

## MC32: Scale-invariant dynamics in dissipative systems

Organisateurs : O. Ramos, J. Barés, K. Martens,

**Vendredi 26 août – 8h30- 12h00**

**8:30 - 9:00** Can we mimic earthquakes physics in the lab?

**INVITÉ** J. Weiss  
*ISTerre, Grenoble, France. jerome.weiss@univ-grenoble-alpes.fr*

**MC32-1**

**9:00 - 9:15** Répliques dans une faille sismique de laboratoire : mémoire en temps ou mémoire en déformation ?

**MC32-2**

**A. Mathey**, D. Houdoux, J. Crassous and A. Amon  
*Institut de Physique de Rennes, France. ambroise.mathey@univ-rennes1.fr*

**9:15 - 9:30** Machine Learning analysis of LabQuakes time series

**MC32-3**

**L. Combe**, V. Levy dit Vehel, O. Ramos and O. Cochet-Escartin  
*Institut Lumière Matière, Lyon, France. louis.combe@univ-lyon1.fr*

**9:30 - 10:00** Rare events and disorder control the brittle yielding of amorphous solids

**INVITÉ** L. Berthier  
*Laboratoire Charles Coulomb, Montpellier, France. ludovic.berthier@umontpellier.fr*

**MC32-4**

**10h00-10h30** Coffee break

**10:30 - 11:00** Irreversibility transition in mesoscopic models under cyclic shear

**INVITÉ** Damien Vandembroucq  
*Laboratoire PMMH, ESPCI, France. damienvdb@pmmh.espci.fr*

**MC32-5**

<b>11:00 - 11:15</b>	<b>The Fate of Shear-Oscillated Amorphous Solids</b>
<b>MC32-6</b>	C. Liu, <b>E. E. Ferrero</b> , E. A. Jagla, K. Martens, A. Rosso, and L. Talon <i>LPS, École Normale Supérieure, Paris, France.</i> <i>Instituto de Nanociencia y Nanotecnología, Centro Atómico Bariloche, Argentina.</i> <i>Instituto Balseiro, Centro Atómico Bariloche, Argentina.</i> <i>Laboratoire LIPhy, Grenoble, France.</i> <i>Laboratoire LPTMS, Orsay, France.</i> <i>Laboratoire FAST, Orsay, France. ferrero@cab.cnea.gov.ar</i>
<b>11:15 - 11:30</b>	<b>Dense granular flows on inclined planes</b>
<b>MC32-7</b>	<b>H. Bonneau</b> , D. Dumont, T. Salez, E. Raphaël, P. Damman <i>Laboratoire Gulliver, ESPCI, Paris, France.</i> <i>Laboratoire Interfaces &amp; Fluides Complexes, Université de Mons, Mons, Belgium.</i> <i>Laboratoire LOMA, Bordeaux, France. Haggai.Bonneau@espci.fr</i>
<b>11:30 - 11:45</b>	<b>Acoustic probing and triggering of labquakes in sheared granular layers</b>
<b>MC32-8</b>	<b>X. Jia</b> , G. Zhou, P. Derand, J. Zheng, and A. Tourin <i>Institut Langevin, ESPCI Paris, PSL University, CNRS, Paris.</i> <i>School of Physics and Astronomy, Shanghai Jiao-Tong University, Shanghai, China.</i> <i>xiaoping.jia@espci.fr</i>
<b>11:45 – 12:00</b>	<b>Some challenges and open questions in scale-invariant avalanches</b>
<b>MC32-9</b>	<b>O. Ramos</b> <i>Institut Lumière Matière, Lyon, France. osvanny.ramos@univ-lyon1.fr</i>

## Posters

<b>MC32-10</b>	<b>Improving earthquake forecasting using GPS data</b>
	<b>V. M. Schimmenti</b> , G. Petrillo, F. Landes, and A. Rosso <i>Laboratoire LPTMS, CNRS – Univ. Paris-Saclay, Orsay, France.</i> <i>Laboratoire LISN, CNRS- INRIA – Univ. Paris-Saclay, Orsay, France.</i> <i>Institute of Statistical Mathematics, Tokyo, Japan.</i> <i>vincenzo.schimmenti@universite-paris-saclay.fr</i>