

**INDIAN NATIONAL SCIENCE ACADEMY**  
**CONCLUDING FUNCTION OF THE PLATINUM JUBILEE**  
**DECEMBER 7-10, 2009**  
**Saha Institute of Nuclear Physics, Kolkata, India**

**PROGRAMME**

**7 December 2009 (Monday)**

11:00 – 12:00 Noon

Opening Function

National Anthem

- Presentation of bouquet to the dignitaries at dais
- Welcome Address by Prof. S Dattagupta, Chairman, LoC
- Address by Prof. M. Vijayan, President, INSA
- Address by the Governor of West Bengal
- Presentation of Memento to the Governor
- Release of INSA Publications by the President of India
- Address by President of India
- Presentation of Memento to the President of India
- Vote of Thanks by Prof. Milan Sanyal, Director, SINP, Kolkata

National Anthem

12:00 – 2:00 pm

Lunch

2:00 – 3:30 pm

**Keynote Addresses:**

**Chair:** Prof. A.K. Sharma (India)

° **Science and the world's future**

Prof. Bruce Alberts (USA)

° **Meeting the Challenges of the  
21<sup>st</sup> Century**

Prof. Y.T. Lee (China, Taipei)

° **INSA – Its History and Role in the  
Development of Science and Technology  
in India**

Prof. M.G.K. Menon (India)

3:30 – 4:00 pm

Tea

## Parallel Symposia

### Session-I

4:00 – 5:30 pm

#### **Symposium 1: Role of International Scientific Organizations and Programmes in the Emerging Global Scenario**

**Chair:** Prof. S.K. Brahmachari (India)

° **Development of Science and the Humanities through research Funding**

Prof. Matthias Kleiner (Germany)

° **Science in the 21<sup>st</sup> Century**

Prof. Reiko Kuroda, ICSU (Japan)

° **Seeing further: the contribution of Academies in the policy arena**

Prof. Lorna V Casselton (U.K)

° **Building STI Capacities in S&T-lagging Countries: The Role of TWAS and Partners**

Dr Mohamed HA Hassan, TWAS (Italy)

#### **Symposium 2: Role of National Academies in Education, Research and Science Policy**

**Chair:** Prof. A.K. Sood (India)

° **The role of national academies in education, research and science policy: The Australian Experience**

Prof. Kurt Lambeck (Australia)

° **Role of Science Academies in the promotion of public understanding of science**

Prof. Shamsher Ali (Bangladesh)

° **The Mission of Academia in the Science Age**

Prof. Yucel Kanpolat (Turkey)

° **The Idea of an Academy**

Prof. Sir Peter Lachmann (UK)

5:30 – 6:00 pm **Address** by Shri Prithviraj Chavan, Minister of State (IC) for S&T and Earth Sciences, Govt. of India

Dinner



2:00-2:45 pm

**Special Lecture: Renaissance of Science in Bengal, the Asiatic Society and INSA**  
Prof. Barun De (India)

**Chair:** Prof. A.K. Gupta (India)

2:45-3:15 pm

Tea

**Session -III**

3:15-5:30pm

**Parallel symposia (contd.)**

**Symposium 1**

**Chair:** Prof. T.P. Singh (India)

° **Preparing for a Really International Cooperation in Planetary Exploration**

Prof. Jacques Blamont (France)

° **The Joint Institute for Nuclear Research (Dubna, Russia): International Scientific Centre**

Prof. Vladimir Kadyshevsky (Russia)

° **India's Initiative in Mitigating Tsunami And Storm Surge Hazard**

Prof. Harsh K. Gupta (India)

° **Knowledge Systems Linked Exchanges between the 'Developing' and the 'Developed' World for a Sustainable Future: Role of Scientific Organizations and Programmes**

Prof. P.S Ramakrishnan (India)

**Symposium 2**

**Chair:** Prof. C.K. Dasgupta (India)

° **The Role of Royal Netherlands Academy of Arts and Sciences Between Basic and Applied Research**

Prof. Ed Noort (The Netherlands)

° **Role of National Academies in Education, Research and Science Policy & The Nepal Academy of Science and Technology**

Prof. Hom Nath Bhattarai (Nepal)

° **Some recent science education and policy initiatives of the Indian Science Academies**

Prof. N. Mukunda (India)

° **Enhancing Indian Women's Participation in Science and Technology**

Dr M.S. Bamji (India)

° **Position of Science in Slovakia Before and During Crisis**

Prof. J. Pastorek (Slovakia)

° **CAS' Vision and Mission in China's Innovation**

Prof. Tieniu Tan (China)

High Tea

Cultural Programme

**9 December 2009 (Wednesday)**

9:00-10:15 am Council Meeting (only for members)

Tea

10:30-12:30 pm **Symposium 3: A Collage of Science**

**Chair:** Dr. S. Varadarajan

° **Is there Room for Luck in the Early Years of One's Scientific Career?**

Prof. Jamshed Rustom Tata (UK)

° **Ramanujan and the Zeta Function**

Prof. M Ram Murty (Canada)

° **DNA Loops and Developmental Regulation**

Prof. Sankar L Adhya (USA)

° **Hepatitis E Virus: the Emergence of an International Disease**

Prof. Robert H. Purcell (USA)

° **High Temperature Superconductivity in the Cuprates: A Phenomenological Theory**

Prof. T.V. Ramakrishnan (India)

12:30-2:00 pm Lunch

2:00 pm onward **75<sup>th</sup> Anniversary General Meeting**

\* **Presidential address: Structural Biology of Lectins. The Science and a Slice of History**

Prof. M. Vijayan, President

Tea

\* **Greetings from sister Academies of India**

\* **Fellowship Induction Ceremony: Fellows Elected in 2009**

\* **Presentation of Awards to Young Scientist Medal Awardees (2009)**

**10 December 2009 (Thursday)**

**Award and special lectures**

9:30-12:30 pm **Chair:** Prof. M. Vijayan

° **P.M.S. Blackett Memorial Lecture on: Fungal Genetics: Past Triumphs and Current Challenges**

Prof. Lorna Casselton (U.K)

° **The Vishwakarma Medal Lecture : Delhi Metro – A Unique Management Style**

Dr E. Sreedharan (India)

° **Science Looks at Ayurveda**

Prof. M.S. Valiathan (India)

---

Lunch