



Smoothed Particle Hydrodynamics European Research Interest Group

Summary of the Steering Committee Meeting

2 December, 2014

Universida de Vigo, Ourense, Spain

SC members present:

David Le Touzé, Ecole Centrale de Nantes, France (chair)
Ben Rogers, University of Manchester, UK (webmaster)
Nathan Quinlan, NUI Galway, Ireland (secretary)
Antonio Souto-Iglesias, ETSIN, Spain
Jean-Christophe Marongiu, Andritz Hydro, Switzerland
Alex Crespo, Universidad de Vigo, Spain
Moncho Gomez-Gesteira, Universidad de Vigo, Spain
Xiangyu Hu, TU Munich, Germany
Tom de Vuyst, Cranfield University, UK
Andrea Colagrossi, CNR-INSEAN, Italy

Also present:

Renato Vacondio, Università degli Studi di Parma, Italy

Apologies:

Damien Violeau, EDF R&D, France (newsletter editor)
Thomas Rung, Technische Universität Hamburg-Harburg, Germany
Paul Groenenboom, ESI Group, Netherlands
Stefano Sibilla, University of Università degli Studi di Pavia, Italy

1 Joe Monaghan Prize

NQ presented a summary of nominations. 9 nominations for 7 articles were received from a total of 7 nominating groups and individuals. The shortlist will be put to a vote of workshop attendees, with a ranked vote for three papers. The shortlist will be published on workshop and SPHERIC websites and newsletter in advance. In future, some additional filtering may be applied to reduce the shortlist, but the SC felt 7 is not too many to put to a general vote. Votes will be collected at lunch on day 2 of the workshop and Prof. Monaghan will be invited to announce/present the prize.

Action: NQ will assign 2 SC members to check each nominated paper and determine which Grand Challenge(s) it advances, if any. If two reviewers disagree, a third will be consulted.

2 ERCOFTAC, IAHR, ECCOMAS

DLT attended Autumn ERCOFTAC festival in Spain.

DLT reported DV is preparing Hydrolink special issue, and DV has arranged special session on SPH at 2015 IAHR congress.

3 Journal creation

Decision: The SC will not continue to push a new commercially published journal.

The SC discussed formal indexed publication of SPHERIC proceedings – decided not to push this now, but to reconsider in future.

4 Joint PhD programmes

DLT and AS encouraged members to make formal or informal PhD student exchanges etc., to lay down track record which can help in securing Marie Skłodowska-Curie H2020 and other funding.

5 Parma workshop, 2015

Renato Vacondio updated the SC. Tony Dalrymple and Joe Monaghan have accepted invitations for keynotes. Two conference venues are booked (one for first 2 days, one for third day). Nvidia will sponsor student prize. RV will arrange small prizes (e.g. food) for 2nd and 3rd place.

Training day will be on campus. AS will do second lecture on MPS-SPH comparison. SPHysics team will do an afternoon session.

The SC meeting will be in two parts as in Paris, on Monday evening and Wednesday before the dinner.

The workshop website is now online.

Both discussion panels will follow the successful "question time" format with brief "provocative" scene-setting talks. DLT will present on adaptivity/refinement, BR will chair. AC will present on incompressibility, AS will chair. Renato and the chairs will send email calling for questions before the workshop.

NQ will speak about the JM prize at opening. Renato will arrange for votes to be collected at lunch on day 2.

6 Munich Workshop, 2016

XH updated the SC. Dates will be decided before the Parma workshop. Workshop will take place in the teaching term – it will be difficult to secure venues, especially computer room for training day. May use a website more extensively for online submission, abstracts review, etc, based on local experience with a large conference.

7 SPHERIC membership:

DLT has received 6 new membership applications. DLT will update list of active members.

8 Benchmarks

BR has received a proposal for a body free-falling down a ramp into water. Some concerns were expressed about friction in the system. BR to establish if body motion measurements are available.

9 Website/Youtube

Members should submit more videos to Ben.

10 December newsletter

DV (via DLT) requested input for newsletter:

Actions: Renato Vacondio to give article on upcoming workshop. Nathan to give selection of recent publications. Articles will come from Antonio's group on Aqua-GPUSPH, Salvatore Marrone, Hydrocean, Cranfield, Manchester on multiphase GPU-SPH.

11 Bibliography (citeulike)

NQ reported 12 references added since last meeting.

12 Grand challenges

DLT will invite Damien and Rade to lead writing of a single position paper (not review paper) covering all four GCs.