

**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 Room No. 102

Day 1 (January 20) Friday

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

Day 2 (January 21) Saturday

- 09:30 to 10:10** *Anita Rampal*: The Elementary Mathematics Curriculum in India
- 10:10 to 10:50** *Hridaykant Dewan*: Maths Education – The efforts from outside the system
- 10:50 to 11:10** Tea

- 11:10 to 11:35** *Parvin Sinclair*: Distance is not a barrier
- 11:35 to 13:00** Paper Presentations:
- (i) *Mihir Arjunwadkar and Abhijat Vichare*. The Making of an Academic Programme in Modeling and Simulation
- (ii) *Chanchal Yadav and 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 16:00** Poster session (**Tea** will be served at 15:30 hrs)
- 16:00 to 16:25** *E. Krishnan*: Teaching Limits
- 16:25 to 17:45** 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
- 20:00 to 21:30** Conference Dinner

Day 3 (January 22) Sunday

- 09:30 to 10:10** *K. Subramaniam*: Research in Mathematics Education – An Overview
- 10:40 to 11:05** *Sujatha R.*: Math Education: Can we explore and exploit ICT?
- 11:05 to 11:30** *S. G Dani*: TBA
- 11:30 to 12:00** **Tea**
- 12:00 to 12:25** *Rakhi Banerjee*: Mathematics education research in India: issues and challenges
- 12:25 to 13:05** *M. Mahadevan*: Contribution of Teacher's Associations towards Mathematics Education
- 13:05 to 14:00** **Lunch**

- 14:00 to 14:40** *K. Ramasubramanian: History of Indian Mathematics and its Implications for Mathematics Education (*to be confirmed)*
- 14:40 to 16:00** Panel Discussion on *Assessment culture and its impact on mathematics education*. Panelists: *M. Prakash, Amber Habib, Shashidhar Jagadeesan*
- 16:00 to 16:30** **Tea**
- 16:30 to 17:15** Concluding session