



STANDARDS COMMITTEE (STDC)

At its meeting in Albuquerque, Standards Committee will be considering the approval of a completely revised Project Committee Manual of Procedures (PC MOP). The proposed changes include some changes to the Rules of the Board that may speed up the approval processes for PC membership and changes to policy-level titles, purposes, and scopes. Additional proposed changes include more frequent public review cycles for standards not currently referenced in codes and the ability to place contentious portions of a standard out for public review prior to it being ready for publication public review approval.

Standards Committee, Tech Council and the Board should be considering the final addenda from SSPC 90.1 for inclusion in the 2010 version of Standard 90.1-2010 at the Albuquerque meeting. A request for a conference call in July may be considered in order to include several addenda that may provide significant energy savings that would help 90.1-2010 meet its 30% more energy efficient target.

An adopted version of Standard 90.2 has been created for use in Kuwait and now it is up to the ministry in Kuwait to put it into its laws or codes. This document has been adapted to include some portions of Standard 90.1 and Standard 62.2. ASHRAE volunteers provided training on this new document to the local chapter and some people in the ministry.

Steve Bushby, Standards Committee Chair

SPECIAL PROJECTS SUBCOMMITTEE (SP SUBC)

As was highlighted in the last Members First newsletter, ASHRAE regularly conducts "Special Projects," typically funded wholly or in large part by outside sources, to complete needed work that exceeds ASHRAE's own budgetary capabilities. Fourteen Special Projects are currently active.

In the last issue we noted that ASHRAE has received funding from the National Institute of Standards and Technology for research on *Ventilation and Indoor Air Quality in Retail Stores*. The scope of work has since been developed by TC 4.3 and this Special Project (SP 98) was put out for bid by the Research Administration Committee this spring, with proposals

to be reviewed at the Annual Meeting in Albuquerque. ASHRAE staff has worked with the Retailer Energy Alliance (a partnership of retailers working with the U.S. Department of Energy) to identify candidate buildings for field monitoring. The project is expected to start later this summer.

One of ASHRAE's Special Projects (SP 95) will co-sponsor the eleventh international conference on Thermal Performance of the Exterior Envelopes of Whole Buildings in Clearwater Beach, Florida December 5-9, 2010. This conference takes place every three years.

SP 124 is revising ASHRAE's *Underfloor Air Distribution Design Guide* to reflect lessons learned from early UFAD systems. TRG 7.UFAD is developing the revised guide, under the leadership of Dan Int-Hout and Jim Megerson.

Other Special Projects are currently developing a Users' Manual for Standard 189.1 and updating the manuals for Standards 90.1, 62.1 and 62.2.

Martha Hewett, Special Projects Subcommittee Chair

REFRIGERATION COMMITTEE (REF)

REF approved Mr. David Hinde as the winner of the George C. Briley ASHRAE Journal Article Award for his article titled "CO₂ in North American Supermarkets". The Briley Award plaque will be presented at the Refrigeration Committee meeting at ASHRAE's Annual Meeting in Albuquerque. The article, published in the February 2009 edition of the Journal and is available at www.ashrae.org/ashraejournal.

REF Committee developed a list of refrigeration speakers as a resource to chapters seeking technical presenters for chapter meetings. The list, posted on the [Refrigeration Committee](http://www.ashrae.org/ashraejournal) website, is sorted by region with speaker names, topics and other information. REF is seeking additional speakers to represent all ASHRAE regions and refrigeration topics. Those interested in participating as a speaker may contact amorts@ashrae.net.

Kent Anderson, REF Chair

ASHRAE Technology is for ASHRAE members. The **Members First!** newsletter is issued after each Technology Council meeting to provide highlights of ASHRAE technical activities and keep members informed. Our goal is to make the work of the technical side of ASHRAE open to all ASHRAE members. If you have technical questions for ASHRAE, please contact Steve Hammerling, Assistant Manager of Research and Technical Services, at 678 539-1158 or via email at shammerling@ashrae.org.

Your feedback is welcome and encouraged! Please write to Bill Bahnfleth, Vice Chair, Technology Council via email at TechCViceChair@ashrae.net



RESEARCH ADMINISTRATION COMMITTEE (RAC)

As Chair of RAC, I am continually in awe of the extraordinary amount of time and effort ASHRAE members at all levels contribute to ASHRAE research. Technical Committee members work hard to identify needed research and develop biddable work statements. This effort usually takes a lot of creative writing, literature review and research, and numerous cycles of reviews and edits, all presided over by the Research Subcommittee Chair of the TC. RAC members, especially the research liaisons, work with the TCs to improve the work statements, enlist other TCs' cooperation and contributions, carefully review all submissions and suggest improvements, explain to the TC why RAC's requests really aren't unreasonable, and strive to prepare a request for proposals that will result in a project that achieves the original research objectives. Even then, the TC's work is just beginning. Diligent review of all proposals by the TC (and RAC liaison) is required, making sure the evaluation is fair and thorough. After award, the Project Monitoring Subcommittee (PMS), composed of TC members and research sponsors, is charged with keeping the project on track, reviewing interim results, and offering the researchers the benefits of the TC's knowledge and experience. I have been impressed with the care taken by Project Monitoring Subcommittees to make sure the approach is rigorous and the research results defensible. Many times PMS members have visited the researchers, on their own time, to look over experimental apparatus or to consult with the investigators. Research projects, by their nature, are fraught with uncertainties and problems, and the PMS is ASHRAE's primary guarantor of quality.

My point is that while RAC works hard to administer and assist with the research program, we are but the tip of the volunteer iceberg; without the many, many often unsung work statement writers, reviewers, proposal evaluators, and technical monitors, ASHRAE research could not hope to accomplish a fraction of what it has. The breadth of research topics mirrors the wealth of expertise of ASHRAE membership: component design, refrigerant testing, building modeling, design standards, air quality improvements, improved safety and comfort, design and analysis tools,...the list of areas covered by ASHRAE research literally fills volumes. I know the titles of many projects seem a bit esoteric or obscure; these are subjects only an HVAC&R engineer or architect could love! But each project is carefully crafted, monitored, reviewed and applied to add to our body of knowledge and best practices, improving the built environment and refrigeration.

And ASHRAE research does make a difference. Today more than ever the world increasingly looks to us for innovation, codes and standards, reference materials, certification of expertise, and improvement of education. ASHRAE research has supported development of key building energy and ventilation standards such as 55, 62, and 90.1. It has

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contributed to the continuing excellence of the ubiquitous *Handbook* found in engineering offices and university classrooms throughout the world. It has helped identify and mitigate pathogens in HVAC systems that threaten our health. It has developed methods and design guidelines to preserve our lives in the face of fire and smoke events.

No, not every research project is of world-changing significance. But they are all carefully and diligently executed. And, as a body, ASHRAE research *has* changed our world for the better. This is exemplified by the cooperation – and co-funding – we have received from industry bodies such as Air-conditioning, Heating and Refrigeration Institute (AHRI) and *Chartered Institution of Building Services Engineers* (CIBSE); the reliance on ASHRAE standards, literature and research by the U.S. Department of Energy and many Annexes of the International Energy Agency; and the active participation within the many local ASHRAE chapters and student chapters.

I'd like to close my last Members First article as RAC Chair (after the June meeting RAC will be in the capable hands of Jim Braun of Purdue University) by not only thanking you again for your contributions to ASHRAE research, but also by assuring you that you can be proud of what those contributions have accomplished. But your time and expertise can prove even more invaluable than your financial contributions. If you're interested in taking a more active role in research or other ASHRAE activities, let us know. TCs are always hungry for new, dedicated members. Standing committees, such as RAC, really do welcome chapter input and try to be responsive to Chapter needs. Currently, the whole world is focusing on buildings' space conditioning performance, energy, comfort, safety and health. ASHRAE is no longer a sleepy old technical society; we're in the spotlight now. Help us meet that challenge.

P.S. don't forget to check out the latest ASHRAE research news and review the new Strategic Plan for ASHRAE Research on our Web page (<http://www.ashrae.org/technology/page/39>)

Larry Markel, RAC Chair



ENVIRONMENTAL HEALTH COMMITTEE (EHC)

Proposed new ASHRAE Guideline 10P *Interactions Affecting the Achievement of Acceptable Indoor Environments* has been released for a second public review. This Guideline is intended to provide the user with the currently available knowledge on the effects of interactions on achieving acceptable indoor environments. In contrast to ASHRAE Standards 55 and 62 that address thermal comfort and IAQ respectively but separately, this document emphasizes interactions among these and other indoor environmental factors with the intention of increasing readers' understanding of how to improve the acceptability of the indoor environment.

ASHRAE's IAQ 2010 Conference, *Airborne Infection Control – Ventilation, IAQ & Energy*, will take place November 10-12, 2010. IAQ 2010 is the 16th in the ASHRAE IAQ Conference series that started in 1986 and will be the first IAQ conference hosted outside of the United States as the Malaysian chapter welcomes the event to the capital of Malaysia - Kuala Lumpur. The focus of ASHRAE's IAQ 2010 Conference will be Airborne Infection Control. The conference will explore related questions on the role of HVAC in airborne infectious disease transmission, evaluation of the various design and control strategies and technology, pandemic preparedness, and airborne infection control for various applications such as healthcare facilities, air and surface transportation, schools, offices, etc. Information on conference themes, keynote speakers, the venue, and other promotional information is available at the conference website (www.ashrae.org/iaq2010).

Finally, EHC is completing work on several briefs which are intended to inform the ASHRAE board and membership on significant emerging environmental health issues. Current topics include "The Roles and Responsibilities of Professional Engineers Related to Environmental Health", "Unknown & unintended health implications of sustainable development design", and "Ozone/Indoor Air Chemistry". A brief on "Ventilation, humidity control and health effects in buildings using split system air conditioning equipment" was finalized at the Orlando meeting and is now available along with past briefs on the EHC page at <http://www.ashrae.org/members/page/189>.

Steve Emmerich, EHC Chair

TECHNICAL ACTIVITIES COMMITTEE (TAC)

We will soon be participating in the Annual meeting in Albuquerque, which will be the first meeting with the new format of technical papers, conference papers, seminars, and forums. Thanks to all of the Technical Committees (TCs) for their patience as we make this major change in the Technical Program. A recurring concern for the last several meetings has been the lack of program slots for subject matter not oriented towards building design applications. While these issues

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still exist for the Albuquerque meeting, this issue is being addressed for future meetings. There will be additional program tracks not tied as closely to the program theme for the January 2011 meeting in Las Vegas. Conferences and Expositions Committee (CEC) has been very responsive to our suggestions for improvements to the Technical Program procedures, but the lead time is very long for making these sorts of procedural changes. Please continue to provide input to TAC through your TC chairs and section heads on Technical Program issues so that we can continue to improve this process.

Please remember, however, that under the new procedures a seminar is 3rd in priority for program slots behind technical papers and conference papers, instead of 2nd in priority after only Transactions sessions (previously called Symposia.) Members planning a program are strongly encouraged to submit a paper session, because it will have a much better chance of receiving a program slot. The review process for a conference paper, while more than for a seminar, is much less than for a Transactions session under the old procedures.

In order to better communicate TC activities to the greater ASHRAE community and to provide better communication within the TC's, TAC is strongly encouraging TC's to set up and properly maintain their TC websites. We are making progress on this, but some TC's still either don't have a website or have websites which are badly out of date. But the number of TC's with complete and up-to-date websites is growing.

Thanks to all the TCs that submitted candidates for the Hightower Award last year. Both the quality and the quantity of the applications was greatly improved compared to previous years. It was a difficult choice to make with so many qualified applicants. As mentioned in the previous Members First! issue, Dharam Punwani was selected for the 2009-2010 Hightower Award. Remember that the nomination deadline for the 2010-2011 Hightower Award is September 1st.

The TC/TG Manual of Procedures (MOP) has been modified to encourage greater participation via the provisional corresponding member category, and the International Member designation is no longer used for members from outside of North America. The voting member-non quorum category is now available for members with travel hardships, regardless of their nationality. If you have any comments, suggestions, are confused about these changes, please let your TC chair or section head know.

We should continue to recruit new members to ASHRAE, and make them feel welcome in the TCs. In particular, try to welcome members from outside of North America, and encourage their involvement in the work of the TCs.

Don Brundage, TAC Chair

To sign up for the Members First! Newsletter Listserv, please use the following link:

<http://www.ashrae.org/publications/detail/16150>