



## **Smoothed Particle Hydrodynamics European Research Interest Group**

### **Minutes of the Steering Committee Meeting**

**29 November, 2013**

**ETSIN, Madrid, Spain**

#### **SC members present:**

David Le Touzé, Ecole Centrale de Nantes, France (chair)  
Damien Violeau, EDF R&D, France (newsletter editor)  
Nathan Quinlan, NUI Galway, Ireland (secretary)  
Ben Rogers, University of Manchester, UK (webmaster)  
Antonio Souto-Iglesias, ETSIN, Spain  
Jean-Christophe Marongiu, Andritz Hydro, Switzerland  
Paul Groenenboom, ESI Group, Netherlands  
Moncho Gómez-Gesteira, Universidad de Vigo, Spain  
Xiangyu Hu, TU Munich, Germany  
Andrea Colagrossi, INSEAN, Italy  
Stefano Sibilla, Università di Pavia, Italy  
Thomas Rung, Technische Universität Hamburg-Harburg

#### **Also present:**

Alex Crespo, Universidad de Vigo, Spain  
Renato Vacondio, Università degli Studi di Parma, Italy  
Christopher George, IAHR

### **1 IAHR**

Chris George, Executive Director of IAHR, gave a brief overview of IAHR and informed the SC that Damien Violeau has joined IAHR council. There was a discussion of possible IAHR-SPHERIC collaboration. D. Violeau will edit a themed issue of IAHR magazine Hydrolink. D. Violeau will convene a special session at the IAHR World Congress in the Hague, 2015. B. Rogers will approach P. Stansby as a potential keynote speaker at the world congress.

### **2 New members**

David Le Touzé reported there are 5 new members in Europe and Asia since the last SC meeting.

### **3 Steering Committee**

Alex Crespo will take the place of Moncho Gómez-Gesteira on the SC.

### **4 Newsletter**

D. Violeau has received two articles and will prepare a 2014 workshop announcement. N. Quinlan will prepare ½ page on recent publications. D. Le Touzé, M. Gómez-Gesteira and P. Groenenboom will each submit an article.

### **5 Website**

D. Le Touzé will send June 2013 SC minutes to B. Rogers for the website. B. Rogers has created a youtube channel at [www.youtube.com/user/SPHERICWebsite](http://www.youtube.com/user/SPHERICWebsite). A. Souto will set up a SPHERIC twitter account.

## **6 Benchmarks**

SC members agreed to prepare the following new benchmarks: erosion (T. Rung, B. Rogers); Burggraf flow (D. Violeau); water wave (D. Le Touzé, A. Colagrossi); ellipsoidal droplet (A. Colagrossi).

## **7 Grand Challenges**

GC leaders for GC1 and GC3 to prepare more information for the website, like GC2 and GC4. Each GC leader will prepare a position paper for journal publication.

## **8 ERCOFTAC**

A. Souto will represent SPHERIC at the ERCOFTAC spring meeting, 8-9 May, Barcelona.

## **9 9<sup>th</sup> workshop, Paris, 2014**

D. Violeau updated the SC on preparations for the workshop. Details are as follows: 2-5 June 2011; full registration €430, student €280, with €50 increase for late registration; €50 fee for training day; paper proceedings will be produced; keynote lectures by Andrea Colagrossi and Walter Dehnen. Training day will consist of a general introductory lecture by David Le Touzé, lecture by Thomas Rung and/or Stefano Sibilla on sedimentation, and a DualSPHysics practical session by M. Gomez-Gesteira and Gomez-Gesteira .

There will be two open discussion sessions. Ben Rogers will moderate one, with a panel of speakers and questions solicited in advance. The other will focus on industrial application, including two brief introductory talks, one from J-C Marongiu, and one from a second industry speaker to be invited by D. Le Touzé.

## **10 Future workshops**

The 2015 workshop will take place in Parma (chaired by R. Vacondio) and the 2016 workshop in Munich (Xiangyu Hu). Renato Vacondio gave a brief presentation on the 2015 workshop, which may take place in the 3<sup>rd</sup> or 4<sup>th</sup> week of June. Vigo (M. Gomez-Gesteira and A. Crespo) expressed an interest in hosting the 2017 workshop. A. Colagrossi and D. Le Touzé noted that they can readily obtain ISBN numbers for proceedings, and can provide them to other institutions if necessary.

## **11 Journal of Meshless Methods**

D. Le Touzé is in discussion with Elsevier about the proposed new journal. SC decided to proceed with project and inform Elsevier of Springer's Computational Particle Methods. SC members wishing to be an active specialist member of the editorial board should email D. Le Touzé. SC agreed to consider developing an activity in Asia. SC agreed on optional open access model for the journal and enhanced content (e.g. video, data etc. available with articles).