GOING TO SPACE TO OBSERVE THE SKY

Prof. Somak Raychaudhury
Director
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Traditionally the sky has been observed through optical telescopes, first with the eye, and then with the help of photographic and solid-state detectors. However, our atmosphere prevents most of the radiation, e.g. Infrared, Ultraviolet, X-rays and Gamma-rays and charged particles, from celestial sources, from reaching the Earth's surface. Early research by Professor D M Bose involved observing cosmic rays from Darjeeling and surroundings, and similar research on high-energy photons were carried out from aircraft and balloons. Now we have observatories in orbit. I will give an account of how some essential knowledge of the Universe cannot be observed from the ground, and needs to be accessed from observatories at high altitude, or in orbit, and what major challenges we face in observing from Space.

BOSE INSTITUTE
KOLKATA

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

D. M. Bose Memorial Lecture 2018

on

26th November, 2018 at 3.00 p.m.

on the occasion of the

134th Birthday of Prof. Debendra Mohan Bose

Speaker

Prof. Somak Raychaudhury
Director
Inter-University Centre for Astronomy and Astrophysics
Ganeshkhind, Post Bag 4, Puné 411 007

Titled

Going to Space to Observe the Sky

Prof. S. C. Roy
Member, National Commission of History of Science, INSA
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)

Prof. Somak Raychaudhury
Director
Inter-University Centre for Astronomy and Astrophysics
Ganeshkhind, Post Bag 4, Puné 411 007

Somak Raychaudhury is the Director of the Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune. He graduated from Presidency College, University of Calcutta, with further studies at University of Oxford, UK. After his PhD from the University of Cambridge, UK, he taught at Harvard University, USA, where he also was part of the team that built the Chandra X-Ray Observatory for NASA. After teaching for over a decade at the University of Birmingham, UK, he returned to India as Head of Physics and Dean of Sciences at Presidency University, Kolkata, before he became Director of IUCAA. His research involves a wide range of topics in observational Cosmology and Astrophysics.

D. M. Bose Memorial Lecture 2018

134TH BIRTHDAY CELEBRATION OF PROF. DEBENDRA MOHAN BOSE

26th November, 2018

Bose Institute
Kolkata