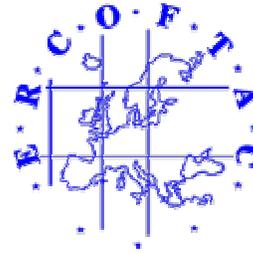


SPHERIC

Smoothed Particle Hydrodynamics European Research Interest Community



Minutes of the Steering Committee Meeting

11 May, 2006

Universita di Roma La Sapienza

Present:

Damien Violeau, Electricité de France (chair)
Ben Rogers, University of Manchester, UK (webmaster)
Andrea Panizzo, Universita di Roma La Sapienza, Italy
Moncho Gesteira-Gomez, University of Vigo, Spain
Etienne Parkinson, VA TECH Hydro, Switzerland
Francis Leboeuf, Ecole Centrale de Lyon, France
Peter Stansby, University of Manchester, UK
David Graham, University of Plymouth, UK
Nathan Quinlan, NUI Galway, Ireland (secretary)

1. Membership of the Steering Committee (SC)

Damien Violeau noted that the committee can include a maximum of 12 members, with no more than 2 representatives of any one country. It was agreed as a guiding principle that the membership should be as diverse as possible in terms of interests and countries represented. The following changes to membership were proposed:

- The University of Plymouth joins the SC.
- EC Lyon resigns from the SC and EC Nantes to take up a place so that a broader range of interests may be represented.
- ETH Zurich/CSCS (Switzerland), ESI Group (Netherlands) and a German institute (possibly the Technische Universität München) will be invited to take up places on the SC.

The last two possible memberships will be decided in the next weeks. Moreover, 5 institutes asked D. Violeau to join SPHERIC, which should raise the number of members to 33.

2. 2006 workshop

The committee agreed that the 2006 workshop (10-12 May, Universita di Roma La Sapienza) was a resounding success, and congratulated Andrea Panizzo on the organisation. To disseminate the results of the workshop, the following actions were agreed:

- Participants can email PDF versions to Ben Rogers to be posted on the SPHERIC website. Animations and movies will not be hosted on the website, but participants' PDFs can include links to movies hosted on their own sites.
- SC members will contact workshop participants who presented results for each benchmark test case, to request data in an electronic form and prepare a summary of work on each benchmark, to be published in the SPHERIC newsletter. The relevant SC members are M. Gesteira-Gomez (benchmark 1), R. Issa (EDF R&D) (2) and B. Rogers (3).
- D. Violeau will write an article about the workshop for the ERCOFTAC bulletin.
- A. Panizzo will write an article about the workshop for the SPHERIC newsletter.
- N. Quinlan will collect references used in presentations and add them to the SPHERIC BibTeX database.

3. SPHERIC Newsletter

The next newsletter will be released by the end of June. Contributions from all members are welcome.

4. Benchmark test cases

There was some discussion of this topic. It was agreed that in future, a data format should be specified for the electronic reporting of results, to facilitate careful examination and comparison of results. It was suggested that benchmarks should include relatively simple problems designed to test quality and accuracy in modelling specific physics (e.g. wave propagation) as well as advanced problems chosen to highlight the unique strengths of SPH (e.g. tank sloshing). It was agreed that the topic should be raised in the round-table SPHERIC meeting on 12 May.

5. Future events

The SC discussed whether the next event should take the form of a workshop or a summer school (consisting of practical training, with access to computers and code). The SC agreed that a second workshop should take place in 2007, with the possibility of a summer school in 2008. May 2007 was identified as a preferred date, to avoid clashes with other conferences. There will be a review process, written proceedings will be published, and prizes will be offered for the best student presentation(s) and/or best movie(s) of the workshop.

D. Violeau informed the SC that he is in discussions with IAHR with a view to organising an session on SPH at the 2007 IAHR Congress.