

Colloque “Physique des phénomènes extrêmes”, Nice 25-26/11/2013

Programme

	25/11/13	26/11/13
8h30	Accueil	
9h30	Frédéric DIAS <i>Extreme waves: their observation and their generation</i>	Yan KAGAN <i>Earthquakes : models, statistics, testable forecast</i>
10h30	Holger HOMANN <i>Turbulence as experienced by a fluid element</i>	Isabelle MANIGHETTI <i>When geology questions a few common beliefs on earthquakes: a help to better understand their physics?</i>
10h50	Café	Café
11h30	Pavel KUZHIR <i>Separation of magnetic nanoclusters: application to water purification Jorge</i>	Elisabeth LEMAIRE <i>Rheology and microstructure of concentrated granular suspensions</i>
11h50	Alessandro MORBIDELLI <i>Extreme phenomena in the process of Earth formation</i>	Didier CLAMOND <i>Extreme gravity waves in the laboratory and in situ</i>
12h10	TREDICCE <i>How a crisis is responsible of an extreme event</i>	Alexandre CHEMENDA <i>Catastrophic rupture of geological structures as a result of progressive material damage and fracturing</i>
12h30	Déjeuner	Déjeuner
13h30	Discussions	Discussions
14h00	Jean-Michel RAIMOND <i>Atoms and cavities : an extreme situation for matter-field coupling</i>	Stephan FAUVE <i>Reversals of a large scale field over turbulent background</i>
15h00	Bruce GENDRE <i>The Science of Gamma-Ray Bursts: caution, extreme physics at play</i>	Dario VINCENZI <i>Fluctuations and intermittency in turbulent transport</i>
15h20	Patrizia VIGNOLO <i>Large-momentum tails in the Tonks-Girardeau gas</i>	Denis TALAY <i>Stochastic approaches for extreme phenomena: theoretical tools, numerical challenges, applications.</i>
15h40	Café	Café
16h00	Michael GHIL <i>Extreme events : dynamics, statistics and prediction</i>	Hugo TOUCHETTE <i>Large deviation theory : from mathematics to physics and back</i>
17h00	Discussions	Discussions
18h00	Fin session	Fin colloque