

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

- 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

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

Publications (peer-reviewed)

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

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

- 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)

Teaching

2019 - present Practical work of thermodynamics course: Introduction to Monte Carlo Methods