



Smoothed Particle Hydrodynamics European Research Interest Group

Summary of the Steering Committee Meeting

9 June, 2011

Technische Universität Hamburg-Harburg, Germany

SC members present:

David Le Touzé, Ecole Centrale de Nantes, France (chair)
Mihai Basa, National University of Ireland, Galway (secretary) representing Nathan Quinlan
Ben Rogers, University of Manchester, UK (webmaster)
Damien Violeau, EDF R&D, France (newsletter editor)
Paul Groenenboom, ESI BV, Netherlands
Stefano Sibilla, Università di Pavia, Italy
Jean-Christophe Marongiu, Andritz Hydro, Switzerland
Andrea Colagrossi, INSEAN, Italy
Moncho Gómez-Gesteira, Universidad de Vigo, Spain
Rade Vignjevic, Cranfield University, UK
Xiangyu Hu, TU Munich, Germany
John Biddiscombe, CSCS, Switzerland

Other participants:

Joe Monaghan, Monash University, Australia
Thomas Rung, TU Hamburg-Harburg, Germany
Robert Anthony Dalrymple, John Hopkins University, USA
Andrea Colagrossi, INSEAN, Italy
Jan Erik Olsen, SINTEF, Norway

1 6th Workshop

The SC thanked and congratulated T. Rung and the local committee for the excellent organisation of the workshop, noting the difficulties of such a task.

2 ERCOFTAC meeting, funding and bulletins

David Le Touzé reported attending the ERCOFTAC SPC meeting in Gdansk, and its drive towards a younger and livelier composition. Funding will most probably be available for the next workshop, to be used for reduced registration fees for students. The ERCOFTAC funding will be acknowledged on the website. Further funding may also be available, to be used for travel expenses for committee members. T. Rung will write a report to the SPC and an ERCOFTAC bulletin.

3 New SPHERIC members

D. Le Touzé reported 9 new members. B. Rogers raised the issue of inactive members, and it was decided that members which appear inactive will be emailed yearly to confirm their participation and affiliations.

4 June issue of the Newsletter

D. Violeau asked T. Rung to write a small summary, with pictures, of the workshop. The detailed program of the workshop will be shortened to session titles plus number of contributions in each. The winners of the Libersky prize will be asked to contribute.

5 SPHERIC website and benchmarks

B. Rogers reported that the SPHERIC website was hacked in February and that moderating contributions to the Wiki is necessary. B. Rogers requested that those in charge of the benchmark test cases send him references to SPH papers that have used the respective cases. D. Le Touzé will send a new map of SPHERIC to B. Rogers. The opening of a Youtube account for SPH videos, with a group password, was also discussed.

6 Journal of Meshless Methods

D. Le Touzé reminded that the idea of a Journal of Meshless Methods was regarded positively at previous meetings. R. Vignjevic noted that administrative help would normally be provided by the publishers. B. Rogers proposed having a special issue of around 10 papers from various particle/meshless conferences, amounting to about 4 editions of the journal per year. R. Vignjevic informed that some of these events are already affiliated with journals. J. J. Monaghan proposed to avoid the negation "Meshless" in the name, in favour of "particle-based". The range of acceptable topics was agreed to be as broad as possible, but roughly limited to those of interest to the SPHERIC community. The topic will be further discussed through email and at the next meeting. P. Groenenboom requested that an estimate of the time required from journal editors be made at the next meeting.

7 Next SC meeting

D. Violeau proposed Paris as a venue, with a date to be announced during the next week.

8 2013 workshop

D. Le Touzé reminded that two proposals had been made: one for Paris, by Damien Violeau (EDF) and Alexis Héroult (CNAM), and another for Trondheim, by Jan Erik Olsen (SINTEF). From discussion among the two proposers Trondheim was selected as the final choice, with Paris remaining a candidate for 2014.

9 Non-European members in steering and scientific committees

D. Le Touzé reported that the question of steering committee members from outside Europe had been raised by Dr. Raj Das of CSIRO. The SC agreed that there is no opposition of principle to having SC members from outside Europe, but the main impediment is the difficulty for distant members to travel to the intermediate SC meetings. For the scientific committee, which is to be distinct from the steering one, there is a strong desire to have a worldwide participation. The size of the scientific committee will be decided based on the number of article submissions for the journal, and new member introductions will be discussed by the steering committee.

10 Validation test cases

R. A. Dalrymple presented his experience in organising an SPH validation workshop in the USA. D. Le Touzé suggested that new validation test cases need at least one year of advance announcement. B. Rogers noted that test cases should not be limited to free-surface flows. T. Rung proposed that they run in parallel to the training day, and that the test cases be of problems where people already have experience.

11 Publication of proceedings

T. Rung presented the possibility of publishing the entire proceedings with Springer. The SC expressed skepticism and discussed the possibility of online publishing, including on the SPHERIC website. T. Rung will investigate publishing costs, based on which the SC will decide whether to publish with a journal or online.

12 2012 workshop

A new format for the workshop was confirmed, with 3 full days and a training day at the end. J. J. Monaghan reported on the state of the workshop organisation in Prato, Italy, which is complete in large part. Monash University's intention is to minimize environmental impact. J. J. Monaghan asked the committee to allow a shorter duration for the talks (approx. 11 minutes) to be proposed in 4-6 weeks, maintaining the same number of talks and allowing more time for discussions and other activities. Proceedings to be provided on USB stick only.

13 The Libersky Student Prize

The SC elected to award the first prize to Christian Ulrich, of TU Hamburg-Harburg.