

ASHRAE TC 8.3 Absorption and Heat Operated Machines

Meeting Minutes

Monday, January 25, 2015

Winter Meeting – Chicago

1. TC8.3 Chair Rajesh Dixit called the meeting to order at 3:35 pm, and asked for members and visitors to sign the attendance sheet and give their introductions. Rajesh also acknowledged the liaisons.
2. A quorum was established for the meeting, with five out of seven voting members present. The voting members present were: Rajesh Dixit, Reinhard Radermacher, Paul Sarkisian, Rich Sweetser and Tim Wagner. Laura Schaefer and Ersin Gercek were absent. In addition to the voting members, nine corresponding members and fourteen guests were also present.
3. Rajesh Dixit read the statement of purpose for TC 8.3.
4. Since a quorum was not present at the Seattle meeting, a motion was made by Uwe Rockenfeller and seconded by Reinhard Radermacher to accept the minutes from last winter's meeting in New York. The motion was accepted (5, 0, 0 CV). Tim Wagner moved that the minutes from the summer meeting in Seattle be accepted as submitted. Rich Sweetser seconded the motion. The motion was accepted (5, 0, 0 CV).
5. Subcommittee reports were presented:
 - a. Research: Uwe Rockenfeller presented the subcommittee report, including a review of the subcommittee minutes from the Seattle meeting and a report based upon the subcommittee meeting held immediately prior to the TC meeting. There was also a project review of TRP 1462 (Active Mechanisms for Enhancing Heat and Mass Transfer in Sorption Applications) held prior to the Research subcommittee meeting. The TRP 1462 research effort has addressed most of the concerns raised in previous reviews. However, the chilled water temperature used in all tests to date is still too high. The PMS directed the research team to perform representative tests with chilled water temperatures consistent with the manufacturer's specification. The PMS also directed the team to perform future tests with the additive. More details on the concerns and results can be found in the Research Sub-Committee report and in the slides from the presentation. Final report is due in four months.

Uwe Rockenfeller also reported that RAC had rejected RTAR 1638 (Absorption Refrigeration Cycle Training Simulator for Sustainable Resource Use). Uwe made a motion that RTAR 1638 be tabled until further consideration. Paul Sarkisian seconded the motion and it was passed (5, 0, 0 CV).

Rajesh Dixit reported that he had reviewed the Application Guide for Absorption Cooling/Refrigeration using Recovered Heat and found that it needs to be updated

- for equipment introduced in the since it was originally published (20 years ago) and also to incorporate an international perspective. Rajesh will draft an RTAR for review before the June meeting; Paul Sarkisian offered to assist.
- b. Programs: Ersin Gercek was not present, and had forwarded no report on programs. At the Chicago meeting, TC 8.3 sponsored Seminar 1: *An Update on Energy Efficiency Analysis using ABSIM Absorption Simulator, Triple Duty Chillers and Type 2 Absorption Heat Pumps*, on Sunday January 25th, 2015 at 8:00 am. The two presentations were well received. For the summer meeting in Atlanta, the seminar/forum/workshop proposal deadline is February 9, 2015. Rajesh Dixit asked that suggestions for seminar topics be sent to him and he would send an e-mail ballot for approval by the TC.
 - c. Handbook: Reinhard Radermacher reported that the Fundamentals chapter had been updated in the last round and no additional changes are currently proposed. He will send a MS Word version of the chapter to the Chair. Reinhard has informed that the review and feedback from the committee members is required before the June 2015 meeting. Subsequently, revisions will be drafted in fall 2015, final decision taken during the winter 2016 meeting and then final version to be issued to ASHRAE on March 1st, 2016.
 - d. Standards: Jay Kohler presented the report. TC 8.3 is prepared to update ASHRAE Standard 182 (Method of Test for Absorption Chillers). Jay Kohler reported that Standard 182 is aligned with AHRI 560:2000 and that Standard 40 has been updated with no activity there. Jay will chair the PC. Joe Brillhart, Paul Sarkisian, Ken Schultz and Rupal Choksi will participate. A response from ASHRAE/AHRI has not been received.
 - e. Membership: Laura Schaefer and Ersin Gercek roll off after the June meeting. The Chair asked for anyone interested in becoming a voting member to speak with him.
 - f. Website: Ken Schultz continues to do an excellent job maintaining the website.
6. Rajesh Dixit presented the Chairman's Overview and Report.
- a. John Carter (TC 4.3) was the recipient of the Hightower Award (2014-15). Nominations for next year's award are due on September 1st, 2015.
 - b. Iain Walker (TC 4.3) was the recipient of the Service to ASHRAE Research Award (similar to the Hightower Award).
 - c. TC 8.11 was the recipient of the TAC's new award for the Outstanding Technical Committee. The purpose of the award is to recognize, a single TC within each TAC section that has the highest measured performance based on a set of weighted criteria as compared to other TCs within that same section. It is a point system with inputs from the TC activity form. Missing quorum is an automatic disqualifier for this award.

- d. The Chair reminded the TC of the ASHRAE Code of Ethics to ensure that the TC is performing within the code of ethics guidelines.
 - e. Upcoming conferences: Atlanta (June 27-July 1, 2015), Orlando (January 23-27, 2016), St. Louis (June 25-29, 2015)
7. Old Business: Gershon Grossman volunteered to be an International Member of TC8.3.
 8. New business: Richard Sweetser reported that the SSPC had approved Standard 100 Energy Efficiency in Existing Buildings. The efficiency requirements listed in the standard, based on Energy Use Index (EUI), are problematic for directed fired absorption, Combined Heat and Power, and other devices requiring on-site combustion or the use of district energy. The Chair will note this concern in his Activity Report.
 9. The next meeting will be held on Monday June 29th in Atlanta GA.
 10. Richard Sweetser moved that the meeting be adjourned. Paul Sarkisian seconded the motion and it was approved (5, 0, 0 CV). The meeting was adjourned at approximately 5:00 pm.