

Physical Research Laboratory

Ahmedabad

Space & Atmospheric Sciences Division

Division Seminar

Title: “Waves in the Earth’s atmosphere”

Speaker: Subir Mandal

Date: 24 April 2017

Venue: Ground Floor Lecture Hall

Time: 16:00 hrs

Highlight of the talk:

Various kinds of waves and oscillations are present in the Earth’s atmosphere. Atmospheric waves are of different spatial and temporal scales, and are in general, generated in lower atmosphere. They carry energy and momentum from their source regions as they propagate to upper atmospheric altitudes. The breaking of waves is associated with release of energy in the background atmosphere, and hence the waves in Earth’s atmosphere play a crucial role in the coupling processes of different atmospheric regions. A broad introduction of different types of waves and their characteristic properties will be given. Observations of such wave features (mainly gravity waves) on different atmospheric parameters (e.g., temperature, wind, neutral and plasma densities, etc.) will be presented.

All interested are welcome.