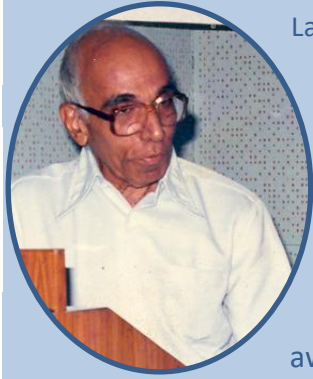




आईआईटीएम की 50वीं 'प्रो. आर. अनंतकृष्णन' वार्ता IITM's 'Prof. R. Ananthakrishnan' Colloquium (50th)



Late Prof. R. Ananthakrishnan (Ex-Director and Honorary Fellow of IITM, Pune) started his research carrier as a research scholar in the field of light scattering under the guidance of Nobel Laureate Prof. C.V. Raman and was awarded D.Sc. in 1937 from

University of Madras. Then he joined IMD and occupied several positions up to DDG and then he worked as Director IITM during 1968-1971. He was awarded Padmashree by President of India in 1969 and Nobel Laureate Prof. C.V. Raman Centenary Medal in 1988. He was elected as an INSA Fellow in 1961 and was also member of many learned and professional societies like (Indian Academy of Sciences, Maharashtra Academy of Sciences). He was associated with many technical committees and working groups of WMO Geneva. He was editor of reputed national and international journals in Meteorology.

Prof. R. Ananthakrishnan was deeply associated in organizing and teaching M.Sc./M.Tech. Courses in Meteorology at University of Cochin and University of Pune. Under his able guidance 12 persons were awarded Ph.D.

Research contribution of Prof. R. Ananthakrishnan covers wide range topics viz. Light Scattering and Raman Effect, Solar Physics and Meteor Astronomy and Meteorology. In the field of Meteorology he covers: Aerology, Dynamics, Thermodynamics, Monsoon Circulation, Tracks of Storms and Depressions. Atmospheric pressure and oscillations, Indian Rainfall and features associated with onset of southwest monsoon and identification of errors in upper air data. To meet defense needs he organized the publications entitled 'Climatology of Himalayas, Tibet and adjoining areas'. There are 110 national/international (research papers/technical contributions) papers to his credit and a book entitled 'An introduction to Meteorology'. This text book is found to be extremely useful to all the new comers in the field of meteorology. Prof. R. Ananthakrishnan pursued his research and guidance in atmospheric science even after his retirement as an Honorary Fellow of IITM till his last days.



Dr. Bishakhdatta Gayen

Title of the Talk: **"The dominant role of convection and turbulence in the ocean: a new understanding of the global ocean circulation"**

Dr. Gayen received a degree in Bachelor of Mechanical Engineering from Jadavpur University, Kolkata in 2006, and M.Sc. degree from the JNCASR, Bangalore, in 2007. He was then awarded a University of California Graduate Fellowship and received an M.S. (2010) and Ph.D. (2012) from UC San Diego. He is currently A/Professor in CAOS, IISc and an Australian Research Council (ARC) Future Fellow and Associate Professor in the Mechanical Engineering Dept., University of Melbourne. Dr Gayen is highly recognised internationally for his cross-disciplinary research across fluid dynamics, environmental engineering, and climate processes by addressing the fundamental physical mechanisms. His research includes the development of the first-ever ocean models with fully resolved turbulent convection and boundary layer processes, which provides important new insights to the role played in global ocean circulation by convection below the sea surface in polar seas as well as melting of Antarctic ice-shelves. He was awarded the Andreas Acrivos Award (for Outstanding Dissertation in Fluid Dynamics) from the American Physical Society (2013), Discovery Earlier Career Research Award from ARC (2014), R/L Hawke Fellowship from The Australian Antarctic Division (2017) and recently, the John Booker Medal from the Australian Academy of Science (2021).

<https://youtube.com/live/B7KOcLXAiE?feature=share>

Date: 12th December 2023, 1530 hrs.
Venue: Varahamihira Hall, IITM