



## **TC 8.10 - Mechanical Dehumidifiers and Heat Pipes Main Committee Meeting Agenda for ASHRAE Summer Conference Meeting 2017 Long Beach, CA**

**Date:** Tuesday – June 27th 2017

**Place:** Hyatt, Regency D (4<sup>th</sup> floor)

**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 3:32 pm

**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

- 4 of 6 Voting members present representing quorum

**4. Membership/Roster** – Gayle Davis

- 61 members on the current roster with 45 corresponding members
- New roster takes effect on 7/1
- David Baird is on the roster twice and to be addressed
- Craig Burg, Kevin Muldoon, Randy Schrecengost, David Baird, John Murphy (non-quorum), and Tim Sechrist will be voting members
  - i. Went to minimum of 6 voting when committee shrank and trying to retain balance between
  - ii. Invitation to be a voting member
    - 1. Gayle Davis, Darrel Sandlin, Alois Malik, Tam Tamunobere, and Chris Soh are interested as needed
  - iii. Could move to letter ballot sometimes if can't make quorum
  - iv. Randy made motion to approve proposed voting members, Eric seconded. Motion passed 4-0-0-CV.



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- 5. Request for Approval of Las Vegas Minutes** – Secretary, David Baird
- David to revise one item (liaison for 8.10 on the MTG is Alois instead of Ralph)
  - David made motion to approve with noted modification, Randy seconded. Motion passed 4-0-0-CV.
- 6. Request for Any Additions to Current Agenda**
- None
- 7. Section 8 Chair Meeting Report** - Chair, Tim Sechrist and Vice-Chair, Randy Schrecengost
- Randy is rolling off as chair of historical committee but will be participating in sub-committee
  - ASHRAE 2020 will have emphasis on
    - Looking for journal articles of significance to support effort
    - Minimum of 6 but up to 12 for the ASHRAE journal
    - Suggested to consider writing an article (1920 to 2000) – contact Randy if interested
  - Covered seminar and program review
  - Chairs activity report no change but will change to web later
  - ASHRAE website to be updated by January 2018
  - Hightower award – nominations by September 1st

**8. Liaison Reports:**

<b>Section Head</b>	Dustin Meredith
<b>TAC Chair</b>	Michael Bilderbeck
<b>Handbook</b>	Steven Sill
<b>Research</b>	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.*

- Section Head
  - Activity sheet is all that is required tonight
  - TAC roster is approved but can add voting now if desired



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### 9. Subcommittee Reports:

- **Program** - Program Sub-committee Chair, Tam Tamunobere
  - 2 programs scheduled for Chicago
    - “Introduction to New ASHRAE Dedicated Outdoor Air System Design Guide”
      - John Murphy and Sven to be speakers – 60 minutes
      - David made motion to support DOAS program for Chicago, Randy seconded. Motion passed 4-0-0-CV.
    - Indoor pool program concept
      - Maybe a lack of speakers
      - Had been submitted previously but was rejected
      - Deadline is August 1<sup>st</sup> and conduct via letter ballot
    - DOAS Design guide
      - Potential to use forum concept in meeting time but to be discussed further with Craig.
    - Co-sponsorship
      - TC 8.12 co-sponsorship for surgical suites – Liquid and solid desiccant systems for Chicago – Tam
        - Need to know level of involvement and to be handled via letter ballot
      - TC 5.10 looking for co-sponsorship on dish rooms
        - Panel discussion and possible speaker - Kevin
        - Need to know level of involvement and to be handled via letter ballot
      - TC 2.2 to co-sponsor Sensible and Latent load calculations for plants and animals
        - Had co-sponsored it in Las Vegas
        - David made motion to co-sponsor, Eric seconded. Motion passed 4-0-0-CV
    - **Houston programs** – Summer 2017
      - Track 1: HVAC&R Systems and Equipment
      - Track 2: Fundamentals & Applications
      - Track 3: District Energy and Cogeneration Plants
      - Track 4: Safeguarding our HVAC&R System
      - Track 5: Residential: Modern Buildings in Hot & Humid Climates
      - Track 6: Professional Skills
      - Track 7: Research Summit
      - Track 8: HVAC&R Control Freaks
      - Track 9: HVAC&R Analytics
    - Want to be thinking about tracks for Houston so plan ahead
    - DOAS on 920 and 198 standard potential



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- **Handbook** - Handbook Sub-committee Chair, Ralph Kittler
  - Update on new Indoor Pool Handbook chapter
    - Ralph is not attending
    - Natatorium portion was submitted and approved to be a separate chapter
    - Scope identified but no other update
    - Tim to follow up with Ralph Kittler on that
    - Could be a good idea for a seminar in alignment with chapter
  
- **Research** - Research Sub-committee Chair, Alois Malik
  - Chair meeting
    - If somebody needs to do an RTAR, liaison is willing to assist
    - Work Statements now need to include milestones
    - When research is completed, advised to have more distribution of results to public
    - Research funding had surplus last year but not necessarily this year which could mean delays on new topics going forward
  - 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)
    - Desire to continue and move back to a RTAR – led by Craig Burg
    - Alois and Tim will help review prior to submission
  - **1664 – WS:** “Conditioning of Replacement Air for Commercial Kitchen HVAC”
    - Letter ballot held in February 2017 to cosponsor. Motion passed 6-0-0-CV.
  - **1712-RP:** Development of the ASHRAE Design Guide for Dedicated Outdoor-Air Systems
    - This project is now complete
    - Design guide is expected to be available for purchase in the ASHRAE bookstore in time for Long Beach or purchased online.
    - Draft of the DOAS chapter is complete and has been handed over to be reviewed, approved and submitted for publication.
    - Seminar is proposed for winter 2018 meeting in Chicago to introduce and overview this new DOAS design guide.
    - ASHRAE handbook chapter is last piece left and is in review with TC currently.
      - Responses due by August 1<sup>st</sup>
    - Suggestion that residential should look into an RTAR for residential buildings – Scott to take the lead



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- **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 immediately subsequent to the TC meeting
    - Terms official start July 1st with first meeting this afternoon
    - Work plan is first step and should be done quickly
    - Interim meetings planned with offer to be an interested party from outside committee
    - Consultants from labs will be helpful
  - ASHRAE Standard 190-2013, *Method of Test for Rating Indoor Pool Dehumidifiers*
    - Titu Doctor as Chair will give an update
    - Need to complete working plan
    - Meeting afterward
    - Committee approved but a smaller scope
  - Let Craig Burg know if other standards are needed

### **10. TC Web Site** – TC Webmaster, John Murphy

- John Murphy said it was current
- Gayle Davis will take over website
- John Murphy did a great job

### **11. Other Business**

- UL474 portable dehumidifier (cord-connected) discussion for AFI
  - This is no longer required and has been replaced with Canadian standard
  - Do not need to relist
  - Craig Burg and Scott Grefsheim to discuss further

### **12. Motion to Adjourn**

- Eric motioned to adjourn, Tim seconded 4:30 pm