

**Physical Research Laboratory  
Ahmedabad**

***Space & Atmospheric Sciences Division***

**Division Seminar**

**Title: “Synoptic features of fine and coarse mode aerosols over an urban region”**

**Speaker: Atar Singh Pipal**

**Date: 17 July 2017**

**Venue: Ground Floor Lecture Hall**

**Time: 16:00 hrs**

**Highlight of the talk:**

Aerosols are an important component of the Earth's atmosphere which plays a significant role in influencing the air quality and climate on regional and global scales. Aerosols influence directly the Earth-atmosphere radiation budget by scattering and absorbing incoming solar and outgoing long wave radiation. In the seminar I will discuss the results obtained from a year-long measurement of aerosol size distribution (0.253-9.575  $\mu\text{m}$  radius) on diurnal, monthly and seasonal basis, and their fine and coarse fractions over Ahmedabad. Details of measurement techniques and data analysis will be presented in the talk. The results obtained will be compared with those obtained at other urban locations and inferences will be drawn.

**All interested are welcome.**