

Lectures on fluid mechanics, statistical physics and nonlinear dynamics*
HRI - 27-28 March 2017

27th March

- **10.00 AM:** Debshankar Ray (IACS) - Entropic transport in confined geometry.
- **11.30 AM:** Sriram Ramaswamy (IISc) - Pressure and tension in momentum-conserving active fluids.
- **2.00 PM:** Sagar Chakraborty (IITK) - Strict physical chaos in evolutionary game theory.
- **3.30 PM:** J. K. Bhattacharjee (HRI) - Scaling law for the turbulent energy transfer in a density stratified fluid: Kolmogorov or Bolgiano-Obukhov?

28th March

- **10.00 AM:** Rahul Pandit (IISc) - Two-dimensional turbulence: fluids, conducting fluids, superfluids, fluids with particles ..
- **11.30 AM:** Sanjay Jain (DU) - Deterministic and stochastic dynamics of growing-dividing cells.
- **2.00 PM:** Shiraz Minwalla (TIFR) - Duality, scattering and RG flows for non-abelian anyons.
- **3.30 PM:** Sanjay Mittal (IITK) - Experimental and computational investigation of the intermittent nature of laminar separation bubble in flow past bluff bodies.

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Lectures will be held in the **HRI auditorium**.