Bose Colloquium

S. N. Bose National Centre for Basic Sciences
(An Autonomous Research Institute established under DST, GOI)

Title: India's first Solar Space observatory: Aditya L1

Abstract:

Aditya-L1 is a satellite dedicated to the comprehensive study of the Sun and is the first observatory class solar mission from the Indian Space Research organization. On September 02, 2023, at 11.50 hrs, the Polar Satellite Launch Vehicle (PSLV-C57) successfully launched the Aditya-L1 spacecraft, from the Second Launch Pad of Satish Dhawan Space Centre (SDSC), Sriharikota. With a combination of four remote sensing and 3 insitu instruments covering multi-wavelength, it provides a unique opportunity to have joint observations with other co temporal missions. I will provide an overview of the scientific objectives and a quick summary update on the status of the mission.

Speaker: Prof. Dipankar Banerjee

Director, Aryabhatta Research Institute of Observational Sciences (ARIES), Nainital

Short Biography of the Speaker:

Prof. Dipankar Banerjee is currently the Director of the Aryabhatta Research Institute of Observational Sciences (ARIES), Nainital. He is an astrophysicist with a bachelor's degree in physics (St. Xavier's college) and master's degree in Theoretical Physics from University of Kolkata. He has obtained his PhD from Indian Institute of Astrophysics and completed two postdoctoral tenures in reputed institutions in Europe. He is also a senior professor at the Indian Institute of Astrophysics.

Dr. Banerjee's area of interest is the Sun and the solar atmosphere. His work involves theoretical and numerical modeling using data from ground and space-based instruments. His work has enriched our understanding of the Sun and its impact on Space Weather.

He is the co-chair of the Science working group of the "Aditya" mission. Aditya is the first dedicated Indian mission to study the Sun, launched by ISRO on 2nd September 2023. He is also involved with NASA's PUNCH mission. He is fellow of the Indian Academy of Sciences and National Science Academy and currently the President of the Astronomical Society of India.

Dr. Banerjee has more than 140 peer-reviewed publications with around 3300 Citations in international journals. He is currently supervising 5 Phd students while 15 of his students have completed their PhDs.

Apart from his scientific career, Dr. Banerjee has interest in various other activities. He is trained in Hindustani vocal and part of a Bengali theatre group, Smarannik and regularly performs in plays, participating in national and international theatre festivals. Dr. Banerjee's love for science and zest for life are infectious.

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4.00 PM

At Silver Jubilee Hall

YouTube Link

Webinar Link