

# Physics Colloquium

## Michigan Technological University

Thursday November 6, 2014

4:00PM Fisher Hall 139

**Status of air quality over developing country with special reference to Indo-Gangetic plain:  
current policies and future air quality**

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### ABSTRACT:



Growth of human urbanization has been very closely related with growth of power production. Energy consumption has been considered as criteria of becoming a developed. The blind craze of development has caused release of different-different gaseous and particulate species into the environment and hence causing air pollution which is worsening the health status, damaging the environmental systems and changing the climatic conditions severely of both developing and developed countries. The cities of developing country are reported to be highly polluted and suffering a lot. Indo-Gangetic plain which hosts 40% of Indian population is experiencing very drastic change in the climate: hot and longer period of summer, short but extremely cold in winter, reduced rain in monsoon, unpredicted flood and droughts, number of epidemic and endemic diseases and high pollution load in the last few decades. The particulate matter level is many fold higher than WHO, USEPA, and EU PAQ standards. Even it is higher than National Ambient Air Quality Standards (NAAQS) of India. Efforts are going on to make control strategy and for its execution. Here, level and identification of the pollutants and species will be discussed and formulation strategy and its implications on future air quality will be shared.

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