

MEETING MINUTES

TC 6.5 - Radiant and Convective Space Heating & Cooling

Denver

June 24, 2013

Monday, 2:15 pm – 4:15 pm

Secretary: Rob Warnke

Chair: Bill Melvin

Vice Chair: Him Ly

I. Call to Order: 2:15 pm

II. Roll Call: Introduction of voting members, corresponding members, liaisons and guests. Eight voting members present, quorum does exist.

- A. Robert Bean
- B. Him Ly
- C. Bill Melvin
- D. Dave Nazzaro
- E. Peter Simmonds
- F. Birol Kilkis
- G. David Springer
- H. Richard Watson

III. Approval of Minutes from Previous Meeting

- A. Peter made a motion to approve meeting minutes as noted. (Birol 2nd) motion approved 6-0-1. (Dave, Him, Robert, Peter, Dan, & David Springer; Chair - abstain)

IV. TC Chairman's Breakfast Report, Section 6 (Bill Melvin)

- A. Requesting to update BIO's – make sure diversity on different market sectors.
- B. New multidisciplinary task group – Cold Climate Task group – scope on the website.
- C. Deadline for Hightower award – Dec. 1
- D. Local chapter presentations on what TC's are all about (available)
- E. Activities sheet For TC is submitted to TAC after each meeting; new award for the TC that meets the most criteria on the Activities Sheet.
- F. Electronic meeting in Denver is the 4th beta test. Option available to TC6.5 if necessary; has been working well.
- G. ASHRAE has new social media – ASHRAE Exchange is type of forum that gives members opportunity to have open discussion on different items.
- H. Thank you letters to employers.

V. Subcommittee Reports

A. Program (Devin)

UPCOMING CONFERENCES

1. 2014 Winter Conference NYC - January 18-22, 2014
 - a) Conference Paper Abstracts Due: March 15, 2013
 - b) Conference Paper Notifications: April 5, 2013
 - c) Technical Papers Due for Review: April 19, 2013
 - d) Website opens for Seminar/Forum/TPS & CPS Proposals: June 3, 2013
 - e) Seminar, Forum, TPS & CPS Program Proposals Due: August 12, 2013
 - f) New York Sunday meeting at Cooper Union – organized by Peter. Tour as well as have TC meeting; Start tour at 1; Meeting at 2:15
2. 2014 Summer Conference - Seattle, WA: June 28- July 2, 2014

B. Handbook (Peter Simmonds)

1. Chapter 54 – missed last release, but still possible for 2014 release (Applications).
2. Re-submit the Chapter Checklist Form for 2014 and submit as is
 - a) Correspondence between Bill and Chris Ahne regarding the form and it was correct last summer (2012) but sent in for chapter 6.
3. Peter motioned to present chapter 54 as is to handbook committee for publication. (David Nazzaro 2nd) - discussion – motion approved 6-0-1 (David Springer, Him Ly, Peter Simmonds, David Nazzaro, Robert Bean, Birol Kilkis; Chair abstained)
4. Proposed new Chapter in Fundamentals for radiant energy
 - a) Fundamentals next release is 2017 – outline by New York
 - a) Need to provide contents and official request with the topics
 - b) Radiant energy heat exchange
 - c) Design and dimensions for cooling and heating
 - d) Design for ceiling and floor
 - e) Method for cooling capacity
5. Chapter 6 – needs more work but have little bit more time.
6. Infrared portion of all chapters to be covered by Samer.
7. Robert Bean – SIM chapter 51 needs to provide recommendations / more info for concrete; possibly reference a concrete expert.

C. Education

1. IAQ benefits on radiant heating and cooling
2. Standard 55 short course approved with heavy component on radiant. Slides are done and will be on thermal comfort and application of Standard 55.
3. Webinar for Radiant – no further information

D. Research (Daniel Sullivan – not present)

1. Aaron Stotko to write up RTAR for Heat Transfer Coefficient validation
 - a) Peter Simmonds to give Aaron a final RTAR for RP1383 to reference as sample.
2. RP 1383 – modeling software status
 - a) Since Dallas:
 - (1) Energy Plus imported - improved panel temp controls
 - (2) Compatible with SketchUp & Open Studio for drawing project
 - b) Submitting next prototype to Peter by July 3, 2013 for final review
 - c) Submitting final report for completion to ASHRE following review

E. Membership

1. 13 voting members
2. After July – 8 people roll off. Need new voting members.
3. Don Gibbs – TEKMAR new member recruit.

VI. New Business

B. Mark Eatherton executive director of the RPA.

1. RPA – Radiant Professional Alliance taken over and now run by IAPMO
2. Has several committees forming: technical, code, education, & certification
3. Education is key focus... online programs started. Make them easily available.
4. Intent to grow radiant. Working with Canadians and their codes as well.
5. Will be working with the inspectors to educate them and help them understand that RPA has certified designers and installers.
6. Focusing on radiant comfort. Radiant floors, walls ceilings etc.

VII. Peter Simmonds motion to adjourn (4:10PM); (Birol 2nd). Approved 6-0