

**ASHRAE TC 8.3 Absorption and Heat Operated Machines**  
Meeting Minutes  
Monday, January 20, 2014  
Winter Meeting – New York City

1. Ersin Gercek, the Chair, started the meeting at 3:30 pm, and asked for introductions.
2. A quorum was established for the meeting, with six out of nine voting members present. The voting members present were: Ersin Gercek, Rajesh Dixit, Laura Schaefer, Rich Sweetser, Paul Sarkisian, and Tim Wagner.

Voting Member Attendance	
Ersin Gercek	✓
Ebrahim S. Al-Hajri	
Laura A. Schaefer	✓
Rajesh P. Dixit	✓
Piyush V. Patel	
Paul H. Sarkisian	✓
Richard S. Sweetser	✓
Timothy C. Wagner	✓

In addition to the voting members, many of the corresponding members and guests were present as follows:

Other Attendance	
Voting Members	6
Corresponding Members	4
Guests	7
<b>Total</b>	<b>17</b>

3. Ersin Gercek read the statement of purpose for the TC.
4. Copies of the minutes from the summer meeting in Denver were reviewed (the minutes were made available via email before the meeting). A motion was made and seconded that the minutes be accepted as written. The motion was approved 6-0-0.
5. Subcommittee reports were presented:
  - a. Programs: Ersin Gercek suggested that the TC resubmit their NYC submission (Cutting Edge Absorption and Adsorption Cooling Technologies) for the Seattle conference. Tim Wagner listed the nine tracks planned for the Seattle conference, and it was agreed that the session would best fit in Track 4: Systems and Equipment.

There was some discussion on what the theme or title of the seminar should be, and whether or not it should stay as a seminar, or be a workshop. Suggested titles included “Cutting Edge Sorption Technologies” and “Successfully Applied Advanced Sorption Technologies for Fun and Profit.” The latter title was chosen, and volunteers were solicited. Rajesh Dixit, Kyle Gluesenkamp, and Sam Leggett each were willing to give a

presentation. Yunho Hwang was also considered as an alternate, since he was not at the meeting, and therefore could not agree to present at the time. A motion was made and seconded to approve the proposed seminar. The motion was passed 6-0-0.

Rich Sweetser then suggested that TC 8.3 might want to co-sponsor the session with TC 1.10. He agreed to propose that co-sponsorship at the TC 1.10 meeting the next day. A motion was made and seconded for TC 8.3 to approve the co-sponsorship, and was passed 6-0-0. (TC 1.10 = Cogeneration Systems)

- b. Research: Uwe Rockenfeller presented the subcommittee report, which was based upon the subcommittee meeting held immediately prior to the TC meeting. For RTAR 1638 (Absorption Refrigeration Cycle Training Simulator for Sustainable Resource Use), it was noted that ASHRAE had some concerns about the maintainability of the resulting software. It was decided that the software will be stand-alone, without the need for permanent updates. Paul Sarkisian will update the RTAR to reflect this, and then resubmit it to ASHRAE. A motion was made and seconded to approve the changes to and submission of the RTAR. The motion was passed 6-0-0 (with 3 absent).

The third project review of TRP 1462 (Active Mechanisms for Enhancing Heat and Mass Transfer in Sorption Applications) was conducted. A report was submitted, and a powerpoint presentation was given by Josephine Lau at the subcommittee meeting. Some concerns were expressed by Uwe Rockenfeller and Tim Wagner regarding the reliability of the data and the experimental procedures. It was therefore recommended that test conditions meet ASHRAE guidelines (2-2010).

Finally, the Application Guide for Absorption Cooling/Refrigeration using Recovered Heat was discussed. The lack of a digital copy makes it very hard to reliably update the document. Rajesh Dixit agreed to review Piyush Patel's comments, and to send the document via email to Uwe Rockenfeller and Ersin Gercek before the next ASHRAE meeting.

- c. Handbook: The Handbook subcommittee chair (Reinhard Radermacher) was not present. Jay Kohler stated that he believes that the Systems and Equipment chapter might be due next year, so Ersin Gercek agreed to check with Reinhard Radermacher on that, and then circulate the document to the committee.
- d. Standards: Jay Kohler is no longer the Standards subcommittee chair, but he still presented the report. Standard 40 has been sent out for public review; that process is over, and no comments were submitted. The standard is going through the galley proofs stage now, and will be Standard 40-2014 when published.

For Standard 182, AHRI is in the process of updating AHRI 560, which is complimentary to 182 (AHRI has the rating procedure, while ASHRAE has the method of testing). The TC needs to provide a recommendation to standards that a committee (PC) be formed to address this. Jay Kohler agreed to chair the PC if an alternate candidate could not be found. Joe Brillhart and Paul Sarkisian also offered to help with the PC, and Ken Schultz

might be able to do so as well. A motion was made and seconded that TC 8.3 provide a recommendation that a PC be formed with Jay Kohler as chair. The motion was approved 6-0-0.

- e. Membership: Ersin Gercek discussed changes to the membership. Starting in July, Rajesh Dixit will be the new chair. Piyush Patel will be removed as a VM after this meeting, and Ebrahim Al-Hajri is also rolling off as a VM. For the next meeting, we will therefore have seven voting members. Joe Brillhart, Daniel Cowan, Sam Leggett, and Kyle Gleusenkamp will move from guest to corresponding member status for the next meeting. Additionally, Jay Kohler will be Standards chair for another term. Finally, long time committee member and friend, Abdi Zaltash, who sadly passed away last year, will be removed as a corresponding member.
  - f. Website: Ken Schultz continues to do an excellent job maintaining the website.
6. Ersin Gercek presented the chairman's report:
- a. ASHRAE will give an outstanding TC award in each division;
  - b. Ersin Gercek went to the YEA reception - we have 3 YEA members on the TC;
  - c. The TC was reminded us to act ethically as part of ASHRAE as well as our other professional obligations;
  - d. There is a google calendar you can add that is the TC master calendar;
  - e. ASHRAE is looking for more people to review technical papers, and has asked TC members to volunteer;
  - f. There is a new type of program - the workshop, which is a combination of a forum and a seminar;
  - g. Seattle proposals for sessions are due Feb 14, and Chicago abstracts are due March 25;
  - h. ASHRAE encourages the use of conference calls for meetings, and has equipment and facilities that TCs can use.
7. There was no old business added to the agenda.
8. Ersin Gercek requested any new business to be presented:
- a. For the next meeting in Seattle, Uwe Rockenfeller requested that the Research subcommittee meeting start at 2, not 2:15, and that a projector be provided;
  - b. Paul Sarkisian noted he will now be the lead and lead author on RTAR 1638 (rather than Vikas Patnaik and Ebrahim Al-Hajri), and that the expected cost will now be \$125k and the expected time will be 18 months.
9. Jay Kohler suggested we have a moment of silence in memory of Abdi Zaltash, who passed away on October 18, 2013, from complications due to Acute Myeloid Leukemia. Abdi was a committed member of ASHRAE and ASME, an excellent researcher, and a good friend to many. He will be greatly missed, and the moment of silence was observed by all present. (His obituary can be found at

<http://www.legacy.com/obituaries/knoxnews/obituary.aspx?n=abdizaltash&pid=167643550>.)

10. A motion to adjourn was made and seconded at approximately 5 pm. The motion was approved 6-0-0.