



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes Main Committee Meeting Agenda for ASHRAE Winter Conference Meeting 2018 Chicago, IL

Date: Tuesday – January 23rd, 2018

Place: Palmer House, Price room - Floor 5

Time: TC 8.10 Main Committee Meeting – 3:30 PM to 5:00 PM

(All TC sub- committees meet from 1:00 PM to 3:30 PM in the same room.)

Note: Since this is a relatively small TC, we discuss research, handbook, and program activities during one combined subcommittee meeting. Voting members are strongly encouraged to attend the subcommittee meeting. Corresponding members and guests are welcome.

Since the majority of the sub-committee meeting has been allocated to the discussion of a specific research project topic, much of the discussion and action for Programs, Handbook, Standards, and other Research will take place at the main committee meeting.

1. Call to order & Introductions - Chair, Tim Sechrist

- Call to order at 3:30 pm
- Introductions were done

2. ASHRAE Code of Ethics – Chair, Tim Sechrist

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests.

3. Determination of Quorum - Chair, Tim Sechrist

- 5 of 7 voting members present representing quorum

4. Membership/Roster – Gayle Davis

- Randy Schrecengost will move to Chair in July
- David Baird will move to vice-chair in July
- Kevin Muldoon will move to Secretary in July
- Tim Sechrist will be non-voting in July
- Alois Malik will be voting in July
- Ralph Kittler will be a voting member in July
- John Murphy will roll off as voting non-quorum member

5. Request for Approval of Long Beach Minutes – Secretary, David Baird

- Tim Sechrist nominated to approve, Kevin Muldoon seconded (4-0-0- CNV)

6. Request for Any Additions to Current Agenda

- No requests for additions to the agenda



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7. Section 8 Chair Meeting Report - Chair, Tim Sechrist and Vice-Chair, Randy Schrecengost

- Tim went to the meeting
- Hightower award recipient is Art Hallstrom from TC 8.6
- Research award to Brian Silveti from TC 6.9
- New web-based roster update for chairs (no longer Excel sheet)
- Activity sheet is still Excel at this point
- Historical Society coming up on 125 anniversary in 2019-2020
 - o Looking for transaction papers of significance
 - o Refer to website for further information
 - o Plenty of journal article abstracts submitted (24 of 6) – due March 2018
 - o Papers due in September (up to 30 double-spaced pages) and double blind review
 - o Historical presentations would go over well with suggestions for dehumidification might be opportunity
- CEC reported 106 slots with 115 seminars with 67 presented
- 10 forums (3 presented)
- 11 panels (1 presented)
- 10 debates (3 presented)
- Program submission deadline for Houston is February 9th
- Program submission deadline for Atlanta is August 3rd

8. Liaison Reports:

Section Head	Dustin Meredith
TAC Chair	Michael Bilderbeck
Handbook	Steven Sill
Research	Curt Eichelberger

As the Liaisons might not be available at the beginning of the meeting as a courtesy we will provide them the opportunity to address as they enter following the item on the agenda.

- Dustin Meredith, section chair, visited
 - o No significant news
 - o Reported that we made quorum

9. Subcommittee Reports:

- o **Program** - Program Sub-committee Chair, Tam Tamunobere
 - o Seminar today had strong reception on DOAS design guide
 - o Opportunities to expand other areas (forum in Atlanta) on pitfalls of DOAS systems
 - o Try to address questions and concerns about today
 - o Common misapplications of systems is potential track



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- Can schedule a forum in sub-committee slot but has to go through formal review process as well
- Discussion occurred in sub-committee meeting on additional programs
- No other suggestions for Houston or Atlanta received
- We co-sponsored with TC 2.2 – Seminar 60 – Energy Optimization and Loads for Indoor Plant Growth on Wednesday morning
 - Craig will be speaking and expecting good interest

- **Handbook** - Handbook Sub-committee Chair, Ralph Kittler
 - We have a second chapter (DOAS chapter from DOAS design guide)
 - Live on ASHRAE online (not numbered until hard copy in 2020)
 - Can we found on additional features
 - We do need to have a reviser for the chapter – no volunteers currently
 - Looking to revise the 2020 Systems and Equipment so possibly include Agricultural systems
 - Will be evaluating based on feedback on seminar
 - Indoor pool chapter which is run by 9.8 will be in the next handbook and vote on in early April

- **Research** - Research Sub-committee Chair, Alois Malik
 - RTAR deadlines changed with next deadline in March 15, then May, then August, and finally December
 - Training in Spring 2018 if want to be a Research Chair

 - RTAR - “Equations to Estimate Evaporation Rates From Wetted Surfaces”
 - Craig Burg volunteered to rework the RTAR and will give an update
 - Discussion and suggestions on possible co-sponsor TC(s)
 - Still being worked on and review in the coming months
 - Decided on February deadline with Kevin, Alois, Ralph, and Craig to lead effort

 - **1712-RP:** Development of the ASHRAE Design Guide for Dedicated Outdoor-Air Systems
 - This project is now complete.
 - Design guide is available for purchase in the ASHRAE bookstore or purchased online.



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- The DOAS Handbook chapter is approved and submitted for publication.
 - This was approved via letter ballot 8-0-0-CV.
- Seminar is scheduled for Chicago Winter 2018 to introduce and overview this new DOAS design guide.
 - This is not published online
- **Standards** - Standards Sub-committee Chair, Craig Burg
 - ASHRAE Standard 198-2013, *Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency*
 - Committee approved
 - 1st draft edits completed by e-mail
 - Meeting will take place on Sun 1/21 from 12-1 pm in the Palmer House, Salon 4 (3rd floor)
 - Developed a work plan but companion standard 920 has been undergoing significant revisions which will impact the 198 standard
 - Work plan to be submitted soon
 - Will be dividing into sub-groups
 - Completion of first draft 6/24/18
 - TC approval of 1/13/ 2019
 - Responses 6/23/19
 - Vote for Publication in Feb 2020
 - Ned commented on AHRI 920 status but takes time
 - Making significant changes and working aggressively
 - Not sure how ERV will be worked into standard
 - Trying to address ERV and non-ERV
 - Happening as a result of addition to 90.1
 - Could consider having a session on the update to 920 once completed
 - A lot depends on DOE timeline (supposed to be April 2018)
 - ASHRAE Standard 190-2013, *Method of Test for Rating Indoor Pool Dehumidifiers*
 - Committee approved
 - Meeting will take place on Sun 1/21 from 1-2 pm in the Palmer House, Salon 1 (3rd floor)
 - Work plan is approved
 - Sub-groups for sections already established
 - Try to complete in July 2019
 - Discussion for companion standard for AHRI 930 wrap-around heat pipes
 - Wait until 920 is done since AHRI focused there currently
 - Will investigate again in the future



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- Discussion about indoor grow rooms as another potential standard
 - Wait for now but something to consider in the future

10. TC Web Site – TC Webmaster, Gayle Davis

- Up to date
- Will post the presentations uploaded and then the new meeting minutes
- New template makes it easier

11. Other Business

- DOAS might be a good potential for a class ALI
 - Likely a big need and DOAS design guide routinely sells out
 - There already is a course on DOAS equipment but was not offered in Chicago being taught by Arthur Halstrom

12. Motion to Adjourn

- Tim motioned to adjourn, Craig seconded 4:10 pm