Minutes
TC 5.03 Research Subcommittee
1:00-2:00 PM, Sunday January 24, 2016
Orlando, Hilton Hotel, Lake Highland A (L)

1. CALL TO ORDER – R. Zimmerman called meeting to order at 1:10 PM.

2. INTRODUCTION OF MEMBERS AND GUESTS

3. RECORDING OF ATTENDANCE

Randy Zimmerman  Frank Cuaderno  Fred Bauman
Krishnan Viswanath  Mike Filler  Ray Sinclair
Curtis Peters  Andrey Livchak  Yan Chen
Klint Leete  Paul Lin  Jose Palma
Jack Stegall  Kevin Gebke  Mo Hosni
Fred Lorch  Harris Sheinman  Kim Hagstrom
David John  Kevin Cash  Julian Rochester
Atila Novoselac  Gaylon Richardson
Hideyuki Amai  Byron Hagan

4. AGENDA REVIEW

5. APPROVAL OF ATLANTA MINUTES – Atlanta, 2015 minutes were approved.

6. REPORTS ON CURRENT RESEARCH PROJECTS

6.1. RP-1546 Expansion and Update ADPI for Overhead Mixing Systems in Both Heating and Cooling (PMS Chair David John) – D. John reported that the final report has been approved by a TC ballot vote so this project is now complete. He will work to refine the results of this project to create guidelines for users. This will likely result in an ASHRAE Journal article.

6.2. RP-1629 Testing and Modeling Energy Performance of Active Chilled Beam Systems (PMS Chair David Pich) – A PMS meeting took place earlier today. J. Zhai provided a full update to the PMS and later an overview update to the chilled beam subcommittee meeting.

7. REPORTS ON TENTATIVE RESEARCH PROJECTS

7.1. TRP-1666 Experimental Evaluation of the Thermal and Ventilation Performance of Stratified Air Distribution Systems Coupled with Passive Chilled Beams (PES Chair R. Zimmerman) – Bids have been received and were evaluated by the PES during a meeting on 01/23/16. The PES will present their recommendation to the TC for approval on 01/25/16. If approved the project will go back to RAC.

8. REPORTS ON CURRENT WORK STATEMENTS

8.1. WS-1729 Experimental Verification of Cooling Load Calculations for Radiant Systems (TC 4.01 Project, John Bade) – F. Bauman reported that this project has been approved with possible minor changes.

8.2. WS-1741 Understanding Fan Coil Components and How They Relate to Energy Consumption and Energy Modeling (Byron Hagan) – On 01/23/16 RAC conditionally approved this project so long as it receives co-sponsorship from TC 4.7 and references Standard 205. D. John and B, Hagan will work to make this happen.

9. REPORTS ON CURRENT RTARS
9.1. RTAR Ventilation Effectiveness of Active Chilled Beam Systems (Tom Rice) – F. Bauman questioned the difference between ACB and overhead difference with regard to ventilation effectiveness. T. Rice wasn’t present to discuss.

9.2. RTAR Hot Water Coil Performance (David John/John Bade) – D. John will continue to work with J. Bade and take into account the latest changes to AHRI 410.

9.3. RTAR Air Curtains (Frank Cuaderno) – F. Cuaderno reported that he needs the results from current research and input from TC 4.7 in order to complete this RTAR.

9.4. RTAR Sound Transmission Through UFAD Floor Systems for Noise Sources in the Floor Plenum (Chris Burroughs/Randy Zimmerman)

10. NEW RESEARCH TOPIC PROPOSALS

11. OTHER BUSINESS

12. ADJOURNMENT – R. Zimmerman adjourned the meeting at 1:44 PM.