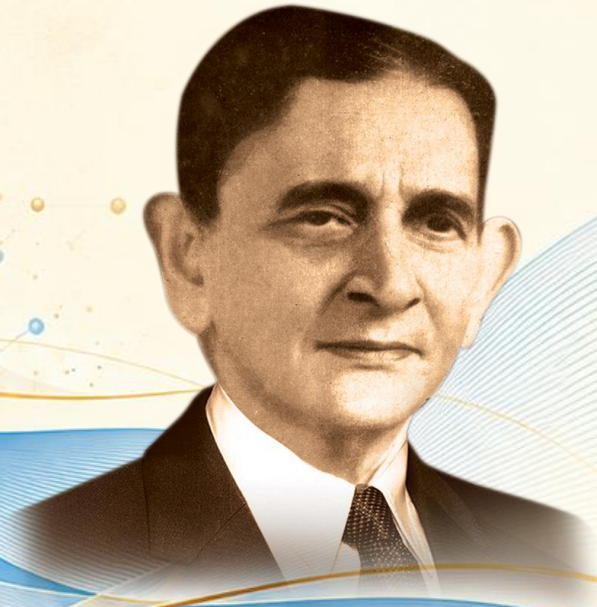
BOSE INSTITUTE

(AN AUTONOMOUS INSTITUTE UNDER
DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA)



D. M. BOSE MEMORIAL LECTURE-2026
142ND BIRTHDAY OF PROFESSOR DEBENDRA MOHAN BOSE

26 NOVEMBER 2026

BOSE INSTITUTE
KOLKATA

THE OBSERVANCE OF

142ND BIRTHDAY OF PROFESSOR DEBENDRA MOHAN BOSE

D. M. BOSE MEMORIAL LECTURE-2026



Prof. Kalobaran Maiti
Director
Indian Association for the Cultivation of Science, Kolkata

Prof. Maiti is a Senior Professor at TIFR (on lien) and Director at IACS Kolkata. He completed his BSc (topper in Physics 1989) at Presidency College Kolkata, MSc (topper in Physics 1991) at Calcutta University and PhD (1999) at IISc Bengaluru, where he won the Toulouse Medal for best thesis in the faculty of sciences as well as Academic Excellence Award. He is a leading scientist in the field of quantum materials and a pioneer in high-resolution (energy, momentum, spin, and time-resolved) electron spectroscopy. He built a unique high-resolution electron spectroscopy facility at TIFR, the first one in the country and comparable to the best few in the world. He contributed significantly in establishing big experimental facilities in India, played key roles in promoting bilateral programs and was awarded 'The Title of Honorary DAAD Advisor (2006 – 2009)' by the President of Germany for his outstanding commitment and leadership in promoting Indo-German relations in Education. He received many awards and recognitions throughout his career including the most prestigious Shanti Swarup Bhatnagar Prize, fellowship of all the three major science Academies (IASc, NASI, INSA) in India. Recently, Prof. Maiti won highly prestigious, Bernad Coqblin prize (2025) at SCES Canada for his pioneering contributions to correlated electron systems, including high-resolution electron spectroscopy facilities, novel probing methods for complex systems, advancements in quantum materials physics, and significant technology development in India, supporting researchers across institutes and universities.

BOSE INSTITUTE
KOLKATA

THE OBSERVANCE OF
142ND BIRTHDAY OF PROFESSOR DEBENDRA MOHAN BOSE

Director
Bose Institute
requests the pleasure of your company at the

D. M. BOSE MEMORIAL LECTURE-2026

Speaker
Prof. Kalobaran Maiti
Director
Indian Association for the Cultivation of Science, Kolkata

titled

Mass in Masslessness

on

26 November 2026 at 4.00 pm

Prof. Dipankar Home
NASI Honorary Scientist
Former Professor
Bose Institute, Kolkata

will preside over the programme

Venue:
Unified Academic Campus
Block EN, Plot No. 80, Sector-V
Bidhannagar
Kolkata - 700 091

Prof. Kaustuv Sanyal
Director
Bose Institute

BOSE INSTITUTE

KOLKATA

THE OBSERVANCE OF
142ND BIRTHDAY OF PROFESSOR DEBENDRA MOHAN BOSE
D. M. BOSE MEMORIAL LECTURE-2026

ABSTRACT

Mass in Masslessness

Electrons in materials manifest in diverse forms starting from being massless to as heavy as few 100 times of its own mass! Technological renaissance is often linked to discoveries in fundamental science involving materials engineering via dressing up electrons to different forms. In this talk, I will discuss some of the puzzling scenario in materials, masslessness of electrons and what happens if one tries to make them massive. Electron spectroscopy is a versatile tool based on photoelectric effect to probe the properties of electrons in materials. We will discuss how this technique uncovers the underlying science of exoticity in materials.

Programme Schedule:

03:30 pm – 03.55 pm	:	Faculty Meeting and Photo Session
03:55 pm – 04:00 pm	:	Introduction to the Speaker
04:00 pm – 05:15 pm	:	D. M. Bose Memorial Lecture-2026 by Prof. Kalobaran Maiti, Director, IACS
05:15 pm – 05.45 pm	:	High Tea
05:45 pm –	:	Cultural Programme