

Seminar

The Interplay of Vorticity, Buoyancy, Particle Inertia and Phase Change in Cloud-flows

S Ravichandran

TCIS, Hyderabad

The fluid mechanics of clouds is governed by the interactions of buoyancy, particle inertia and phase change amongst themselves and with turbulence. We look at several of these interactions in isolation to understand them better. We then also show how they can all come together. We find that the role of strong vortices--the building blocks of turbulence--is crucial in these interactions.

Thursday, Dec 15th 2016

1:30 PM (Tea/Coffee at 1:15 PM)

Seminar Hall, TCIS