the world

**10:10 to 10:50**

*K. Ramasubramanian*: History of Indian Mathematics and its Implications for Mathematics Education

**10:50 to 11:15**

*Sujatha R.*: Math Education: Can we explore and exploit ICT?

**11:15 to 11:35**

**Tea**

**11:35 to 13:00**

Panel Discussion on *Assessment culture and its impact on mathematics education*. Panelists: *M. Prakash, Amber Habib, Shashidhar Jagadeesan*

**13:05 to 14:00**

**Lunch**

**14:00 to 14:25**

*Rakhi Banerjee*: Mathematics education research in India: issues and challenges

**14:25 to 14:50**

*S. G. Dani*: To be announced

**14:50 to 15:30**

Concluding session

**15:30**

**Tea**