The Indian Institute of Science was established in 1909, giving shape to the extraordinary vision of Jamsetji Nusserwanji Tata. The Institute is an enduring symbol of the very best in Indian scientific research and has assiduously maintained the highest standards of academic excellence, matching the best in the world.

The IISc Centenary Conference will be a memorable event, organized during December 13-16, 2008, to mark 100 illustrious years in science, technology, and innovation. It will be marked by several important events focusing on the Institute's contributions to fundamental and applied scientific research, its role in creating and nurturing scientific institutions, its place as a rich source of talented scientific manpower, and its future role in the Indian society with major aspirations to take its rightful place in the global order. The event will also sparkle with the reunion of IISc's alumni from all over the globe.
# Program Highlights

## INAUGURATION

**December 13, 2008, Saturday 3.00 - 5.30 P.M.**

The conference will be formally inaugurated with keynote talks by

- **C.N.R. Rao**  
  Chairman, SAC-PM and National Research Professor
- **A.P.J. Abdul Kalam**  
  Former President of India and Bharat Ratna

## CONFERENCE KEYNOTE TALKS

There will be a string of keynote talks by world class researchers, public luminaries, and industry leaders during the three days.

**December 14, 2008 Sunday**

- **Martin Rees**  
  President, Royal Society, London, UK
- **S. Ramadorai**  
  CEO and MD, Tata Consulting Services
- **Subra Suresh**  
  Dean of Engineering, MIT, Cambridge, MA, USA
- **Desmond Tutu**  
  Archbishop Emeritus of Cape Town, South Africa and Nobel Laureate in Peace, 1984

**December 15, 2008 Monday**

- **Sydney Brenner**  
  Molecular Sciences Institute, King's College, Cambridge, UK & Nobel Laureate in Medicine/Physiology, 2001
- **Arcot Ramachandran**  
  Chairman, Tata Energy Research Institute, New Delhi
- **Sam Pitroda**  
  Chairman, Knowledge Commission, New Delhi

**December 16, 2008 Tuesday**

- **Kiran Mazumdar Shaw**  
  Chairman and Managing Director, Biocon India
- **Eric S. Maskin**  
  Centre for Advanced Study, Princeton, NJ, USA and Nobel Laureate in Economic Sciences, 2007

## PANEL SESSIONS

There will be three panel sessions on important contemporary topics.

The panel sessions are coordinated by **G. Rangarajan**, IISe

### PANEL SESSION 1: December 14, 2008 Sunday

"India - A Knowledge Power: Opportunities and Challenges"

Chair: Goverdhan Mehta, CSIR Bhatnagar Fellow, IISe

Panelists
- **Vijay Chandru**, CEO, Mindtree Life Sciences, Bangalore
- **Ashok Kamat**, IIT-Madras, Chennai
- **Gretchen Kalonji**, Director of International Strategy Development, Office of the President, University of California System
- **Manju Sharma**, Former Secretary, Dept. of Biotechnology
- **K. R. Sreenivasan**, Director, International Centre for Theoretical Physics, Trieste, Italy
- **Kentero Toyama**, Microsoft Research India, Bangalore

#### PANEL SESSION 2: December 15, 2008 Monday

"Climate Change - An Indian Perspective"

Chair: J. Srinivasan, IISe

Panelists
- **Timothy Fidgert Flannery**, Chairman, Copenhagen Climate Council
- **Madhav Gadgil**, Agartala Research Institute, Pune
- **Sunita Narain**, Director, Centre for Science and Environment, New Delhi
- **Anand Parwathan**, IIT Bombay, Mumbai
- **Shyam Saran**, Special Envoy of the Prime Minister, GOI, New Delhi

#### PANEL SESSION 3: December 16, 2008 Tuesday

"Rediscovering IISe for the 21st Century"

Chair: N. Balakrishnan, Associate Director, IISe

Panelists
- **D. Balasubramanian**, Director of Research, I.V. Prasad Eye Institute, Hyderabad
- **M.K. Bhan**, Secretary, Department of Biotechnology, Govt. of India, New Delhi
- **S.K. Brahmacari**, Director General, CSIR, New Delhi
- **R. Chidambaram**, Principal Scientific Adviser, Govt. of India, New Delhi
- **Glyn Davis**, Vice Chancellor, University of Melbourne, Melbourne, Australia
- **M. Narain**, Scientific Adviser to Rashtrapati Bhavan, Govt. of India, New Delhi
- **T. Ramasami**, Secretary, Department of Science and Technology, Govt. of India, New Delhi
- **Raj Reddy**, Carnegie Mellon University, Pittsburgh, PENN, USA
INTER-DISCIPLINARY WORKSHOPS

There will be multiple workshops on emerging inter-disciplinary themes. The workshops are coordinated by Dipankar Chatterji and Rudra Pratap, both from the Indian Institute of Science. The workshops will be held in parallel during 2.15 to 5.30 PM on December 14, 2008 (Sunday). The workshops include:

- **Micro and Nano Technologies** - Coordinators: Nanakht Bhat, BSc and S. Sampath, BSc
- **Energy and Materials** - Coordinators: Ganapathi Ayappa, BSc and Vikram Jayaram, BSc
- **Integrative Biology** - Coordinators: Dipankar Chatterji, BSc and K. Muniyappa, BSc
- **Earth and Climate Sciences** - Coordinators: Kusala Rajendran, BSc and R. Sukumar, BSc
- **Intelligent Transportation** - Coordinators: H.S. Jamadagni, BSc and S. Mohan, BSc
- **Complex Systems and Networks** - Coordinators: Anurag Kumar, BSc and Y. Narahari, BSc
- **Sustainable Technologies & Technology Outreach** - Coordinators: S. Dasappa, BSc and Moust S. Mani, BSc

DIVISIONAL WORKSHOPS

There will be five workshops involving the five academic divisions of the Indian Institute of Science. The workshops will be held in parallel during 2.15 to 5.30 PM on December 15, 2008 (Monday). The workshops include:

- **Biological Sciences**
  Coordinator: D.N. Rao, BSc

- **Chemical Sciences**
  Coordinator: S. Chandrasekaran, BSc

- **Electrical Sciences**
  Coordinator: Anurag Kumar, BSc

- **Mechanical Sciences**
  Coordinator: J. Srinivasan, BSc

- **Physical and Mathematical Sciences**
  Coordinator: Rahul Pandit, BSc

ALUMNI DAY

December 13, 2008, Saturday, the first day of the conference will be celebrated as the Alumni Day. Alumni Events will be organized during the forenoon.

CULTURAL PROGRAMS

Two cultural programs will be held. The first of these would be on December 13, 2008 (Saturday) and will feature a Hindustani Santoor Recital by world renowned exponent Pandit Shivkumar Sharma.

The second cultural program will be held on December 15, 2008 (Monday) and will feature a Bharatanatyam Dance Recital by leading exponent Ms. Malavika Sarukkai.

PARTICIPATION OF EMINENT ALUMNI, ALUMNAE, AND EXPERTS

The inter-disciplinary workshops, divisional workshops, and all other events will utilize the expertise of leading scientists and technologists, and eminent alumni and alumnai, including:

- V.K. Aatre, Former Scientific Adviser to Babasahe Muni
- J.J. Irani, Director, Tata Sons
- G. Madhavan Nair, Chairman, Indian Space Research Organization
- R. Narasimha, Former Director, National Aerospace Laboratories
- G. Padmanabhan, Former Director, IISc
- P. Rama Rao, Former Secretary, Department of Science and Technology

SPECIAL EVENT ON "IISc: Past, Present, and Future"

This event will feature all the present and past directors, associate directors, and deputy directors of the Institute and will be coordinated by M.L. Munjal, BSc and S. Chandrasekaran, BSc

IISc SHOWCASE

Individual departments and centres of the Institute will showcase the achievements and perspectives of IISc through posters and other display material at the conference venue.

The IISc Showcase will be on display during December 13-16, 2008.
Patrons

- C.N.R. Rao, Chairman, SAC-PM and National Research Professor
- K. Kasturirangan, Chairman, IISc Council
- P. Balaram, Director, IISc

Conference Chairs

- N. Balakrishnan, Associate Director, IISc (Chair)
- M.L. Munjal (Co-Chair)

Core Program Committee

- M.L. Munjal (Chair)
- S. Mohan (Co-Chair)
- V. Nagaraja (Convener)
- Rahul Pandit (Co-Convener)
- Y. Narahari (Co-Convener)

Core Organizing Committee

- S. Chandrasekaran (Chair)
- K. Chattopadhyay (Co-Chair)
- Y. Narahari (Convener)
- V. Nagaraja (Co-Convener)
- B.S. Rajanikanth (Co-Convener)

Alumni Coordination

- S. Mohan, Chairman, Alumni Cell, IISc
- B. Dattaguru, President, IISc Alumni Association
- Ramakrishna Akella, USA
- Parveen Jain, USA

Registration Information

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Spouses accompanying delegates are required to pay 50 percent of the registration fee applicable to delegates. Banker’s cheque/DD drawn in favour of “The IISc Centenary Conference” payable at Bangalore is accepted along with filled in registration form available on the website.

Contact Information

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