

THESIS-2022

Two-phase modeling for Sediment dynamics

5th symposium on particulate
geophysical flows

Les Houches, France
June 6-10, 2022



Hosted by University of Grenoble Alpes
LEGI and INRAE/ETNA



Synopsis

Sediment transport controls the morphology of rivers, estuaries and coastal oceans. It is by nature a two-phase problem in which fine grain-scale processes such as collisions, segregation, or enduring contacts and turbulent-particle interactions locally control particle transport. Particulate geophysical flows is a truly multi-scale phenomenon with length-scales ranging from the submillimeter of a sand grain to the kilometer scale of a river section. This question of scale will be central in the workshop with the aim to foster the transfer of the most recent advances on the understanding/modeling of these fine processes and to establish clear research perspectives for the near future.

Venue

Les Houches School of Physics
in Les Houches, France
<https://www.houches-school-physics.com/>



Keynote Talks

Prof. O. Pouliquen, University of Aix-Marseille
Prof. M. Uhlmann, Karlsruhe Institute of Technology
Prof. N. Gray, University of Manchester
Prof. E. Lajeunesse, Institut de Physique du Globe Paris
Dr Ir S. Naqshband, Wageningen University & Research

Organizers

Assoc. Prof. J. Chauchat, LEGI, Univ. Grenoble-Alpes
Prof. D. Hurther, LEGI, CNRS-Univ. Grenoble-Alpes
Dr. Ir P. Frey, ETNA, INRAE
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Symposium Website

For more information please visit:

<http://www.legi.grenoble-inp.fr/web/spip.php?article1175>

Registration Fee

Regular registration 650€
Student registration 450€

Registration fees include housing and food

Key Dates

December 17, 2022: Abstract submission
February 11, 2022: Abstract acceptance
March 11, 2022: Extended abstract submission
April 6, 2022: Early registration deadline*

* Registration fees increase by 25% after this date