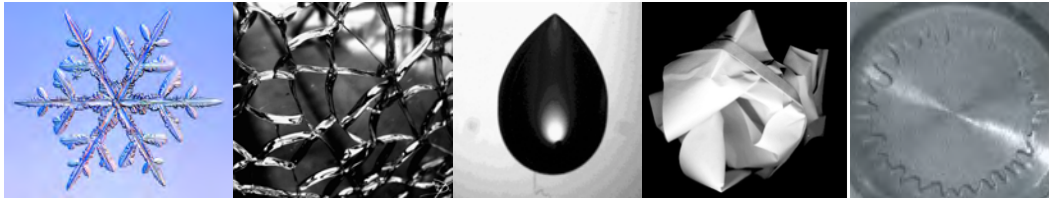


Morphogenesis

Following the footsteps of Martine Ben Amar

Paris, March 17th 2015



Satellite meeting of the "18^{ème} Rencontre du Non Linéaire"
 March 17th-19th 2015

Université Paris Diderot, amphithéâtre Buffon, 15 rue Hélène Brion, 75013 Paris

Program

- 08:45-09:00 – **Arezki Boudaoud** (Lyon) *Opening*
 09:00-09:25 – **Anne-Marie Cazabat** (Paris) *Evaporating droplets*
 09:25-09:50 – **Yves Couder** (Paris) *Experiments with history or memory effects*
 09:50-10:15 – **Linda Cummings** (Newark) *Instabilities in downslope flow of nematic liquid crystal*

10:15-10:45 – Break

- 10:45-11:10 – **Yves Pomeau** (Tucson) *Theory of ice-skating*
 11:10-11:35 – **Elisabeth Bouchaud** (Paris) *Fracture of a polymer gel: rate-dependent phenomena and large deformations disentangled*
 11:35-12:00 – **James Rice** (Harvard) *Thermo-mechanics and hydrology at Antarctic ice stream margins*
 12:00-12:25 – **Martine Ben Amar** (Paris) *TBA*

12:25-14:00 – Buffet Lunch

- 14:00-14:25 – **Gaetano Napoli** (Lecce) *Discontinuous buckling of confined elastic thin films*
 14:25-14:50 – **Raymond Goldstein** (Cambridge) *Instability of a Mobius strip minimal surface and a link with systolic geometry*
 14:50-15:15 – **Alain Goriely** (Oxford) *Some brain mechanics: edema and damage propagation*

15:15-15:45 – Break

- 15:45-16:10 – **Vincent Hakim** (Paris) *Synaptic domains as diffusion-controlled structures*
 16:10-16:35 – **Pedro Patricio** (Lisbon) *Viscoelastic models for cellular tissues*
 16:35-17:00 – **Michel Labouesse** (Paris) *Forces that change the shape of a multicellular embryo*
 17:00-17:25 – **Jacques Prost** (Paris) *Reflexions on tissue modelling*
 17:25-17:40 – **Mokhtar Adda-Bedia** (Paris) *Closing*

