

INVITATION

DISTINGUISHED LECTURE

“In the wonderland of the Sensory world - A journey from Molecular brain to AI.”



Speaker

Prof. Ajoy Kumar Ray

Padma Shri , Former Director, IEST
Shibpur, Former Professor IIT,
Kharagpur and Director, JISIASR,
Kolkata

On:

March 19,2026
11 am to 1 pm

Venue:

Mini Auditorium
Science City, Kolkata



SIR J C BOSE TRUST

Acharya Bhaban

Science Heritage Gallery & Research Centre
J C Bose Science Heritage Museum
93 APC Road, Kolkata 700009



संस्कृति मंत्रालय
MINISTRY OF
CULTURE

Science City

A unit of
National Council of Science Museums
Ministry of Culture, Govt. of India
J.B.S. Haldane Avenue, Kolkata-700 046



PROGRAMME



10:30 am Registration

11:00 am Welcome Address

Prof. Parul Chakrabarti, Secretary & Trustee
Sir J C Bose Trust & Coordinator
of the Programme & the Museum

11: 10 am Convenor's address

Shri Pramod Grover
Director, Science City, Kolkata

11:20 am Academic Session

Chairperson

Prof. Joyoti Basu
INSA Honorary Scientist, Bose Institute

11:30 am Distinguished Lecture

*“In the wonderland of the Sensory world - A
journey from Molecular brain to AI”*

Prof. Ajoy Kumar Ray
Padma Shri , Former Director, IEST Shibpur
Former Professor IIT, Kharagpur and Director
JISIASR, Kolkata

12:30 pm Interactive session

12:40 pm Vote of Thanks



Prof. Ajoy Kumar Ray has just joined JIS Institute of Advanced Studies and Research as its Director, after his retirement as Professor of Electronics and Communication Engineering at IIT Kharagpur. He was on lien from IIT Kharagpur joined Bengal Engineering and Science University, Shibpur as its Vice Chancellor with effect from 01.03.2009, on lien. Prior to this assignment he was a Professor of Electronics and Electrical Communication Engineering and Head, School of Medical Science and Technology at IIT Kharagpur. Prof. Ray had his Bachelor's degree from Bengal Engineering College, Shibpur, followed by M.Tech and Ph.D from Electronics and Electrical Communication Engineering Department of IIT Kharagpur. He joined IIT Kharagpur as a Faculty in 1980.

Prof. Ray has successfully completed twenty research projects and several consultancy projects, sponsored by several agencies like Defence Research & Development Organization, Department of Atomic Energy, Department of Science and Technology, INDAL and so on. He was the Principal Investigator of research projects, sponsored by Intel Corporation during 1997 – 2004. During the course of this research project, he was the co inventor of six US patents jointly with Intel Corporation. Prof. Ray is the Chief Investigator of a Texas Instruments sponsored research project, being conducted at the School of Medical Science and Technology at IIT Kharagpur. As a part of this project, he, along with other team members have filed five USA patents jointly with Texas Instruments. Prof. Ray was associated with the University of Southampton as Senior Research Fellow during 1989-90 and led the research group on 'Image and Video Processing' of Avisere Inc., USA during 2004-2005.

He has published more than 160 research papers in International journals and Conferences and has authored five books published by International Publishing Houses, such as John Wiley, Tata McGraw Hill, Prentice Hall of India and Taylor and Francies Publication, including one in Chinese.

In addition, under his leadership, his group in the School of Medical Science and Technology has initiated a number of research projects on 'Molecular Imaging' and Image Processing, Medical Instrumentation, Early detection of oral, breast and cervical cancer, Coronary Artery disease detection, Epidemiological Studies and Bio Informatics, all of which are of national importance. Prof. Ray is the Fellow and Member of many professional bodies and is involved with a large number of Universities in their academic bodies. He has been serving a number of national committees on Higher Technical Education. He has been associated with Nehru Museum of Science and Technology, IIT Kharagpur as Secretary and Chairman from 1991 – 2006.