

Tuesday

09:00 – 09:45 Keynote Lecture

Speaker: **Gallavotti, Giovanni**; Universita` di Roma, La Sapienza, Italy.

Title: Statistical ensembles out of equilibrium: the turbulence case

09:45 – 10:05

Speaker: **Dubrulle, Berengere**; CEA Saclay, France.

Title: Irreversibility and singularities

10:05 – 10:25

Speaker: **Cencini, Massimo**; Istituto dei Sistemi Complessi -CNR, Italy.

Title: Time irreversibility in reversible and irreversible shell models of turbulence

10:25 – 10:45

Speaker: **Ray, Samriddhi S.**; ICTS-TIFR, India.

Title: Many-body chaos in a thermalised fluid

10:45 – 11:15

Tea/Coffee break

11:15 – 11:35

Speaker: **Verma, Mahendra K.**; IIT Kanpur, India.

Title: Variable energy flux in turbulence

11:35 – 11:55

Speaker: **Alexakis, Alexandros**; ENS Paris, France.

Title: Energy fluxes in quasi-equilibrium flows

11:55 – 12:15

Speaker: **Herbert, Corentin**; CNRS - ENS de Lyon, France.

Title: Abrupt transition in atmospheric jets through Reynolds stress resonance

12:15 – 12:35

Speaker: **Perlekar, Prasad**; TIFR Hyderabad.

Title: Pseudo-turbulence in three-dimensional buoyancy driven bubbly flows

12:35 – 14:00

Lunch @ Conference venue

14:00 – 14:30

Speaker: **Falkovich, Gregory**; Weizmann Institute of Science, Israel.

Title: No weak turbulence for old men.

14:30 – 14:50

Speaker: **Chevillard, Laurent**; ENS de Lyon and CNRS, France.

Title: On the stochastic modeling of Lagrangian velocity and acceleration in turbulent flows

14:50 – 15:10

Speaker: **Kumar, Krishna**; Indian Institute of Technology Kharagpur, India.

Title: Features of turbulent magnetoconvection in nanofluids

15:10 – 15:20

Free time

15:20 – 15:40

Speaker: **Petrelis, Francois**; Ecole Normale Supérieure, France.

Title: Growth rate distribution and intermittency in kinematic turbulent dynamos: Which moment predicts the dynamo onset?

15:40 – 16:00

Speaker: **Bouchet, Freddy**; ENS de Lyon and CNRS, France.

Title: Rare transitions in barotropic and baroclinic turbulence

16:00 – 16:30

Tea/Coffee break

16:30 – 17:30 Special Lecture

Speaker: **Newell, Alan**; University of Arizona, USA.

Title: Wave turbulence: Open challenges
