



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.**

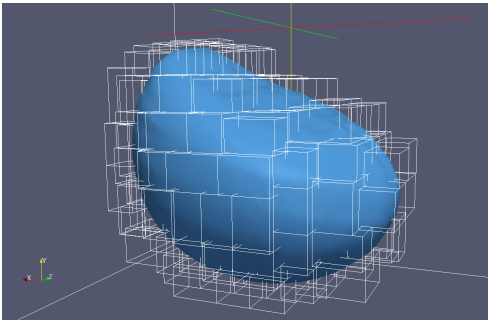
URL de la page : <https://www.ihp.fr/fr/agenda/numerical-modeling-liquid-vapor-interfaces-fluid-flows>

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

**When** : december 12-13, 2016.

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

**Registration** : [see here](#) .

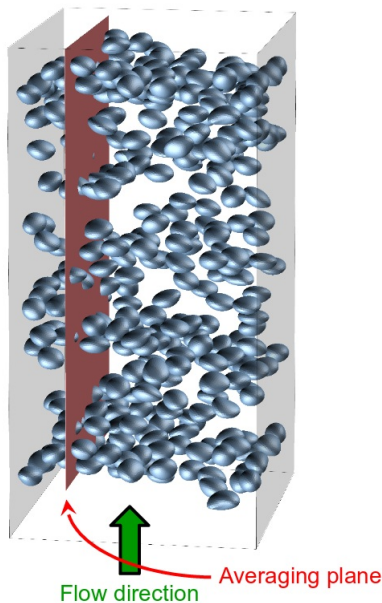


A 3D bubble with Adaptive Mesh Refinement

(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



## **INSTITUT HENRI POINCARÉ - UAR839**

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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.