

BOSE INSTITUTE

102ND

Foundation Day Celebration

30th November, 2018

PROGRAMME

Venue : Main Campus, 93/1, A. P. C. Road, Kolkata-700 009

- 11:00 –13:00 Garlanding the busts of Acharya J.C. Bose at Centenary Campus, Salt Lake Campus, Madhyamgram Campus and Darjeeling Campus
- 14:00 –14:15 Floral offerings at the Samadhi, Main Campus
- 14:30 –14:35 Invocation
- 14:35 –14:45 Reception of the Chairperson and the Speaker of the 80th Acharya J. C. Bose Memorial Lecture
- 14:45 –15:00 Welcome Address and Director's Report :
Prof. Sujoy Kr. Das Gupta, Director (Officiating), BI
- 15:00 –15:05 Introduction of Prof. T. V. Ramakrishnan, FRS
Speaker of the 80th Acharya J.C. Bose Memorial Lecture
- 15:05 –15:55 80th Acharya J. C. Bose Memorial Lecture
- 15:55 –16:00 Felicitation of Prof. T. V. Ramakrishnan, FRS
Prof. Indrani Bose
- 16:00 –16:10 Distribution of Sir Nilratan Sircar Prize,
Prof. B. B. Biswas Outstanding Student Award and
Prof. Shyamadas Chatterjee Outstanding Award
(in the area of Physical and Environmental Science)
- 16:15 –16:25 Chairperson's Address by Prof. Indrani Bose
- 16:25 –16:30 Vote of thanks
NATIONAL ANTHEM
- 16:30 –17:15 High Tea
- 17:30 –19:00 Cultural Programme

Past Lecturers

Rabindra Nath Tagore	: 1938	Prof. S.K. Mukherjee	: 1979
Prof. M.N. Saha	: 1939	Prof. Niharranjan Ray	: 1980
Prof. S. S. Bhatnagar	: 1940	Prof. Sukumar Sen	: 1981
Dr. J. C. Ghosh	: 1941	Prof. B.K. Bachhawat	: 1982
Sir Cyril S. Fox	: 1943	Swami Lokeshwarananda	: 1983
Dr. K.P. Biswas	: 1944	Prof. N.S. Subbarao	: 1984
Dr. P. Jarija	: 1945	Prof. R.C. Majumder	: 1985
Dr. S.K. Mitra	: 1946	Prof. C.N.R. Rao	: 1986
Dr. J. N. Mukherjee	: 1947	Prof. S. Chandrasekher	: 1987
Prof. K.N. Bhal	: 1948	Dr. A.P. Mitra	: 1988
Dr. K.C. Mehta	: 1949	Prof. O. Siddiqi	: 1989
Dr. S.K. Banerji	: 1950	Dr. S. R. Ramachandran	: 1990
Dr. P.C. Mahalanobis	: 1951	Prof. P.N. Tandon	: 1991
Prof. R.C. Majumder	: 1952	Prof. H. Sarat Chandra	: 1992
Dr. N.K. Bose	: 1953	Dr. U.R. Rao	: 1993
Prof. S.N. Bose	: 1954	Dr. S.Z. Qasim	: 1994
Dr. S.I. Hora	: 1955	Dr. P.K. Iyenger	: 1995
Dr. A.C. Ukil	: 1956	Dr. G. Padmanaban	: 1996
Dr. D.N. Wadia	: 1957	Prof. V. Ramalingaswami	: 1997
Dr. S. Radhakrishnan	: 1958	Prof. N.K. Ganguly	: 1998
Sir Jehangir Gandhi	: 1959	Dr. R.A. Mashelkar	: 1999
Dr. V.R. Khanolkar	: 1960	Prof. P. Balaram	: 2000
Dr. B.C. Guha	: 1961	Prof. Ramanath Kowsik	: 2001
Dr. D.N. Ramachandran	: 1962	Dr. Pushpa M. Bhargava	: 2002
Dr. S. Bhagavantam	: 1963	Prof. M. S. Valiathan	: 2003
Shri Asoke Mehta	: 1964	Prof. Asok Sen	: 2004
Prof. P. Maheshwari	: 1965	Prof. Rajesh Kochhar	: 2005
Dr. Atma Ram	: 1966	Prof. V. S. Ramamurthy	: 2006
Academician A.I. Oparin	: 1967	Swami Jitatananda	: 2007
Dr. B.D. Nag Chowdhuri	: 1968	Prof. F. P. Marconi	: 2008
Dr. Homi N. Seethna	: 1969	Prof. J. N. Mohanty	: 2009
Prof. Priyadarajan Ray	: 1970	Prof. André Bêteille	: 2010
Dr. N.K. Bose	: 1971	Swami Atmapriyananda	: 2011
Prof. S. Swaminathan	: 1972	Shri Gopal Krishna Gandhi	: 2012
Dr. A. Srinivasan	: 1973	Professor Mushirul Hasan	: 2013
Dr. A. Ramachandran	: 1974	Dr. Srikumar Banerjee	: 2014
Dr. B. Mukherjee	: 1975	Dr. T. Ramasami	: 2015
Prof. G.P. Talwar	: 1976	Prof. Raghavendra Gadagkar	: 2016
Dr. Raja Ramanna	: 1977	Prof. Ada Yonath	: 2017
Prof. (Mrs.) A. Chatterjee	: 1978		



BOSE INSTITUTE
KOLKATA



102ND

FOUNDATION DAY CELEBRATION

80TH

ACHARYA JAGADIS CHANDRA BOSE MEMORIAL LECTURE

30TH NOVEMBER 2018



Acharya Sir Jagadish Chandra Bose : Harbinger of Science in Today's India

Prof. T. V. Ramakrishnan, FRS

DST Year of Science Chair Professor
Distinguished Associate, IISc, Bangalore
Emeritus Professor, BHU, Varanasi

Abstract

J.C. Bose started modern science in India through his example. His discovery of microwave electromagnetic radiation is a complete example of great originality, perseverance under impossible odds and of the highest values of science. It is inspiring to all of us who came after. His pioneering exploration of communication in plants, illuminated by exquisite instrumentation and transcendental motivation, was decades ahead. It is a great honour to revisit these on the Foundation Day of the institution which enshrines his work and values.



BOSE INSTITUTE
KOLKATA

Director

and

Staff Members of Bose Institute
request the pleasure of your company at the

102nd Foundation Day Celebration

and

80th Acharya Jagadis Chandra Bose Memorial Lecture

by

Prof. T. V. Ramakrishnan, FRS

DST Year of Science Chair Professor
Distinguished Associate, IISc, Bangalore
Emeritus Professor, BHU, Varanasi

titled

**Acharya Sir Jagadish Chandra Bose :
Harbinger of Science in Today's India**

on

30th November, 2018 at 2.00 p.m.

Prof. Indrani Bose

CSIR Emeritus Scientist

has kindly consented to preside over the programme.

Venue : **Bose Institute**
Lecture Hall, 93/1, A P C Road
Kolkata 700 009

Prof. Sujoy Kr. Das Gupta
Director (Officiating)

About the Speaker



Professor T. (Tiruppattur) V. (Venkatachalamurti) Ramakrishnan is an internationally acclaimed and distinguished Indian physicist who has done pioneering work in several areas in condensed matter physics, including theory of liquid to solid transition, and the onset of spatial localization of electrons in disordered media.

Ramakrishnan earned his B.Sc. and M.Sc. degrees from Benaras Hindu University and PhD from Columbia University, New York, USA. He started his professional life at IIT Kanpur (1966-80), and then moved to the Indian Institute of Science (IISc), Bangalore, his professional base, from 1981 till 2003. After superannuation from there, he divides his time between the IISc (where he is a Distinguished Associate) and BHU (where he is Emeritus Professor as well as Institute Chair in IIT BHU). He is also a Lifetime Distinguished Professor of the University of Mysore.

Ramakrishnan has held visiting positions in a number of institutions abroad, e.g.: Princeton University (Visiting Professor); Bell Labs (Consultant); Institute of Theoretical Physics, University of California, Santa Barbara (Programme Coordinator); Cambridge University (Rothschild Visiting Professor and Visiting Fellow Commoner). He presently holds the position of the Year of Science Chair Professor of the DST. He is a Fellow of the Royal Society, London (2000) and a Foreign Associate of the Academie des Sciences, Paris (one of the only two such Associates from India).

Ramakrishnan's sustained efforts have been a crucial factor in world level activity in theoretical and experimental condensed matter physics taking root in and developing in the country. He was the Chief Editor and one of the main contributors to the Physics textbook for classes XI and XII commissioned by the NCERT and recommended in all (more than 15,000) CBSE affiliated schools. He was a member of the Science Advisory Council to the Prime Minister, 2005-2013. He was the President of the Indian Academy of Sciences, Bangalore (2004-2006), and Vice-President of the Indian National Science Academy, New Delhi (2000-2002).

Ramakrishnan is well recognized in the country. He is a Fellow of all the National Science Academies (Allahabad, Bangalore, New Delhi). He is an SS Bhatnagar awardee (1984). More recently, he has been given the Sri Hari Om Ashram Perit Senior Scientist Award (2014) and the GN Ramachandran award, SASTRA University, 2016. He has been awarded honorary doctorates by BHU, IIT Kanpur and the University of Calcutta. He is an Honorary Fellow of TIFR, Mumbai and IACS, Kolkata. He was honoured with the Padma Sri in 2001.