

# Avalanches and Rupture Phenomena



**On February, the 3<sup>rd</sup> and 4<sup>th</sup>**

**INRIA Nancy Grand Est**

**Building A - Room A 008**

**Chair : Madalina Deaconu**

---

## Tuesday, February the 3<sup>rd</sup>

---

- 10:30 – 11:00      Registration, Welcome coffee
- 11:00 – 11:50      **Didier Bresch** – *Avalanches : Mixture and/or non-newtonian PDEs ?*
- 12:15 – 13:45      Lunch and informal discussions
- 14:00 – 14:50      **Oana Lupascu** – *Branching processes for the fragmentation equation: applications to avalanches*
- 15:00 – 15:50      **Thierry Goudon** – *Simulation of non homogeneous flows and application to powder snow avalanches*
- 16:00 – 16:30      Coffee Break
- 16:30 – 17:20      **Nicolas Eckert** – *Snow avalanche long term risk assessment*

---

## Wednesday, February the 4th

---

- 09:30 – 10:20      **Ioan R. Ionescu** – *Shallow viscoplastic modeling of dense avalanches : from the onset to the dynamic flow*
- 10:30 – 11:00      **Coffee Break**
- 11:00 – 11:50      **Cesar Vera** - *'New Methods in Snow Avalanche Modelling'*
- 12:15 – 13:45      **Lunch and informal discussions**
- 14:00 – 14:50      **Anne Mangeney** – *How seismic waves can be used to constrain dynamics and rheology*
- 15:00 – 15:50      **Mikhail Lebyodkin** - *Avalanche phenomena in crystal plasticity*
- 15:50 – 16:20      **Coffee Break**
- 16:20 – 17:10      **Round table talks**