



# IITM's 'Prof. R. Ananthakrishnan' Colloquium



## Late Prof. R. Ananthakrishnan

(Ex-Director and Honorary Fellow of IITM, Pune started his research career as a research scholar in the field of light scattering under the guidance of noble 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 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. Ananthakrishnan was deeply associated in organizing and teaching Msc./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 a wide range of topics viz. Light scattering and Raman Effect, Solar Physics and Meteor Astronomy and Meteorology. In the field Meteorology his work 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 textbook is found to be extremely useful to all the new comers in the field of meteorology. Prof. R. Ananthakrishnan pursued his research and guided researchers in atmospheric science even after his retirement as an honorary fellow of IITM till his last days.



Dr. Nils P. Wedi

## Title of the Talk: "A baseline for global weather and climate simulations at 1 km resolution"

Brief Introduction: **Dr Nils P. Wedi** joined European Centre for Medium Range Weather Forecast (ECMWF) in 1995. He received his PhD degree from the Ludwig-Maximilians-Universität München. His career at ECMWF encapsulates a diverse range of work both technical and scientific. He has been a Principal Scientist since 2010 and is the Head of Earth System Modelling at ECMWF that addresses all aspects of scientific and computational performance relating to ECMWF's forecast model and the ensemble forecasting system. He develops strategies to secure the scalability of the model on future high-performance computing systems. He is the scientific coordinator of the European H2020 project ESCAPE to address the challenges of rising energy cost for computing towards affordable, exascale high performance simulations of weather and climate, and he is a member of the WMO working group on numerical experimentation (WGNE)

**Date: 11<sup>th</sup> November 2020, 1530 hrs**

**<https://youtu.be/BoErPNvpsTQ>**