



AGENDA

TC 5.03 Research Subcommittee

10:00 AM - 12:30 PM, Sunday June 24, 2018
Houston, Room – Grand G

1. **CALL TO ORDER**
2. **INTRODUCTION OF MEMBERS AND GUESTS**
3. **AGENDA REVIEW**
4. **REPORTS ON COMPLETED RESEARCH PROJECTS**
 - 4.1. RP-1629 Testing and Modeling Energy Performance of Active Chilled Beam Systems (PMS Chair David Pich)
5. **REPORTS ON CURRENT RESEARCH PROJECTS**
 - 5.1. RTAR-1666 *Experimental Evaluation of the Thermal and Ventilation Performance of Stratified Air Distribution Systems Coupled with Passive Chilled Beams* (PMS Chair Randy Zimmerman)
 - 5.2. TRP-1729 *Experimental Verification of Cooling Load Calculations for Radiant Systems* (TC 4.01 Project, John Bade)
 - 5.3. TRP-1741 *Understanding Fan Coil Components and How They Relate to Energy Consumption and Energy Modeling* (PES Chair Byron Hagan)
6. **REPORTS ON TENTATIVE RESEARCH PROJECTS**
 - 6.1. None
7. **REPORTS ON CURRENT RTARS**
 - 7.1. RTAR *Procedure for Estimating Occupied Space Sound Levels in the Application of UFAD Air Terminals and Air Outlets* (Chris Burroughs/Randy Zimmerman/Ken Loudermilk)
8. **NEW RESEARCH TOPIC PROPOSALS**
 - 8.1. RTAR *Procedure for Estimating Occupied Space Sound Levels in the Application of Fan-Powered Air Terminals with High Transmission Loss Casings* (Randy Zimmerman/John Bade/Ken Loudermilk)
 - 8.2. RTAR – Potential co-sponsorship with TC 9.6 proposed research on operating room diffuser arrays with air curtains to build on results from RP-1396. (Matt McLaurin)
 - 8.3. RTAR – Potential co-sponsorship of SSPC 170 proposed research on low velocity diffuser arrays for operating rooms. (Matt McLaurin)
 - 8.4. RTAR – Energy modeling of zone sensitive cooling coils (Ken Loudermilk)
9. **OTHER BUSINESS**
 - 9.1. WS-1819 – CO2 Demand Controlled Ventilation in Multiple Zone VAV Systems with Multiple Recirculation Paths (Zacc Poots)
 - 9.2. Potential of writing an RTAR or Work Statement involving diffusers mounted flush on ductwork
 - 9.3. Look to the ASHRAE website for current RTAR and WS forms
10. **NEW BUSINESS**
11. **ADJOURNMENT**