

## Denis Dumont, PhD Student

University of Mons  
Interfaces and Complex Fluids Laboratory

20, Place du Parc  
B-7000 Mons, Belgium

Phone : +32/65.37.38.26  
Email : denis.dumont@umons.ac.be

## Education

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- 2018 - Present **Ph.D. in Sciences**, University of Mons (Belgium), InFluX Lab.  
*Rheology of Granular Matter*, Supervisor : Dr. Pascal Damman
- 2015 - 2018 **Master Degree in Physics**, University of Mons (Belgium)  
Master Thesis : *Study of the static and dynamic behavior of granular and granular chains*

## Distinctions and Awards

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October 2018 **FRIA-FNRS PhD Grant**, Belgian National Fund for Fundamental Research (FRS-FNRS)

## Publications (peer-reviewed)

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1. D. Dumont, M. Houze, P. Rambach, T. Salez, S. Patinet, P. Damman, **Emergent Strain Stiffening in Interlocked Granular Chains**, Phys. Rev. Lett. 120, 088001 (2018).
2. D. Dumont, P. Soulard, T. Salez, E. Raphaël, P. Damman, **Microscopic Picture of Erosion and Sedimentation Processes in Dense Granular Flows**, Phys. Rev. Lett. 125, 208002 (2020).

## Scientific Communications

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### Oral Presentations

March 2019 **APS March Meeting** (Boston, USA)  
July 2018 **European Solid Mechanics Conference** (Bologna, Italy)  
May 2018 **PIRM VI** (Tangier, Morocco)  
March 2018 **APS March Meeting** (Los Angeles, USA)

### Poster Presentations

August 2018 **Solvay Workshop : Mechanics of Slender Structures** (Brussels, Belgium)

### Popularization

March 2018 **Printemps des Sciences Conference** (Mons, Belgium)  
March 2017 **Printemps des Sciences Workshop** (Mons, Belgium)

## Scientific Visitings

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Juillet 2019 **E. Raphaël - ESPCI, Gulliver** (Paris, France)  
November 2017 **T. Salez - University of Bordeaux, LOMA** (Bordeaux, France)  
April 2017 **T. Salez - ESPCI, Gulliver** (Paris, France)