

Minutes of the Meeting of the EWRI Technical Committee on Hydraulic Measurements and Experimentation (TCHME)

September 9, 2007, 2:00 PM
Crowne Plaza Hotel
Lake Placid, NY

1. Welcome

Attendees of the TCHME meetings were David Admiraal, Todd Cowen, David Hill, Tracy Vermeyen, Bob Einhellig, Marian Muste, Connie DeMoyer, Chris Rehmann, Stuart Styles, Cliff Pugh, Brian Wahlin, Matahel Ansar, Juan Gonzalez, Art Schmidt, Aaron Blake, Tony Wahl, John Replogle, and Brian Parsons.

2. Membership and officers

Vice chair David Admiraal will take over as chair in October 2008. The TCHME will need to pick a new vice chair.

The TCHME seeks new members. During the week the following people were suggested as new members: Connie DeMoyer, Daniel Wren, Alex Horner-Devine, Cary Troy, and Anne Lightbody.

3. Uncertainty task committee

Brian Wahlin and Tony Wahl reported that the task committee needs to complete examples and that the report will need both internal and external review. Brian Parsons said there are two options: (1) a standard of practice, which is highly reviewed or (2) a technical report, which has less review and little editing by ASCE. Brian suggested we consider a technical report; another option is an ASCE guideline, which is just below a standard. The TCHME will conduct an internal review before sending the report for external review. Marian Muste was identified as a good candidate to conduct an internal review, and several possible external reviewers were identified.

Action item: Cliff Pugh will ask Vladimir Nikora (IAHR) about reviewing the report.

Action item: Colin Rennie will ask Paul Pilon (International Joint Commission) about reviewing the report.

Action item: Art Schmidt will ask Reg Herschy (U.K.) about reviewing the report.

4. Review and discussion of HMEM 07 planning

a. Special Issue of JHE with papers from HMEM 2007

The TCHME discussed assembling a special issue of the *Journal of Hydraulic Engineering* with papers from the HMEM 2007 conference. Brian Parsons mentioned an ASCE publication, which would be peer reviewed but would not have wide distribution.

A special issue would have 9 to 12 papers. Moderators are responsible for selecting abstracts from presentation sessions and poster sessions. Content will direct the title, and we would aim to have it done in 9 months to a year. David Admiraal volunteered to be special editor, and Chris Rehmann offered to be associate editor.

Action item: David Admiraal will contact JHE Editor Dennis Lyn to ask about the possibility of a special issue, its size, and the potential for a double issue.

Action item: Committee members will submit suggestions—from the oral and poster presentations—for papers to be included in the special issue. Submissions should go to David Admiraal.

b. Review of HMEM 2007

HMEM participation included 200 papers by the deadline—about 120 talks and 50 posters. Oral presentations that were withdrawn were filled in by posters. Between 10 and 20 posters dropped out. Registration is over 200 people. There was good vendor representation and 10 exhibitors. Technical tours were not well done: Limited effort was put forth, and vendors were not that interested in conducting field trips.

We observed that the next HMEM conference should be scheduled in off years from IAHR Congress years. This year the Venice congress interfered with HMEM participation. July and August of 2012 was suggested for the next HMEM. Suggested locations included Park City, UT and Vancouver, though USGS participation might be a problem for a meeting in Canada.

Because the TCHME wanted to review the conference, we scheduled a meeting on Tuesday evening to elaborate on what went well and what could be improved in future HMEM conferences. We will collect our feedback and have Cliff Pugh transmit it to ASCE/EWRI via Tech ExComm.

5. Special issue of JHE on acoustic measurement.

Marian Muste reported on the status of the special issue and summarized the process. Thirteen papers were accepted. The editors of the special issue were told the process would take 18 months, and it took 17. The editors held reviews until all were received before sending them to the authors. Each deadline had to be delayed one month.

6. Report from IAHR liaison

Marian Muste reported on the 2007 IAHR Congress in Venice. Sessions on instruments were well attended. Vladimir Nikora is the new leader of the Hydraulic Instruments Section (HIS). The instrument database is online and working, and it has information on about 90 instruments. The WMO instrumentation workgroup project was discussed with IAHR as a partner.

7. Session on Remote Sensing for Hydraulics at IAHR 2009.

The TCHME discussed sessions for the 2009 IAHR Congress in Vancouver. The technical chair is Rob Ettema, and the congress chair is Jeff Bradley. Cliff Pugh distributed a detailed program outline and proposed that the committee take the lead in organizing the track on lab experiments, instruments, and hydraulic modeling; possible topics include remote sensing for hydraulics, acoustic velocimetry, sediment transport, light/LASER based instrumentation, LIDAR and spatial analysis applications, and sensor networks. Marian Muste recommended also including Topic E Advances in Hydroinformatics; particular topics could include integrated watershed and coastal management.

Action item: Colin Rennie will contact Rob Ettema about filling in this track.

8. New task committees

The TCHME decided to get ideas for new task committees from the submissions to the 2009 IAHR Congress.

9. Other business

Cliff Pugh recommended that HMEM Committee members should consider award nominees.

10. Next meeting

Instead of meeting at the 2008 WEWR Conference in Hawaii, the TCHME will pursue other approaches—for example, a meeting in Denver in 2008.