

Homi Bhabha Centre for Science Education

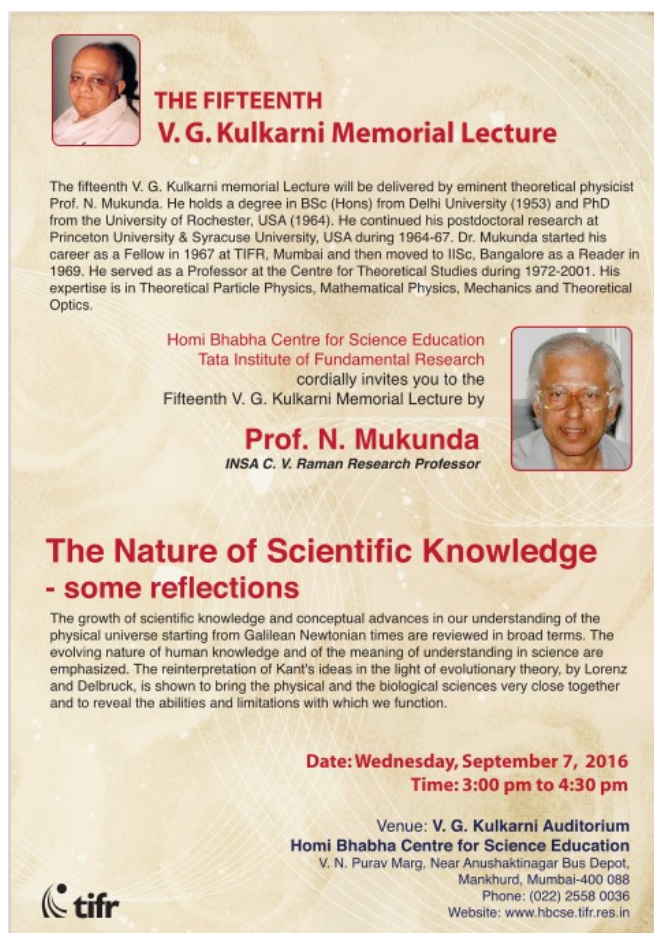
Tata Institute of Fundamental Research, Mumbai


ANNUAL REPORT OF COMMEMORATIVE EVENTS AND CELEBRATIONS

August 2016 to July 2017

Fifteenth V. G. Kulkarni Memorial Lecture


N. Mukunda (INSA C. V. Raman Research Professor), The nature of scientific knowledge - Some reflections, Fifteenth V. G. Kulkarni Memorial Lecture, HBCSE, September 7, 2016.



 **THE FIFTEENTH
V. G. Kulkarni Memorial Lecture**

The fifteenth V. G. Kulkarni memorial Lecture will be delivered by eminent theoretical physicist Prof. N. Mukunda. He holds a degree in BSc (Hons) from Delhi University (1953) and PhD from the University of Rochester, USA (1964). He continued his postdoctoral research at Princeton University & Syracuse University, USA during 1964-67. Dr. Mukunda started his career as a Fellow in 1967 at TIFR, Mumbai and then moved to IISc, Bangalore as a Reader in 1969. He served as a Professor at the Centre for Theoretical Studies during 1972-2001. His expertise is in Theoretical Particle Physics, Mathematical Physics, Mechanics and Theoretical Optics.

Homi Bhabha Centre for Science Education
Tata Institute of Fundamental Research
cordially invites you to the
Fifteenth V. G. Kulkarni Memorial Lecture by


Prof. N. Mukunda
INSA C. V. Raman Research Professor 

**The Nature of Scientific Knowledge
- some reflections**

The growth of scientific knowledge and conceptual advances in our understanding of the physical universe starting from Galilean Newtonian times are reviewed in broad terms. The evolving nature of human knowledge and of the meaning of understanding in science are emphasized. The reinterpretation of Kant's ideas in the light of evolutionary theory, by Lorenz and Delbruck, is shown to bring the physical and the biological sciences very close together and to reveal the abilities and limitations with which we function.

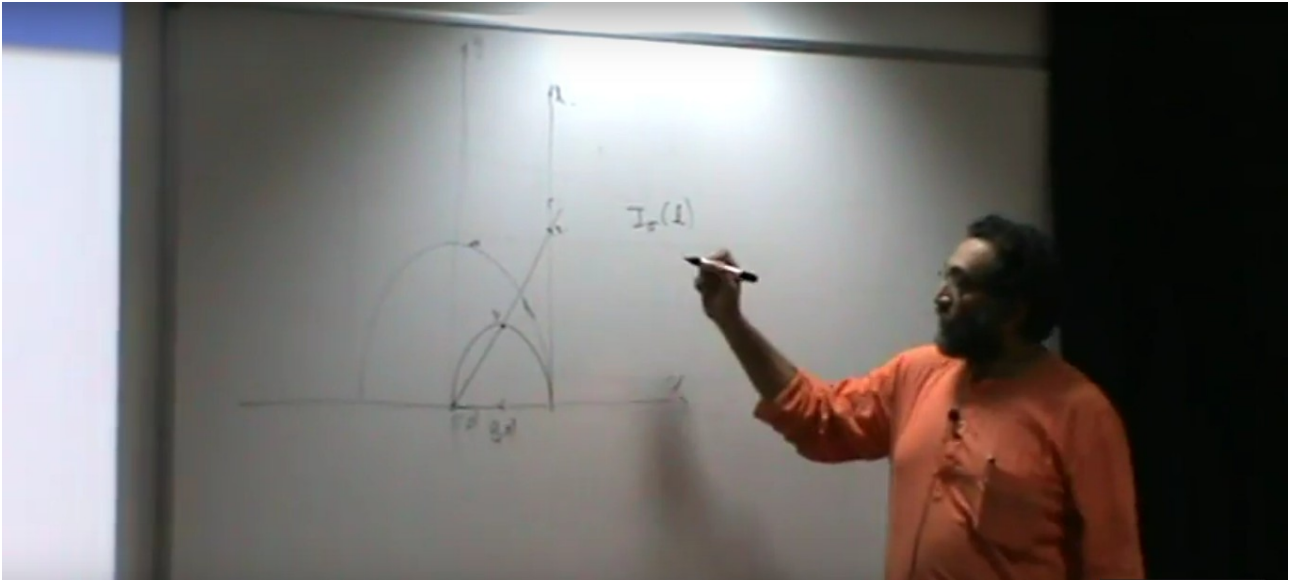
**Date: Wednesday, September 7, 2016
Time: 3:00 pm to 4:30 pm**

Venue: **V. G. Kulkarni Auditorium**
Homi Bhabha Centre for Science Education
V. N. Purav Marg, Near Anushaktinagar Bus Depot,
Mankhurd, Mumbai-400 088
Phone: (022) 2558 0036
Website: www.hbcse.tifr.res.in

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Infosys Award Function 2016

This is an annual event for which Infosys Foundation instituted awards to Indian medalists in the International Olympiads HBCSE, December 22, 2016.





Expository lecture by Prof. Mahan Mj., Tata Institute of Fundamental Research, Colaba. Infosys Awards Function to felicitate International Olympiad Medalists - 2016. Thursday, December 22, 2016. YouTube Links: <https://www.youtube.com/watch?v=BJIP4SUbzOo>, <https://www.youtube.com/watch?v=Af-OKS5I4IO>

National Science Day 2017

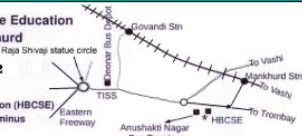
**Homi Bhabha Centre for Science Education
Tata Institute of Fundamental Research
National Science Day-2017
Open House- Date: 28th February, 2017**

Attractions of the Day!

- Exciting demonstrations in Science and Technology
- History of Science, Gender and Science
- Hands-on-minds-on- Mathematics
- Star Burst Planetarium
- Freedom software: Demo in the Knowledge Laboratory
- Physics, Chemistry, Biology Olympiad Experiments
- Glass Blowing Techniques
- Liquid Nitrogen Experiments
- Video shows, Book Exhibition and sale of Books & Scientific toys

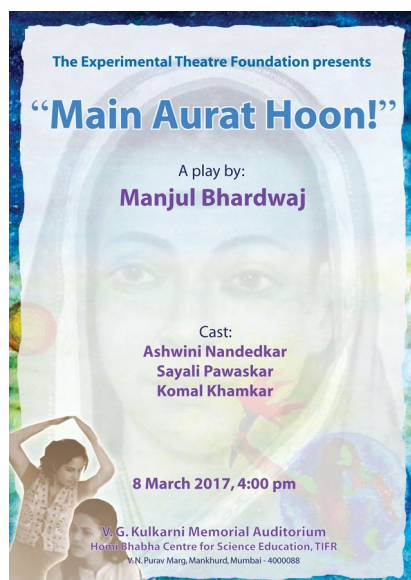
**Homi Bhabha Centre for Science Education (TIFR), V. N. Purav Road, Mankhurd Mumbai 400088
Tel: 022- 25072555, 25072102**





HBCSE has had an open day on National Science Day (NSD) for nearly 2 decades now. In 2017, the open house witnessed over 2200 visitors, which included students, teachers, teacher educators and parents. HBCSE, February 28, 2017

Play "Main aurat hoon" (directed by Manjul Bhardwaj, on International Women's Day, 2017), HBCSE, March 8, 2017



Public Lecture on Women in sciences as part of celebrations for International Women's Day

Corinne Manogue (Oregon State University, USA), Public lecture on women in sciences, HBCSE, March 16, 2017

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Tata Institute of Fundamental Research

PUBLIC LECTURE
Women in Sciences

For generations, there have been individual women who have pursued science, but only in the last generation has access to the sciences become a practical reality for many women. The number of women in sciences such as biology has increased dramatically, but in other fields, such as physics, the numbers remain discouragingly low. This talk will begin with a brief discussion of prominent women in the sciences in both India and the world and a look at the historical numbers of women in science. Then, I will reflect on my own experiences as a woman in physics during the generation of change. Finally, the audience will be asked to help develop a list of the causes of the continued low numbers of women in some fields.

Date: Thursday, March 16, 2017
Time: 5.00 pm

About the Speaker

Corinne A. Manogue has worked in fields of general relativity, mathematical physics, and physics education. She has a Ph.D from the University of Texas and is currently a professor of physics at Oregon State University. Her early research was on quantum field theory in curved space, including a treatment of rotating frames of reference. More recently, her work has focused on applications of octonions to the theory of fundamental particles. Since 1997, she has directed the Paradigms in Physics Project, a complete restructuring of the undergraduate physics major around several core "paradigms".

Prof. Corinne Manogue
Director of Paradigms in Physics Program
Oregon State University

Venue: V. G. Kulkarni Auditorium
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Why 'Whisper' when we can talk?, An awareness programme on the occasion of 'World Menstrual Hygiene Day', HBCSE, June 2, 2017

Demystifying Menstrual Taboos

Picture source: <http://menstrualhygienday.org>

<p>Biological aspects and social stigmas on menstruation <i>Anita Patil, Ex-Medical Social Worker, BARC Hospital</i></p>	<p>Socio-scientific issues and current scenario on menstrual awareness at the global level <i>Rohini Karandikar, Visiting Fellow, HBCSE</i></p>
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June 2, 2017 (Friday), V. G. Kulkarni Auditorium, HBCSE, 3:30pm

Vigyan Pratibha Launch:

Launch of Vigyan Pratibha Program in presense of Dr. Sekhar Basu, July 2017 HBCSE, July 31, 2017.

