

THE RESEARCH & TECHNICAL ACTIVITIES REPORT

Michael R. Vaughn, P.E.
Manager
Research and Technical Services

FOR TC/TG/SSPC CHAIRS, VICE CHAIRS &
RESEARCH SUBCOMMITTEE CHAIRS
July 8, 2011

ASHRAE 2011 ANNUAL MEETING

The annual meetings of the Research Administration Committee (RAC), Technical Activities Committee (TAC), Technology Council, and the Board were completed recently in Montreal, Canada.

NEW PROJECTS AWARDED

The following ten projects were approved for award as follows:

- **1410-RP**, “*Effect of System Chemicals toward the Breakdown of Lubricants and Refrigerants;*” Responsible Committee: TC 3.2 (Refrigerant System Chemistry); Co-Sponsor (s): None; Contractor: Spauschus Associates, Inc; Duration: 15 months; Cost to ASHRAE: \$94,300; Supports Research Strategic Goals: D1, D2, D3 (05-10) Plan
- **1413-RP**, “*Developing Standard Procedures for Filling Climatic Data Gaps for use in Building Performance Monitoring and Analysis;*” Responsible Committee: TC 4.2 (Climatic Information); Co-Sponsor (s): None; Contractor: University of Oklahoma; Duration: 18 months; Cost to ASHRAE: \$118,934; Supports Research Strategic Goals: A7, C1, C4 (05-10) Plan
- **1495-RP**, “*Effect of Lubricant on the Distribution of Water between Vapor and Liquid Phases of Refrigerants;*” Responsible Committee: TC 3.3 (Refrigerant Contaminant Control); Co-Sponsor(s): None; Contractor: Intertek; Duration: 4 months; Cost to ASHRAE: \$35,000; Supports Research Strategic Goals: D1 (05-10) Plan
- **1499-RP**, “*The Effect of Humidity on the Reliability of ICT Equipment in Data Centers;*” Responsible Committee: TC 9.9 (Mission Critical Facilities, Technology Spaces and Electronic Equipment); Co-Sponsor(s): SSPC 90.1; Contractor: University of Missouri; Duration: 18 months; Cost to ASHRAE: \$200,000; Supports Research Strategic Goals: A6, D1 (05-10) Plan
- **1550-RP**, “*Thermal Performance of Insulating Coatings on Piping and Ductwork;*” Responsible Committee: TC 1.8 (Mechanical Systems Insulation); Co-Sponsor(s): None; Contractor: R&D Services; Duration: 9 months; Cost to ASHRAE: \$33,100; Supports Research Strategic Goals: A7, C6 (05-10) Plan
- **1557-RP**, “*Lab Comparison of relative Performance of Gas Phase Filtration media at High and Low Challenge Concentrations ;*” Responsible Committee: TC 2.3 (Gaseous Air Contaminants and Gas Contaminant Removal Equipment); Co-Sponsor(s): None; Contractor: Syracuse University; Duration: 24 months; Cost to ASHRAE: \$166,063; Supports Research Strategic Goals: A2, A5, B1, B2 (05-10) Plan
- **1564-RP**, “*Measurement of Oil Retention in the Micro-channel Heat Exchangers;*” Responsible Committee: TC 8.4 (Air-to-Refrigerant Heat Transfer Equipment); Co-Sponsor(s): None; Contractor: Oklahoma State University; Duration: 24 months; Cost to ASHRAE: \$199,975; Supports Research Strategic Goals: A6, C6, D1 (05-10) Plan
- **1584-RP**, “*Assessment of Alternative Approaches to Predicting the Burning Velocity of a Refrigerant;*” Responsible Committee: TC 3.1 (Refrigerants and Secondary Coolants); Co-

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Sponsor(s): None; Contractor: Northeastern University; Duration: 12 months; Cost to ASHRAE: \$59,922; Supports Research Strategic Goals: D2, D3 (05-10) Plan

- **1604-RP**, “*Demand Controlled Filtration for Cleanrooms;*” Responsible Committee: **TC 9.11** (Clean Spaces); Co-Sponsor(s): None; Contractor: Engsysco, Inc.; Duration: 24 months; Cost to ASHRAE: \$175,000; Supports Research Strategic Goals: #1, #7 (10-15) Plan
- **1606-RP**, “*Laboratory testing of Flat Oval Transitions to Determine Loss Coefficients;*” Responsible Committee: **TC 5.2** (Duct Design); Co-Sponsor(s): None; Contractor: University of Illinois; Duration: 15 months; Cost to ASHRAE: \$70,372; Supports Research Strategic Goals: D1 (05-10) Plan

PROJECTS THAT FAILED TO BE FUNDED BY COMMITTEE VOTE - None

PROJECTS PENDING AWARD

Proposals for the following tentative research projects (TRPs) and unsolicited research proposals (URPs) were received prior to the Montreal meeting, but a funding decision could not be made at this meeting for the following reasons:

- **1458-TRP**, “*Modeling Person-to-Person Contaminant Transport in a Mechanical Ventilation Space;*” Responsible Committee: **TC 4.10** (Indoor Environmental Modeling); Co-Reviewers: None; Status: Need recommendation from TC with vote to fund a particular proposal or to submit proposal clarification questions for bidders if additional information is still needed.
- **1504-TRP**, “*Extension of the Clothing Insulation Database for Standard 55 and ISO 7730 to Provide Data for Non-Western Clothing Ensembles, including Data on the Effect of Posture and Air Movement on that Insulation;*” Responsible Committee: **TC 2.1** (Physiology and Human Environment); Co-Reviewers: None; Status: Need recommendation from TC with vote to fund a particular proposal or to submit proposal clarification questions for bidders if additional information is still needed.
- **1592-TRP**, “*CHP Design Guide – Update to the Cogeneration Design Guide;*” Responsible Committee: **TC 1.10** (Cogeneration Systems); Co-Reviewers: None; Status: Need recommendation from TC with vote to fund a particular proposal or to submit proposal clarification questions for bidders if additional information is still needed.
- **1603-TRP**, “*Role of HVAC Systems in the Transmission of Infectious Agents in Buildings and Intermodal Transportation;*” Responsible Committee: **TC 9.3** (Transportation Air Conditioning); Co-Reviewers: TC 2.4 (Particulate Air Contaminants and Particulate Contaminant Removal Equipment), TC 9.6 (Healthcare Facilities), EHC (Environmental Health Committee); Status: Need recommendation from TC with vote to fund a particular proposal or to submit proposal clarification questions for bidders if additional information is still needed.
- **1646-URP**, “*Measurements of Thermal Conductivity of Pipe Insulations at Below Ambient Temperatures and in Wet Condensing Conditions with Moisture Ingress;*” Responsible Committee: **TC 1.8** (Mechanical Systems Insulation); Co-Reviewers: None; Status: Need recommendation from TC with vote to fund or not to fund this proposal or to submit proposal clarification questions for proposer if additional information is needed.

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POTENTIAL PROJECTS FOR BID IN FALL 2011

A portion of the following thirteen tentative research projects that have been approved for bid are expected to be released for bid this fall.

Approved Work Statements Available to Possibly Release for Bid Fall 2011:

- **1399-TRP**, “*Survey of Particle Production Rates from Process Activities in Pharmaceutical and Biological Cleanrooms;*” Responsible Committee: TC 9.11 (Clean Spaces); Status: **Re-bid – TC needs ok from Research Liaison (RL) to rebid with expanded recommended bidders list and possibly revised work statement.**
- **1447-TRP**, “*Performance of Pressurized Stairwells with Open Doors;*” Responsible Committee: TC 5.6 (Fire and Smoke Control); Status: **Ready to Bid.**
- **1462-TRP**, “*Active Mechanisms for Enhancing Heat and Mass Transfer in Sorption Fluids;*” Responsible Committee: TC 8.3 (Absorption and Heat Operated Machines); Status: **Ready to Bid.**
- **1491-TRP**, “*Literature and Product Review and Cost Benefit Analysis of Commercially Available Ozone Air Cleaning for HVAC Systems;*” Responsible Committee: EHC (Environmental Health Committee); Status: **EHC needs to confirm with staff that draft RFP is ready for Bid.**
- **1529-RP**, “*Full-Frequency Numerical Modeling of Sound Transmission in and Radiation from Lined Ducts;*” Responsible Committee: TC 2.6 (Sound and Vibration Control); Status: **Ready to Bid.**
- **1535-TRP**, “*A Heat Transfer and Friction Factor Correlation for Low Air-side Reynolds Number Applications of Compact Heat Exchangers;*” Responsible Committee: TC 8.4 (Air-to-Refrigerant Heat Transfer Equipment); Status: **TC 8.4 needs to confirm with staff that draft RFP is ready for Bid.**
- **1546-TRP**, “*Expansion and Updating of the Air Diffusion Performance Index Method;*” Responsible Committee: TC 5.3 (Room Air Distribution); Status: **TC 5.3 needs to confirm with staff that draft RFP is ready for Bid.**
- **1556-TRP**, “*Characterization of Liquid Refrigerant Flow Emerging from a Flooded Evaporator Tube Bundles;*” Responsible Committee: TC 1.3 (Heat Transfer and Fluid Flow); Status: **Ready to Bid.**
- **1565-TRP**, “*Development of the ASHRAE Design Guide for Dedicated Outdoor-Air Systems;*” Responsible Committee: TC 8.10 (Mechanical Dehumidification Equipment and Heat Pipes); Status: **Re-bid – TC needs ok from RL to rebid with expanded recommended bidders list and possibly revised work statement.**
- **1581-TRP**, “*Develop Alternate Set-up Guidelines for Unitary Air Conditioner Test Configurations Which Cannot Adhere to ASHRAE 37 /ASHRAE 116 specified Duct Dimensions and External Pressure Tap Locations;*” Responsible Committee: TC 8.11 (Unitary and Room Air Conditioners and Heat Pumps) ; Status: **Re-bid – TC needs ok from RL to rebid with expanded recommended bidders list and possibly revised work statement. Potential \$10k in co-funding from AHRTI**
- **1602-TRP**, “*Thermal-Fluid Behavior of Mixed Refrigerants for Cryogenic Applications;*” Responsible Committee: TC 10.4 (Ultra-Low Temperature Systems and Cryogenics). Status: **Ready to Bid.**

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- **1616-TRP**, “*Revise Load Calculation Application Manual;*” Responsible Committee: **TC 4.1** (Load Calculation Data and Procedures). Status: **TC 4.1 needs to confirm with staff that draft RFP is ready for Bid.**
- **1651-TRP**, “*Development of Maximum Technically Achievable Energy Targets for Commercial Buildings (Ultra Low Energy Use Building Set);*” Responsible Committee: **MTG.ET** (Energy Targets). Status: **MTG.ET needs to confirm with staff that draft RFP is ready for Bid.**

Approved Work Statements Still On-Hold for Bid:

- **1634-TRP-C**, “*Guide for Sustainable Refrigerated Facilities and Refrigeration Systems;*” Responsible Committee: **REF** (Refrigeration Committee); Status: **Approval conditions need to be addressed by TC to satisfaction of (RL)**

Work statements for the projects listed above **without the status “Ready to Bid”** require additional information or work from the TC on the draft RFP before they are eligible for possible bid in fall 2011. Revised work statements or approved RFPs for these projects must be submitted to the MORTS on or before **September 15th, 2011** in order to be eligible and ready to possibly bid or rebid in fall 2011.

WORK STATEMENTS REVIEWED AND RETURNED WITH COMMENTS

A total of six work statements were submitted by the TCs for review at the annual meeting. Two were approved as-is, one was conditionally approved, and the following three were returned with comments:

- **1450-WS**, “*Transport of Contaminants from Garage Attached or Integral to Low-Rise Residential Buildings;*” Responsible Committee: **SSPC 62.2** (Ventilation and Acceptable IAQ in Low-Rise Residential Buildings); Co-Sponsors: TC 4.3; Status: **Returned with comments.** Work with Research Liaison to resolve RAC’s comments before resubmitting.
- **1588-WS**, “*Representative Layer-by-Layer Descriptions for Fenestration Systems with Specified Bulk Properties such as U-Factor and SHGC;*” Responsible Committee: **TC 4.7** (Energy Calculations); Co-Sponsors: TC 4.5 (Fenestrations); Status: **Returned with comments.** Work with Research Liaison to resolve RAC’s comments before resubmitting.
- **1640-WS**, “*Hot Water Use in Office Buildings;*” Responsible Committee: TC 6.6 (Service Water Heating Systems); Co-Sponsors: None; Status: Returned with comments. Work with Research Liaison to resolve RAC’s comments before resubmitting.

A revised work statement for the project listed above can be submitted to the MORTS on or before August 15, 2011 in order to be considered at RAC’s next meeting. If it can’t be revised that quickly, the next deadline for RAC consideration of this work statement is December 15, 2011.

WORK STATEMENTS PREVIOUSLY RETURNED TO TCs

TC/TGs should work with their Research Liaison to respond to written comments on the work statement provided by RAC via letter and revise the work statement appropriately. You can find a copy of the last draft submitted to RAC along with RAC’s comments by clicking on the links in the Society’s Research Implementation Plan posted on the “Research” page of the ASHRAE website. Please note that topics will be dropped from this plan if the work statement is not approved for bid after four years on the plan. The work statement forms that are now in use by RAC for Society year 2011-2012 can also be found on the “Research” page www.ashrae.org/research

New or revised work statements and RTARs need to be received by the Manager of Research and Technical Services (MORTS), Mike Vaughn, morts@ashrae.net, no later than **August 15, 2011** to be considered at RAC’s September meeting.

REVIEW OF RESEARCH TOPIC ACCEPTANCE REQUESTS (RTARS)

RAC reviewed thirteen RTARs at their annual meeting and approved the following four for inclusion in the Society's Research Implementation Plan and for further development into work statements:

- **1629-RTAR**, "*Testing and Modeling Energy Performance of Active Chilled Beam Systems;*" Responsible Committee: TC 5.3 (Room Air Distribution); Status: Conditionally Accepted. Work with Research Liaison to make minor revisions to RTAR and then proceed with development of work statement.
- **1639-RTAR**, "*Comparative Lab and Field Evaluation of Building Pressure Control Methods;*" Responsible Committee: 1.4 (Control Theory and Application); Status: Conditionally Accepted. Work with Research Liaison to make minor revisions to RTAR and then proceed with development of work statement.
- **1645-RTAR**, "*Development of New Accelerated Corrosion Tests for All-Aluminum Microchannel and Tube and Fin Heat Exchangers;*" Responsible Committee: TC 8.4 (Ventilation Requirements and Infiltration); Status: Accepted. Proceed with development of work statement.
- **1649-RTAR**, "*Simplified Procedure for Calculating Exhaust/Intake Separation Distances;*" Responsible Committee: TC 4.3 (Ventilation Requirements and Infiltration); Status: Conditionally Accepted. Work with Research Liaison to make minor revisions to RTAR and then proceed with development of work statement.

RTARs Returned or Rejected with Comments:

- **1549-RTAR**, "*A Study of Flow Capacity and Leakage Characteristics in 4-way Reversing Valves;*" Responsible Committee: TC 8.8 (Refrigerant System Controls and Accessories); Status: Rejected.
- **1609-RTAR**, "*Defining the Capabilities, Needs and Current Limitations of Building Information Modeling (BIM) in Operations and Maintenance;*" Responsible Committee: TC 7.3 (Operation and Maintenance Management); Status: Returned.
- **1638-RTAR**, "*Absorption Refrigeration Computer Simulator;*" Responsible Committee: TC 8.3 (Absorption and Heat Operated Machines); Status: Returned.
- **1642-RTAR**, "*Improved Compressor Performance Modeling Methodology for Use in System Simulation Programs;*" Responsible Committee: TC 8.11 (Unitary and Room Air Conditioners and Heat Pumps); Status: Returned.
- **1643-RTAR**, "*Evaluation of the Ability of Cooling Tower Drift Eliminators to Remove Legionella from Effluent Air Stream;*" Responsible Committee: TC 3.6 (Water Treatment); Status: Returned.
- **1644-RTAR**, "*Smoke Control in Long Atria;*" Responsible Committee: TC 5.6 (Control of Fire and Smoke); Status: Returned.
- **1647-RTAR**, "*Economic Envelope Cost Data Base in Support of Standard 90.1;*" Responsible Committee: TC 7.6 (Building Energy Performance); Status: Returned.
- **1648-RTAR**, "*Developing Models to Represent Existing Building Stock Energy Performance;*" Responsible Committee: TC 7.6 (Building Energy Performance); Status: Rejected.
- **1650-RTAR**, "*Training Requirements for Sustainable, High Performance Building Operation to Optimize Operations and Achieving Design Expectations;*" Responsible Committee: TC 7.3 (Operation and Maintenance Management); Status: Returned.

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The RTAR form that is now in use by RAC for Society year 2011-2012 can be found on the “Research” page of the ASHRAE website, www.ashrae.org/research

The next deadline for submitting new or revised RTARs and WSs is **August 15, 2011** for consideration at the fall 2011 meeting of RAC.

SOCIETY RESEARCH IMPLEMENTATION PLAN

The Society Research Implementation Plan is now being updated following the annual meeting of RAC. New RTARs will be added and tentative research project RFPs will be added or dropped depending on their bid status. This change to the way the implementation plan is updated necessitated that time limits be placed on how long a topic can remain on the plan without being approved for bid. The summer updates to the plan should be in place by August 1, 2011 or sooner. Please review the latest draft of the Implementation Plan posted on the ASHRAE “Research” page to see if any topics your TC is sponsoring are in danger of being dropped from the plan.

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DEADLINES

The following deadlines apply for the next several months. Please recognize that they are not arbitrarily set, but are set to meet subsequent events. So if you miss them, your input may be delayed for six months or in some cases, for a year. All submissions should be sent to the Manager of Research and Technical Services (MORTS), Mike Vaughn, (morts@ashrae.net).

- July 15, 2011** Presentation proposals for the High Performance Buildings Conference, which will be held March 12-13, 2012 in San Diego, CA, are due by this date. Submit online at www.ashrae.org/HPBconference
- August 12, 2011** Deadline for program proposals (seminars and forums) to be submitted for the 2012 winter meeting in Chicago, IL. The meeting theme is “The Impact of HVAC&R on our Daily Lives.” Conference Website: <http://www.ashrae.org/chicago/>
- August 15, 2011** New or revised Work Statements and RTARs are due to MORTS for RAC consideration at the 2011 fall RAC meeting.
- August 30, 2011** TC/TG/TRG meeting minutes from the Montreal meeting are posted on TC website and distributed to membership by this date.
- September 1, 2011** Nominations for the 2011-2012 George B. Hightower Technical Achievement Award for TC volunteer efforts over the past four years in areas except research and standards are due to TAC section heads.
- September 15, 2011** Conditionally approved tentative research projects that are approved for bid or re-bids must have all conditions satisfied with section Research Liaison and be in the hands of the MORTS by this date or sooner if they are to be eligible for possible bid in the fall 2011.
- September 26, 2011** Full Technical paper drafts and Conference paper abstracts are due for the 2012 Annual Meeting in San Antonio, Texas. Seminar and forum session proposal are due February 13, 2012. Conference Website: www.ashrae.org/sanantonio/
- September 30, 2011** Nominations for the 2011-2012 Service to ASHRAE Research Award for TC volunteer efforts in research are due to RAC research liaison.
- October 14, 2011** Fall 2011 tentative research projects (TRPs) are released for bid.
- October 21, 2011** Completed TC/TG/TRG Meeting room request form for 2011 winter meeting due to Judy Marshall (jmarshall@ashrae.org) at ASHRAE HQ. Subcommittee meeting rooms must be requested each meeting or they will be dropped automatically.
- November 30, 2011** TC/TG/MTG/TRG Chairs receive 2012-13 roster update workbook for completion.
- December 1, 2011** Applications for the ASHRAE New Investigator Award are due to MORTS.
- December 15, 2011** Applications for ASHRAE Graduate Student Grant in Aid program are due to MORTS.
- December 15, 2011** Nominations for the ASHRAE Homer Addams Award, which is given to graduate students assisting in current or recently completed ASHRAE sponsored research projects, are due to MORTS.
- December 15, 2011** Bids are due for all Tentative Research projects (TRPs) released in fall 2011.

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| December 15, 2011 | New or revised Work Statements and RTARs are due to MORTS for RAC consideration at the 2011 winter meeting. |
| December 21, 2011 | TC/TG/TRG meeting agenda for the Chicago meeting are posted on TC website and distributed to membership. |
| January 24, 2012
Midnight | Roster update workbooks for 2012-2013 TC/TG/MTG/TRG rosters are due to section head |
| January 24, 2012
Midnight | Contractor recommendations are due to MORTS for all TRPs bid in fall 2011 or before. Place the Proposal Evaluation Summary sheet in MORTS lockbox outside ASHRAE Headquarters Room in Chicago. |

OTHER NEWS

1. ASHRAE Innovative Research Grant Program – NEW!

The ASHRAE Innovative Research Grant is a new program to provide seed funding for novel research deemed to have the potential to significantly advance the state-of-the-art in heating, ventilating, air-conditioning and refrigeration engineering. The idea is to encourage out-of-the box research to complement the research proposed and guided by technical committees. This award will carry a base grant of \$50,000 per year for two years, with an additional \$25,000 available in the third year if it is matched by an industrial contributor. The intent is to fund one award each year. However, RAC is not obligated to make an award every year if there is not an outstanding proposal, especially when research funds are limited.

A two-phase process managed by RAC will be used to select grant awardees. The initial phase will begin in the summer each year and entail the evaluation of pre-proposals consisting of a two-page whitepaper and two-page curriculum vitae for the principal investigator. Full proposals will be invited from five or fewer individuals in early March, and the possibility exists that there will be no invited full proposals if the pre-proposals fail to identify a project of sufficient novelty and merit.

Pre-proposals are due September 1 this year and should be submitted to ASHRAE's Manager of Research & Technical Services, Michael Vaughn, mvaughn@ashrae.org, and should include "ASHRAE Innovative Research Grant Submission" as the subject line in your message.

2. ASHRAE Research – International Dissemination Travel Grant Program – NEW!

A new International Travel Grant was also approved at Montreal that supports Direction 4 (ASHRAE will be a global leader in the building and energy system community.) of the ASHRAE Strategic Plan. This grant is offered to the principal investigators of ASHRAE sponsored research projects to improve worldwide dissemination of results from ASHRAE research. During the course of the research project or within one year of the completion of the project, the principal investigator (PI) for an ASHRAE sponsored research project will have the option of applying for this International Travel Grant to support travel expenses to a conference outside of North America to present a paper that is related to their ASHRAE research project. The maximum amount of the award is \$2500 and must be approved based on documentation from the PI regarding the conference, the paper that will be presented and a breakdown of the travel expenses. Grant requests should be submitted to the Manager of Research and Technical Services, Mike Vaughn, at mvaughn@ashrae.org or MORTS@ashrae.net.

3. Multidisciplinary Task Groups (MTG)s

A new ASHRAE technical committee type under TAC entitled Multidisciplinary Task Group (MTG) has been created as follows to address emerging technical topics and goals of the Society that are broader in scope or can be handled by a single TC:

Multidisciplinary Task Group (MTG): a committee of technical experts appointed by TAC when the Society has determined a need for activity in a field of interest that encompasses the expertise of TCs from two or more sections and/or from non-TC groups such as SSPCs or outside organizations. Each TC and non-TC group whose field of interest falls within the MTG defined scope, or is added after the MTG starts, shall have a voting representative on the MTG. The functions of an MTG may include Handbook, Program, Publications, Research, and Standards as required by their specific charge, but the customary function of the MTG will be to coordinate those activities within the TCs and non-TC groups represented on the MTG

The following four MTGs have been formed so far:

MTG.BIM Building Information Modeling

Chair: Chris Wilkins

Current Representation: TC 1.5, TC 4.1, TC 4.2, TC 4.7, TC 7.1, TC 7.3, SGPC20, SPC205P and the US GSA

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MTG.BPM Building Performance Metrics

Chair: Tom Phoenix

Current Representation: TC 2.8, TC 7.4, TC 7.6, TC 7.9, SSPC 90.1, SSPC 90.2, GPC 14, BOMA, CIBSE, EHC, GSA and ISSO

MTG.EEC Energy Efficient Classification of General Ventilation Air-Cleaning Devices

Chair: Christine Sun

Current Representation: TC 2.3, TC 2.4, SSPC 90.1 and SSPC 90.2

MTG.ET Energy Targets

Chair: Rick Hermans

Current Representation: Professional Development Committee (PDC), Research Administration Committee (RAC), Research Promotion (RP), SPC 105, SPC 189.1 and Standards Committee (StdC).

Please contact me for additional information on any of these MTGs and their activities.

4. Useful TC/TG/TRG Chair Information and forms on ASHRAE website

Information for TC/TG/TRG chairs can be found on the Technical Committee page of the ASHRAE website at the following link: <http://www.ashrae.org/technology/page/104>.

The TC/TG/MTG/TRG Manual of Procedures (MOP) and TC/TG/MTG/TRG Scopes documents have been revised to include information on and procedures for the new Multidisciplinary Task Groups.

The current roster with contact information for the committees to which you are a member can be accessed at www.ashrae.org by logging into the "Members' only" section. Once you log-in, go to update your bio and select the option "My Committees."

5. Upcoming Advanced Energy Design Guide (AEDG) Releases and Broad Peer Reviews

The following four reviews are planned between now and the annual meeting:

- 50% AEDG for Small-Med Office Buildings
 - Document now available for purchase & download
- 50% AEDG for K-12 School Buildings
 - All Reviews completed.
 - Document will be available for download & purchase in October 2012
- 50% AEDG for Mid-Big Box Retail Buildings
 - First review completed in June 2011
 - **Final Review targeted for August 1-15**
 - Document will be available for download & purchase in January 2012
- 50% AEDG for Large Hospitals
 - **First review targeted for August 22 to September 5**
 - **Final review targeted for October 31 to November 11**
 - Document will be available for download & purchase in May 2012

All dates listed above are subject to slight adjustment. Please check the AEDG section of the ASHRAE website at the following link for the latest information:

<http://www.ashrae.org/technology/page/938>

6. New "Help Wanted" section for TCs to be Added to ASHRAE Website

A new "Help Wanted" section will be added to the Technical Committee page of the ASHRAE website so that TCs can advertise requests for help. Requests could include calls for new members, a

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webmaster, reviewers and contributors for a handbook chapter or special publication, special expertise that resides outside the TC, equipment donors for a research project, etc. Requests should be for opportunities that need to be fulfilled within the next 6-12 months. Chapter Technology Transfer Committee (CTTC) will assist in this effort by making sure ASHRAE chapters are aware of this request list. Please pass on any requests for your TC on to the Manager of Research and Technical Services, Mike Vaughn, at mvaughn@ashrae.org or MORTS@ashrae.net.

7. Subcommittee Meetings via Conference Calls and Web Meetings:

More and more TCs are taking advantage of a new Society service that allows TCs to hold subcommittee meetings by phone and/or web. Many TCs are finding this to be a more efficient way for them to conduct subcommittee business and it also allows TC members that can't travel to meetings on a regular basis a way to still contribute to the TC. Such a change can also eliminate potential conflicts with the TC's program sessions at Society meetings. Please pass your conference call/web meeting/webinar requests on to the Manager of Research and Technical Services, Mike Vaughn, at mvaughn@ashrae.org or MORTS@ashrae.net

8. Upcoming Workshops and Conferences

- **10th IEA Heat Pump Conference 2011**(Heat Pumps – The Solution for a Low Carbon World), June 27-August 31, 2011 – Web Conference Due to Earthquake. <http://www.hpc2011.org/>
- **ECOS 2011** (24th Intl Conference on Efficiency, Cost, Organization, Simulation & Environmental Impact of Energy Systems), July 4-7, 2011. <http://www.ecos2011.com/>
- **23rd IIR International Congress of Refrigeration**, August 21-26, 2011, Prague, Czech Republic. <http://www.icr2011.org/>
- **48th AICARR International Conference**, September 22-23, 2011, Lago Maggiore, Italy. <http://www.aicarr.org/>
- **ISHVAC 2011**: 7th International Symposium on Heating, Ventilating and Air-Conditioning, Nov. 6-9, 2011, Shanghai, China. <http://www.ishvac2011.org>
- **Building Simulation 2011**: 12th International Conference of the International Building Performance Simulation Assoc (BS2011), Nov. 14, 16, 2011. www.bs2011.org

Please let me know if I can be of any other assistance.

Sincerely,
Mike Vaughn