

## International Scientific Committee

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- Blondeaux, P. (University of Genova, Italy)
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- Nguyen, K.D (Laboratory for Hydraulics Saint-Venant, France)
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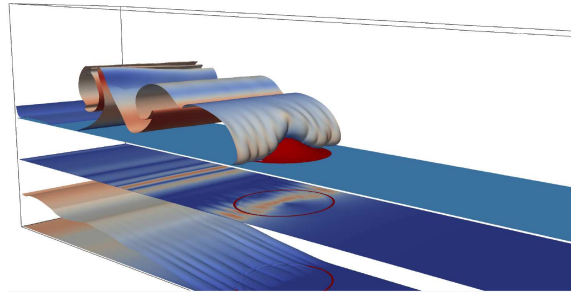
### Keynote Lectures

- ✚ Elghobashi. S, (University of California, Irvine, USA)
- ✚ Meiburg. E (University of California Santa Barbara, USA)
- ✚ Guazzelli. E, (Polytech' Marseille, France)
- ✚ Fukuoka. S, (Chuo University, Japan)

### Local Organising Committee

- K.D. Nguyen (*Lab. St. Venant*)
- M. Benoit (*EDF - Lab. St Venant*)
- S. Guillou (*University of Caen, France*)
- N. Sheibani (*SHF*)
- J.G Philipps (*SHF*)
- D. Pham Van Bang (*Lab. St Venant*)

### Workshop language is English



### Venue:

The THESIS-2013 will be held at the site of the **Electricité de France Research & Development (EDF R&D)**

#### 6 Quai Watier 78400 Chatou

(Parisian Region). This site is located at 14 km from Paris, in the Island of Impressionists on the Seine River

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#### SOCIETE HYDROTECHNIQUE DE FRANCE

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### Registration fees:

430 € : normal participants;  
345 € : AIHR, SHF, AFM & academic members;  
200 € : Ph.D. students ;

By Check to SHF or by Bank transfer

Online: [www.shf-hydro.org](http://www.shf-hydro.org)



# THESIS 2013

## CALL FOR ABSTRACTS

## Two-phase modelling for Sediment dynamics

*Symposium on Two-phase  
Modelling for Sediment Dynamics  
in Geophysical Flows*

Chatou (France)  
**June 10-12, 2013**

## Symposium Objectives:

Sediment transport is a key research issue to many geophysical applications: sediment deposition and re-suspension processes in rivers and estuaries, morphological evolution of waterways and coastal zones, formation and displacement of turbidity maxima in estuaries, impacts of sediment drainage, breaching process in dyke- and dam-break flows, etc. In this research field, two-phase approaches have been more and more developed since they describe the physical processes responsible for sediment transport more realistically than a single-phase approach.

*The THESIS-2013 (Symposium on Two-phase Modelling for Sediment dynamics in Geophysical Flows) has the following objectives:*

1. To establish a forum for discussing and exchanging experience and knowledge within the international research community for developing two-phase approaches applicable to sediment dynamics in geophysical flows;
2. To review the state-of-the-art of the two-phase approach for sediment dynamics;
3. To promote international cooperation in this research domain.

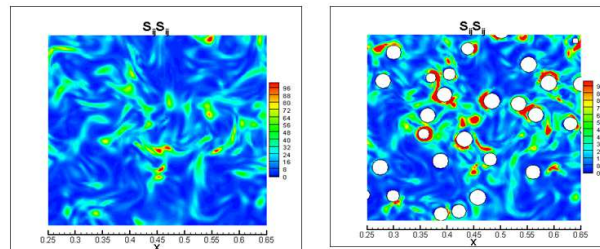


## Symposium topics:

- Fundamentals (physical processes, mathematical formulations and parameterisation)
- Two-phase flow modelling (numerical techniques, turbulence modelling)
- Experimental techniques in laboratories and in the field
- Environmental applications: Sheet flows, highly concentrated flows, landslide/debris flows, Internal flows (erosion around pipelines and hydraulic sluices) and groundwater flows (porous media), Nutrient/contaminants transported by sediments, Vegetated channels, riverbank restoration, Breaching processes in dyke-overlap and dyke-break flows

## Form and size of the symposium:

- Opening to the international community (under patronage of SHF and IAHR)
- Presentation forms: Oral and posters
- Six plenary key-lectures
- Duration: **3 days** with plenary and parallel sessions



## Symposium Perspectives:

- Promote a THESIS Community for sediment transport research by two-phase approaches. The activities of such Community would include knowledge exchange, experiences and finding; preparing proposals for new national and international research programmes
- Proceedings of the conference are a CD-ROM containing the extended abstract (4 pages paper).
- Excellent papers presented in the workshop will be selected for submission as full papers for review and eventual publication in the journal "Advances in Water Resources"

## Important deadlines:

- ◆ **15 decembre 2012**: abstract submission
- ◆ **15 february 2013**: abstract acceptance

### Abstract submission:

Abstracts (between 200 and 1000 words) should be **submitted before December 15, 2012** to [n.sheibani@shf-hydro.org](mailto:n.sheibani@shf-hydro.org)

They should provide detailed information on the objectives of the study, the methodology, the main results and major conclusions.

***They should mention the name, affiliation of authors, and Email of the corresponding author.***

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