

Modalités:

Dates: du Lundi 4 Mai 2015 au Mardi 5 Mai 2015

Lieu: Institut Jean Le Rond d'Alembert, UPMC, Paris

Programme:

Monday 4/5

09h20 **Introduction**

Claude Cambon .

LMFA, École centrale de Lyon, Écully

09h30 **A new spectral model for shear-driven flows**

Vincent Mons .

IJLRA, Paris

10h00 **Passive scalar and cospectrum in homogeneous isotropic turbulence**

Antoine Briard .

IJLRA, Paris

10h30 **Break**

10h45 **Challenging mix models on transients to self-similarity of unstably stratified homogeneous turbulence**

Benoît-Joseph Gréa .

CEA, near Paris

11h15 **The N S f approach, in engineering, geophysics and astrophysics**

Fabien Godefert .

LMFA, École centrale de Lyon, Écully

12h00 **Lunch**

14h30 **Lagrangian intermittency and quantum mechanics analogy**

Laurent Nottale et *Thierry Lehner* .

LUTH, Observatoire de Meudon

15h00 **Break**

15h30 **Wave turbulence in vibrating**

Christian Josserand .

IJLRA, Paris

16h00 **Eulerian models for DNS and LES relying on kinetic-based moments methods**

Marc Massot .

IJLRA, Paris

Tuesday 51/5

09h00 **Scaling law of thermal convection induced by heated particles**

Rémi Zamanski .

IMFT, Toulouse

09h30 **The streamwise turbulence intensity in the inertial layer of a pipe channel flow**

J. Christos Vassilicos .

Imperial College, London

10h00 **On the role of big eddies for the control of dissipation**

Pierre Sagaut .

M2P2, AMU, Marseille

10h30 **Break**

10h45 **On the role of big eddies for the control of dissipation**

Stéphanie Zaleski et Yue Stanley Ling .

IJLRA, Paris

11h15 **Dynamics of streamwise vortices in an axisymmetric mixing layer under excitation**

Laurent Jacquin et Romain Courtier .

ONERA, DAFE, Paris

11h45 **ROUND TABLE, and closure discussion 'future for advanced turbulence modelling?'**

Antoine Llor , Laurent Jacquin et Pierre Sagaut .

animators