

## **Inter-Group Meeting IITB-IITH-TCIS**

This meeting will consist of talks by people belonging to the groups of Krishnendu Sinha(IITB), Kirti Chandra Sahu(IITH) and Rama Govindarajan(TCIS). The talks and the structure will be informal, with in-depth discussions

**Venue:** TCIS Conference Hall

**Breaks for Coffee/Tea:** 10:30 – 11:00 am  
4:00 – 4:30 pm

**Breaks for lunch:** 1:00 – 2:00 pm

### **Day 1 Thursday, January 3, 2013**

09:30 - 10:30	Yogesh, IIT Bombay	Interaction of a shock wave with weak disturbances
11:00 - 12:00	Prasanna Rani, IIT Hyderabad	3D displacement flow using LBM
12:00 - 13:00	Russell, IIT Bombay	Basics of shock turbulence interaction
14:00 – 15:00	Jose, TCIS	Tutorial: Non-modal stability applied to flows
15:00 - 16:00	Manoj, IIT Hyderabad	Hadamard flow
16:30 - 17:30	Mamta, TCIS	On global instabilities of spatially developing channel flows

### **Day 2 Friday, January 4, 2013**

09:30 - 10:30	Ashwin, IIT Bombay	Linear Inviscid Analysis applied to evolution of temperature fluctuations across shock.
11:00 - 12:00	Palash, IIT Bombay	Evolution of temperature fluctuations across a shock wave
12:00 - 13:00	Croor, TCIS	Effects of particle inertia on cloud lifetimes
14:00 - 15:00	Pinakinarayan, IIT Hyderabad	Pressure-driven displacement flow of non-Newtonian fluid by a Newtonian fluid
15:00 - 16:00	Jose, TCIS	Transient growth in stratified flows
16:30 - 17:30	Bijaylakshmi, IIT Bombay	Basics of non-equilibrium thermo-chemistry in high temperature flows