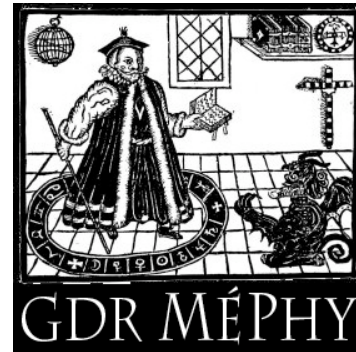


# Systemes à 3 phases

## 3 phase systems

March 28th, 2022

Meeting at Institut Henri Poincaré (Paris) and on-line



9:30-9:50 : *Accueil*

9:50-10:00 : Elise LORENCEAU & Philippe CLAUDIN  
*Introduction*

10:00-10:15 : Thomas BONOMETTI  
*Collapse of a liquid-saturated granular column*

10:15-10:30 : Sylvain JOUBAUD  
*Bubble rise dynamics in confined granular suspensions*

10:30-10:45 : Stéphanie DEBOEUF  
*Wet granular flows over a rough incline*

10:45-11:00 : Xiaoping JIA  
*Acoustic probing and triggering of shear instability in wet granular media*

11:00-11:30 : *Coffee break*

11:30-11:45 : Pierre JOP  
*Impact of grains on a wet aggregate*

11:45-12:00 : Elsa BAYART  
*Immersed granular cracks*

12:00-12:15 : Armando MAESTRO  
*Tailoring the interfacial assembly and the mechanical response of colloidal nanoparticle systems*

12:15-12:30 : Oscar LOPEZ-PAMIES  
*Elastomers filled with liquid inclusions: theory, numerical implementation, and some basic results*

12:30-14:00 : *Lunch*

14:00-14:15 : Aurélie HOURLIER-FARGETTE  
*Assemblies of bubbles and elastic slender structures*

14:15-14:30 : Florence ELIAS  
*The fate of micro-algae in a liquid foam*

**14:30-14:45** : Jonathan LALIEU

*Rheology of a granular raft*

**14:45-15:00** : Nabil RETAILLEAU

*Influence of liquid pressure on granular soap films*

**15:00-15:15** : Micheline ABBAS

*A model for the relaxation of concentrated layers of colloidal particles near phase transition*

**15:15-15:30** : Léa DELANCE

*Uptake kinetics of spontaneously emulsified microdroplets at an air interface*

**15:30-16:00** : *Coffee break*

**16:00-16:15** : Henri LHUISSIER

*Fragmentation of a suspension jet*

**16:15-16:30** : Stéphane SANTUCCI

*Capillary washboarding during the slow drainage of a frictional fluid*

**16:30-16:45** : Marie LE MERRER

*Setting of mineral foam: reaction kinetics vs mechanics*

**16:45-17:00** : Alain POCHEAU

*Solidification of colloidal suspensions : experiments and modeling*

**17:00-17:15** : Lila SÉGUY

*Freezing hydrogels*

**17:15-17:30** : Christophe RAUFASTE

*Frost propagation on breath figures*

Web site of the meeting: [blog.espci.fr/mephy/3phases/](http://blog.espci.fr/mephy/3phases/)

Organising committee: Elise LORENCEAU & Philippe CLAUDIN

