

Title : "LOWER ATMOSPHERIC RESEARCH ACTIVITIES AT UKZN, DURBAN"

Prof. Sivakumar Venkataraman, University of KwaZulu-Natal

Date & Time: 9 January 2018, Tuesday at 11:30 am Venue: Varahamihira Hall

Abstract:

In the present context of global changes, atmospheric and climatic research should be more organized in the framework of international collaborations and research networks. During recent years, the importance of systematic monitoring of the atmospheric structure, dynamics and composition has been confirmed by numerous satellite and surface observations. Over Southern Africa and the neighbouring oceanic regions of the Indian Ocean, these regional impacts are influenced by dynamical variability and play an important role in global climate change. The quantitative characterization of the anthropogenic regional factors and their relative climatic impact are still uncertain. Compared to developed regions of the northern hemisphere, the tropical and austral regions of the southern hemisphere are poorly documented even though they are important components of the global atmosphere. Thus, it is important to understand the structure and dynamics of the atmosphere (especially in Southern Africa). The present talk cover the overview of atmospheric research team activity at UKZN, Durban and showcase some of the recent results from LiDAR, aerosol and cloud interactions, Calbuco volcanic eruptions and satellite observations, etc.