

IIT Gandhinagar, 16-17 March 2013
Workshop on
Promoting History of Science in India

March 16

Registration & Tea — from 9 to 10 AM

Introduction – 10:00 to 10:30 AM

- Welcome by Prof. **Jaison Manjaly**
- Purpose and objectives of the workshop by **Michel Danino** (5 minutes)
- Brief introduction of the speakers by **Michel Danino** (10 minutes)
- **Prof. S.K. Jain**: about IIT Gn and the motivation for this workshop

Morning session – 10:30 AM to 1:30 PM

10:30 Prof. Roddam Narasimha

Keynote address: Barbarous Algebra, Inferred Axioms: Eastern Modes in the Rise of Western Science

11:30 Prof. R.N. Iyengar

Astronomy in Vedic Times

12:30 Dr. S. Balachandra Rao

Indian Classical Astronomy: An Overview

1:30 PM — Lunch break

Afternoon session – 2:30 to 6:00 PM

2:30 Dr. Mayank Vahia

Ancient Astronomy, Myths and Architecture

3:30 Dr. K. Ramasubramanian

Indian Planetary Models

4:30 PM — Tea break

5:00 Dr. M.S. Sriram

Eclipse calculations in Indian astronomy texts

6 PM — End of First Day

March 17

Morning session – 9:00 AM to 1:30 PM

9:00 Dr. Shailesh Shirali
Studying Mathematics through Its History

10:00 Dr. S.G. Dani
Geometry in the Sulvasutras

11:00 AM — Tea break

11:30 Dr. R. Sridharan
Combinatorics in India, a brief overview

12:30 Dr. S. Raja
Combinatorics in Narayana Pandita's *Ganita Kaumudi*

1:30 PM — Lunch break

Afternoon session – 2:30 to 6 PM

2:30 Dr. Amartya Kumar Dutta
Brahmagupta's Bhavana

3:30 Dr. M.D. Srinivas
The Cakravala Method

4:30 PM — Tea break

4:45 Dr. V. Madhukar Mallayya
A peep into the Kerala Mathematical Treasure Trove

5:45 — Conclusion and vote of thanks

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