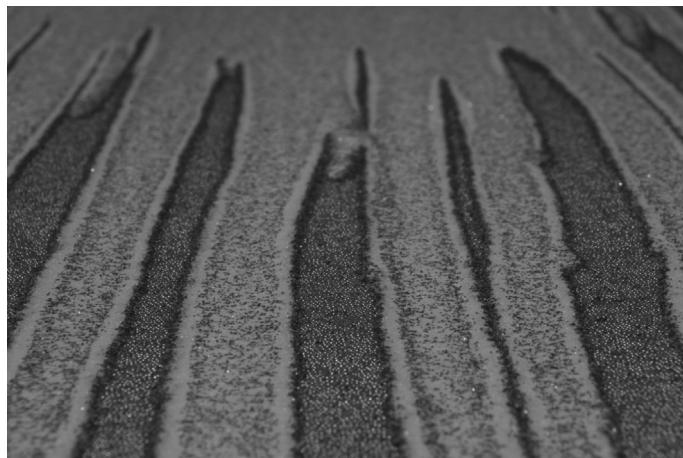


# COMPTES RENDUS

# PHYSIQUE

Tome 16 (2015) – N° 1



Leveed and fingered deposit of a bi-disperse mixture of spherical (white) glass ballotini (75–150 µm) and irregular (brown) corborundum grains (315–350 µm) on a chute inclined at 27° and made of a monolayer of (turquoise) glass ballotini (750–1000 µm). The photo shows an oblique head-on view, with the depth of field used to give an impression of distance; regions far away or close to the camera are out of focus. The flow direction is from top to bottom. Each finger consists of a coarse-rich (brown) levee on either side, lined with an almost pure layer of more mobile fines (white). This relatively low friction channel lining is progressively revealed as the channel flow (speckled in centre) drains down and stops. This flow self-organization significantly enhances the run-out; the formation of fingers and lateral levees prevents the flow from spreading laterally while the fines lining in the channel reduces basal friction ([video](#)). For further details, see J.M.N.T. Gray et al., this issue, pp. 73–85.

## DOSSIER

### Granular physics / Physique des milieux granulaires

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• Granular physics <b>Alexandre Valance, Michel Louge</b> .....	1
• Modeling force transmission in granular materials <b>Farhang Radjai</b> .....	3
• Jamming in granular materials <b>Robert P. Behringer</b> .....	10
• Strain localisation in granular media <b>Jacques Desrues, Edward Andò</b> .....	26
• Slow granular flows: The dominant role of tiny fluctuations <b>Martin van Hecke</b> .....	37

*Continued on the next page*

*Contents (continued)*

• Precursors and triggering mechanisms of granular avalanches <b>Renaud Delannay, Mickaël Duranteau, Vincent Tournat</b> .....	45
• Kinetic theory for sheared granular flows <b>Viswanathan Kumaran</b> .....	51
• Rheological properties of dense granular flows <b>Pierre Jop</b> .....	62
• Particle-size segregation in dense granular avalanches <b>John Mark Nicholas Timm Gray, Parmesh Gajjar, Peter Kokelaar</b> .....	73
• Debris flows: Experiments and modelling <b>Barbara Turnbull, Elisabeth T. Bowman, Jim N. McElwaine</b> .....	86
• The structure of powder snow avalanches <b>Betty Sovilla, Jim N. McElwaine, Michel Y. Louge</b> .....	97
• The physics of Aeolian sand transport <b>Alexandre Valance, Keld Rømer Rasmussen, Ahmed Ould El Moctar, Pascal Dupont</b> .....	105
• Dune morphodynamics <b>Sylvain Courrech du Pont</b> .....	118