

Workshop on Mathematical and Computational Problems of Incompressible Fluid Dynamics

IMPA, Rio de Janeiro, August 10 – 11, 2018

Room 228

Hour	Friday, 10		Hour	Saturday, 11	
10:20 - 11:00	S e s s i o n 1	Rodrigo M. Pereira (UFPE) <i>A multifractal model for the velocity gradients dynamics in turbulent flows</i>	09:00 - 09:40	S e s s i o n 4	Giovani L. Vasconcelos (UFPR) <i>Emergence of skewed non-Gaussian distributions of velocity increments in turbulence</i>
11:00 - 11:40		Simon Thalabard (IMPA) <i>Turbulence of generalized flows in two-dimensions</i>	09:40 - 10:20		Helena Nussenzeig Lopes (UFRJ) <i>Vorticity measures and the limit of vanishing viscosity in the presence of boundaries</i>
12:00-14:00	Lunch		10:20 - 11:00	Break	
14:00 - 14:40	S e s s i o n 2	Marie Farge (ENS) <i>Energy dissipation caused by boundary layer instability at vanishing viscosity. Part I</i>	11:00 - 11:40	S e s s i o n 5	Andre Nachbin (IMPA) <i>Walking droplets correlated at a distance</i>
14:40 - 15:20		Kai Schneider (Aix-Marseille Université) <i>Energy dissipation caused by boundary layer instability at vanishing viscosity. Part II</i>	11:40 - 12:20		Alexei A. Mailybaev (IMPA) <i>Explosive ripple instability due to incipient wave breaking</i>
15:20 - 16:00	Break				
16:00 - 16:40	S e s s i o n 3	Ciro S. Campolina (IMPA) <i>Chaotic blowup in the 3D incompressible Euler equations on a logarithmic lattice</i>			
16:40 - 17:20		Luca Moriconi (UFRJ) <i>The Onset of Intermittency in Stochastic Burgers Hydrodynamics</i>			