
Report of the IAHR Maritime Hydraulics Section Open Meeting

Venue: ICCE, Hamburg, 4 September 2008, 6:30 pm, ICCE Hall.

Present: C. Memos, F. Taveira-Pinto, M. Benoit, A. Sanchez-Arcilla, B. Edge (COPRI), P. Ciavola, Oumeracci, A. Lamberti, L. Damiani, Karambas, Tsoukala, Tanaka, ...

1. Opening and agenda

Constantine Memos, chairman of IAHR-MHS chaired the session and welcomes those present. Special thanks to the ICCE organizers for having allowed this meeting within the conference schedule and programme. The proposed agenda send by e-mail is the following:

1. Refined Wave Modelling Workshop: review of proposal status and setting of priorities of pending tasks.
2. Beach Dewatering: discuss the scope and the directions of a relevant group recently formed within the Maritime Hydraulics Section of IAHR.
3. Developing Techniques and Good Practice Guidelines for Composite Modelling in Hydraulics: Presentation of progress of this EU project and discuss possibility in setting up an IAHR Working Group to continue work on a more global level once the project finishes next year (Hydralab / CoMIBBS).
4. New Protocols for Mobile Bed Model Design and Testing: As above #3 (Hydralab / SANDS).
5. Any other relevant issue to be raised during the meeting.

2. Objectives of the Meeting

Constantine Memos pointed out the main objectives of this meeting as an opportunity to present to the delegates the goals of the IAHR Maritime Hydraulics Section. Before the 1st item of the agenda and due to his time schedule the cooperation with COPRI was presented by Billy Edge.

3. Cooperation between IAHR and COPRI

Bill Edge stressed the good cooperation between IAHR and COPRI during the conferences at Thessaloniki, Cardiff, and Venice with parallel events, stating that IAHR and COPRI are complementary organizations. He also referred the interest of COPRI in IAHR-MHS activities, sponsoring conferences after request or on join proposals or projects. This cooperation will continue during Vancouver conference, helping with papers and on the general organization if requested.

4. Refined Wave Modelling Workshop

Michele Benoit, due to the absence of Prinos, presented the idea behind the "Refined Wave Modelling Workshop", which is to obtain data from selected 4-5 test cases from Laboratory or Field experiments, to use models to reproduce the test situations and at the end to compare physical and numerical results.

It was decided to collect, until the Vancouver Conference new data sets. The data sets from Stansby (coordinator: Prinos) and from the University of Cantabria (coordinator: Inigo Losada) are already available. The results will be presented in a workshop to be held in Paris or in another conference. Memos offered his HR experiments as a further test case – already in IAHR site.

To the best approach between numerical and physical/field data will be given a free registration fee at a Conference could be given.

5. IAHR-MHS Beach Dewatering Group

IAHR-MHS Beach Dewatering Group is a relevant group recently formed within the Maritime Hydraulics Section of IAHR. Paolo Ciavola presented the scope and the work done recently within this group, showing an increasing interest but with few scientific developments.

It is necessary to increase the number of members of the working group and try to organize a workshop dedicated to this subject, during Vancouver Conference and also to create areas for this and other working groups at the IAHR website. A summary of the work done so far by this working group to be included in the next IAHR-MHS Newsletter is also welcome.

It will be important to identify, through a kind of guidelines, limitations and applicability, the importance and usefulness of this kind of systems in order to support the existence of this working group and its efforts. Oumeracci reported that according to his experience this kind of systems will never work properly in high energetic seas as probably it will never be dry. He also referred to the important relation between the swash zone and the local sediment transport. It was stressed, however, that even if BD may not be of advantage in all cases, it would be very useful to engineers to know whether the system works or not and under which conditions.

6. Developing Techniques and Good Practice Guidelines for Composite Modelling in Hydraulics (Hydralab/CoMIBBS Project)

Charlotte presented the main goals, work and results already obtained from the COMIBBS Hydralab Project. Its main goal is to define techniques and good practice guidelines for composite modelling in hydraulics. As this project will finish by the end of April 2009, there has been some contacts in order that IAHR-MHS continue with this subject as a working group, leading to new proposals of work under this subject, to obtain new funding for the follow-up of this project.

7. New Protocols for Mobile Bed Model Design and Testing (Hydralab/SANDS Project)

Agustin Sanchez-Arcilla presented the main goals, work and results already obtained from the SANDS Hydralab Project. Its main goal is to define more complete guidelines for mobile bed modelling. As this project will finish by the end of October, there have been some contacts in order that IAHR-MHS continue with this subject as a working group, leading to new proposals of work under this subject, to obtain new funding for the follow-up of this project. Agustin stressed that it could be a good idea and he is interested to cooperate with IAHR-MHS.

8. The meeting adjourned at 20:00h.