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Laboratoire PMMH
10 rue Vauquelin, 75231 Paris Cedex 05



Séminaire PMMH

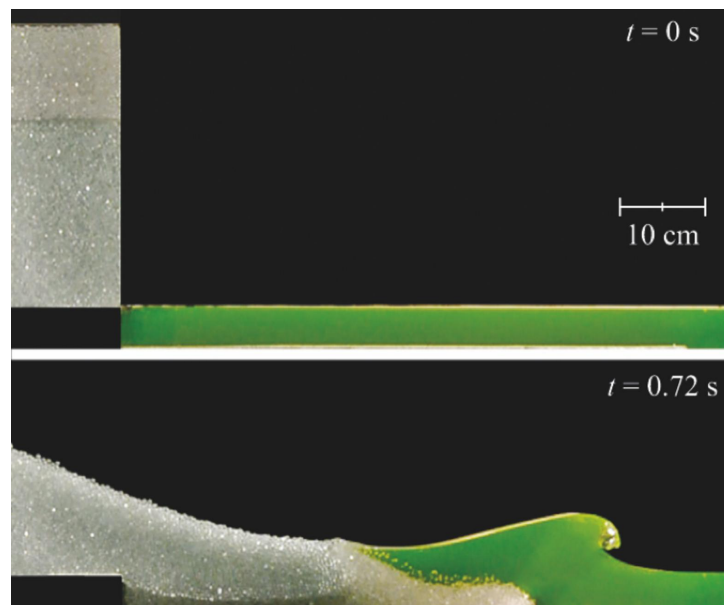
Vendredi 30 avril 2021, 11h00-12h00

Philippe Gondret

FAST - Université Paris-Saclay

Tsunami generation by landslides : From laboratory experiments to geophysical events

Tsunami waves can arise from significant geological events such as the collapse of a mountain flank or a volcano into a lake or an ocean. We reproduce this situation at the laboratory scale. The landslide is modeled by the sudden release of a rectangular granular column, which then impacts a still water layer and generates a wave. Through experiments varying both the column dimensions and the initial water height, different regimes of nonlinear waves of different shapes are observed.



Prochain séminaire : vendredi 7 mai 2021, Julien Tailleur (MSC, Univ. de Paris)
Programme des séminaires : www.pmmh.espci.fr, onglet *Séminaires PMMH*
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