

**NewTURB MEETING**  
**July 18, 2016**  
**SALA GRASSANO DEPT. PHYSICS - UNIVERSITY OF ROME TOR VERGATA**

9.30:10.00 Energy fluxes, scale energy and turbulent separation  
**C.M. Casciola** (University of Rome Sapienza)

10.00:10.30 Turbulence modification by inertial particles  
**P. Gualtieri** (University of Rome Sapienza)

**10.30:11.00 Coffee**

11.00:11.30 Droplets & Emulsions: Dynamics & Rheology with LBM  
**M.Sbragaglia** (University of Rome Tor Vergata)

11.30:12.00 On the effects of Helicity in Turbulence  
**G. Sahoo** (University of Rome Tor Vergata)

12.00:12.30 Rotating Rayleigh Benard Convection  
**R Verzicco** (University of Rome Tor Vergata)

**12.30:14.00 Lunch**

14.00:14.30 Optimum transport and exact coherent states: the Rayleigh-Bénard example  
**F. Waleffe** (University of Wisconsin, Madison)

14.30:15.00 Minimal Models for Precipitating, Turbulent Convection  
**L. Smith** (University of Wisconsin, Madison)

15.00:15.30 Waves and extreme events: from atmospheric to quantum flows  
**P. Clark di Leoni** (University of Buenos Aires)

**15.30:16.00 Coffee**

16.00:16.30 Recent advances in multiphase flow simulation with Lattice Boltzmann pseudo-potential approaches  
**G. Falcucci** (University of Rome Tor Vergata)

16.30:17.00 Emodynamics of Biologic and Mechanical heart valves  
**V. Meschini** (GSSI L'Aquila)