



Du
12
DÉC.
2016
au
13
DÉC.
2016

08h00
-
18h00

TOUT PUBLIC

Numerical Modeling of Liquid-Vapor Interfaces in Fluid Flows

Institut Henri Poincaré
Amphi Hermite
11 Rue Pierre et Marie Curie, 75005 Paris, France

INSCRIPTION

Flows with liquid-vapor transfer occur at many different scales in the atmosphere as well as in many industrial processes. It would be interesting to have a general review of the topic before focusing on the simpler geometry involving a single liquid-vapor interface. An objective of the workshop will be to discuss the relative merits and to compare different numerical methods (if the single liquid-vapor interface is still too complex, the comparison could be made on a liquid-gas interface without mass transfer). It could be also interesting to find clear-cut problems in order to make quantitative comparisons between different models or with experimental results.

The registration is free of charge but mandatory. Lunch and coffee break will be offered.

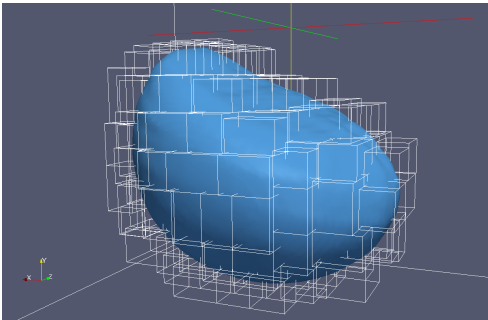
URL de la page : <https://www.ihp.fr/fr/agenda/numerical-modeling-liquid-vapor-interfaces-fluid-flows>

Where : [Institut Henri Poincaré, Paris, France \(map here\)](#).

When : december 12-13, 2016.

Program (pdf) : [see here](#) .

Registration : [see here](#) .

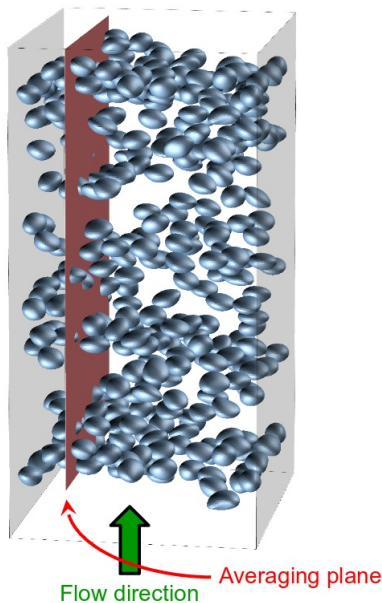


A 3D bubble with Adaptive Mesh Refinement

(A. Talpaert - CEA Paris-Saclay)

Invited speakers :

- Marie Béchereau (Ecole normale supérieure de Cachan, Paris-Saclay)
- Guillaume Bois (CEA Paris-Saclay)
- Hélène Mathis (Université de Nantes)
- Richard Saurel (Université d'Aix-Marseille)
- Arthur Talpaert (CEA et Ecole Polytechnique, Paris-Saclay)
- Laurette Tuckerman (Ecole Supérieure de Physique et de Chimie Industrielle de Paris)
- Stéphane Zaleski (Université Pierre et Marie Curie, Paris)



3D bubbles with averaging plane



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HORAIRES

L'institut :

- lundi au vendredi de 8h30 à 18h,
- fermé les jours fériés.

Le musée - Maison Poincaré :

- lundi, mardi, jeudi et vendredi de 9h30 à 17h30,
- samedi de 10h à 18h,
- fermé le mercredi et le dimanche.