

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS,
 INC.
 1791 Tullie Circle, N.E.
 Atlanta, GA 30329
 404-636-8400

TC MINUTES COVER SHEET

TC/TG/TRG NO. TC 5.2 DATE June 26, 2018

TC/TG/TRG TITLE Duct Design

DATE OF MEETING June 26, 2018 LOCATION Houston, TX

MEMBERS PRESENT	TERM TO	MEMBERS ABSENT	Y E A	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Tim Eorgan, Chair	6/30/19			Larry Smith, Section 5 Head, CM
John Constantinide, Sec.	6/30/21		X	Ralph Koerber, CSI Chair, CM
	6/30/18	Johnny Andersson*		Kevin Gebke, Research/Stds Chair, CM
Pat Brooks, ALI Coord.	6/30/19			Steve Idem, Hon. & Awards Chair, CM
David Dias	6/30/19			Akshay Bhargava, Membership Chair, CM
John Hamilton	6/30/19			Bob Reid, Historian, CM
	6/30/20	Cindy Bittel, Webmaster	X	Allison A Bailes III, PCM
Bill Smith	6/30/20			Robert Hassler, CM
Neal Walsh	6/30/20			Marcus Bianchi, CM
Wes Davis	6/30/21			Mark Smith, CM
	6/30/21	John Gierzak		Nisal Woren, G
Ralph Koerber	6/30/21			Perry Philip, CM
Chris VanRite	6/30/21			Shawn Ohara, G
				Mark Terzigni, CM
				Craig Wray, CM
				Duane Smith, CM
				Randy Young, G
				Bruce Meyer, CM
				Micah Dawson, G
				Kezhen Shen, G
				Charlie Culp, G
				Gus Faris, G
				Billy Prewitt, G

* Member Non-Quorum

CM = Corresponding Member

PCM = Provisional Corresponding Member

G = Guest

DISTRIBUTION

All Members of TC plus the following:	
TAC Section Head	Larry Smith
TAC Chair	Kelley P Cramm
2017 Handbook Liaison (Fundamentals)	Dr. Bass Abushakra
2020 Handbook Liaison (Systems & Equipment)	Florentino Rodriguez
Research Liaison	Dennis L. Loveday
Standards Liaison	Dr. Arsen Melikov
ALI/PDC	James Bochat
Chapter Tech Transfer	Somasundaram Natarajan
Staff Liaison	Mike Vaughn

**AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING
ENGINEERS**

**1791 Tullie Circle, N.E.
Atlanta, GA 30329**

ASHRAE Winter Conference, Chicago, IL

TC 5.2 Duct Design

Tuesday, June 26, 2018

Time: 3:30-6:00 PM

Location: Hilton Americas-Houston, Floor 3, 337A

1) Call to Order

2) ASHRAE Code of Ethics Commitment (Tim Eorgan)

“In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interest.” (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)

3) Introductions and Attendance

- a. Introduction of people present
- b. Quorum was reached with 10 members
- c. Quorum requires 8 members present
- d. Corrections/additions and approve agenda

4) Chicago (January 2017) Meeting Minutes

Minutes from the Chicago meeting were approved by electronic ballot

March 26, 2018, 10-0-1-3 CV

Approved minutes were uploaded to Basecamp

5) Special Announcements

- a. Section 5 Handbook Liaison: Expectation for TCs to start work on chapter revision of 2020 HVAC Applications Handbook. Also, revision for 2021 Fundamentals Handbook chapters must be complete by 2020.
- b. ASHRAE Vision – ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider or opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning, and refrigerating.

6) Section Report

- a. Section Head 5.0 Highlights --- The Section 5.0 Chairman’s breakfast was held last Sunday morning. See **Attachment A** for handouts at the meeting.

7) TC 5.2 Items (T. Eorgan)

- a. Thank you to the members who reviewed ASHRAE Journal submission pertaining to duct design. The article, “Simpler Duct Systems,” was reviewed by 3 members.
- b. Articles about disaster relief, resiliency, and related topics are of interest in the ASHRAE Journal.

- c. Heat transfer presentation was delivered yesterday during the Subcommittees meeting.

8) Subcommittee Reports

- a. Subcommittee meeting notes are in **Attachment B**.
- b. Honors and Awards (Steve Idem)
 - i. The ASHRAE Foundation, with the sponsorship of TC 5.2, has created the Herman and Dorothy Behls Travel Award and the Herman and Dorothy Behls HVAC Design Certification Award. Details about the award are on Basecamp.
 - ii. Several donors have already donated and made a great start for the donation.
 - iii. The link to donate is as follows:
<https://xp20.ashrae.org/secure/foundation/foundation.html>
 - iv. All documents produced by Herman Behls is now stored in an ASHRAE document repository to be digitized or be left as a document.
- c. Handbook
 - i. 2020 Handbook: HVAC Systems & Equipment, Duct Construction Chapter - David Dias, Ralph Koerber, Bob Reid
 - ii. 2021 Handbook: Fundamentals - Duct Design Vikram Murthy, Wes Davis, John Constantinide, Jeff Boldt
- d. Membership (Akshay Bhargava)
 - i. 6 new PCMs
 - 1. Kautuk Dikshit
 - 2. Janarthanan Murugesan Mudaliar
 - 3. Billy Prewitt
 - 4. Sahil Priyadarshi
 - 5. Stan J Rusek
 - 6. Jeremy Andrew Smith
 - ii. Mentorship: latch on to a PCM for that member to get better acquainted with the process
 - iii. New individuals joining the committee must go to the website at www.ashrae.org/joinatc. By joining online, you are instantly placed on the committee and gives you immediate access to committee functions.
- e. Programs (Steve Idem)
 - i. TC 5.3 is going to propose several programs, which may be sponsored or co-sponsored by TC 5.2. Kevin Gebke will follow up with Steve Idem.
 - ii. Chris Van Rite will follow up on programs from Florida Solar Energy Center research results.
- f. Duct Design Guide (DDG) (Pat Brooks)
 - i. Reviewed several chapters and received critiques from Jeff Boldt
 - ii. Aim to have final draft by end of September 2018 for publication
 - iii. To-do list is on Basecamp
- g. Duct Fitting Database (DFDB) (Pat Brooks)
 - i. Work is being done by Steve Idem to introduce equations.
 - ii. Additional fittings and fitting information need to be added.
- h. Codes & Standards Interaction (Ralph Koerber)
 - i. See **Attachment C** for full report.
 - ii. Comments during the ICC Code Cycle for 2021 IMC is due on July 16 online, with hearings from October 24-31.
 - iii. Current IAPMO Code Cycle had a technical committee action in May, with proposals in late August and call for comments in September 3.

Considerations for comment is on October 2. Comment submission deadline is January 3, 2019.

- iv. NFPA 90A and 90B Revision Cycle: 2018 editions in print. 2021 edition review will open June 27.
- v. UMC technical committee accepted factory made duct task group proposal of revisions, changing factory made ducts to duct categories.
- vi. Campfire topic discussion on utilization of gypsum board for duct design based on discussion during the TC meeting that will lead to an educational presentation to the TC.
- i. ASHRAE Learning Institute (ALI) (Pat Brooks)
 - i. No report.
- j. Webmaster (Cindy Bittel)
 - i. TC 5.2 Website: <https://TC0502.ashraetcs.org/>
 - ii. Website is up-to-date and to be used for non-TC members.
 - iii. Basecamp is available to all members and should be used as much as possible.
 - iv. Tim Eorgan will talk to Mark Owen about what documents to put on the ASHRAE website that are not to be sold by ASHRAE.
- k. Liaison Reports
 - i. 90.1 (Mark Smith)
 - 1. Jeff Boldt will be rolling off 90.1 subcommittees to focus on liaising and identifying duct leakage data with cost-benefit points.
 - 2. TC members will be coordinating with Jeff Boldt on providing input to 90.1 subcommittees.
 - ii. IMC ASHRAE Code Interaction of Standard Committee (John Hamilton)
 - 1. NFPA 80 and 105 updates to permit mechanical items in unreachable areas to not be maintained.
- l. Research (Kevin Gebke)
 - i. Duct Design Guide (1180-RP): See DDG report for details.
 - ii. 1764-RP Determine the Absolute Roughness for Phenolic Duct Board: Final report should be submitted by the end of July.
 - iii. WS-xxxx Reducing Barriers to Achieving Low Leakage Air Handling Systems (Wray): In progress. Allison Bailes, Mark Smith, and Tim Eorgan will help.
- m. Standards (Kevin Gebke)
 - i. SSPC 189.1: Micah Dawson offered to act as TC 5.2 liaison to SSPC 189.1.
 - ii. SPC 215 (Craig Wray): Standard is published and available for sale.
- n. Historian (Bob Reid)
 - i. Updated RP list and will delve into archives of Herman Behls' documents at ASHRAE HQ.
- o. TAC Liaison Report (Larry Smith)
 - i. ASHRAE Code of Ethics and Vision statement should be more than a bullet point but a conversation point.
 - ii. Thank You letters to employers are available upon request to the TC Chair.

9) Deadlines

- a. 2019 Winter Conference (Atlanta)
 - i. Program proposals due August 3, 2018.
- b. 2019 Annual Conference (Kansas City)
 - i. Website Opens for Seminar, Workshop, Forum, Debate, and Panel Proposals: Wednesday, January 2, 2019

- ii. Program (Seminar, Forum, Workshop, Debate, and Panel) Proposals Due: Friday, February 8, 2019
- iii. Upload of PowerPoints: Wednesday, May 1, 2019
- iv. All PowerPoints Due: Friday, May 31, 2019

10) Old Business

11) New Business

- a. New ad-hoc subcommittee on Duct Sealants will form, with Larry Smith appointed as subcommittee chair.
- b. RTAR co-sponsorship request from TC 4.10 (Flow Characteristics of Installed Flex Ducts)
 - i. **Pat Brooks moves that TC 5.2 not support the RTAR and that the proposed research should not be done by ASHRAE.** David Dias seconds.
 - ii. Rationale: The research has been done via RP 1333.
 - iii. Vote: 10-0-0 CV
- c. **Action Item:** Kevin Gebke will reach out to RAC Research Liaison about the motion and the research done, with the help of Chris Van Rite.
- d. Chris Van Rite will be pursuing DL nomination to present on duct design topics and would appreciate the TC's support.

12) Action Items

TC 5.2 Duct Design Action Items			
Number	Description	Assigned to	Status
1	TC 5.2 Long Range Objectives	Individuals outlined in each objective	See statuses in Items 1a through 1d
1a	TC 5.2 will reach out to the following market segments for additional engagement and representation: a. Practicing Engineers and Commissioning Agents; b. Code Authorities/Authorities Having Jurisdiction; c. Building Owners and Managers via BOMA, IFMA, USGBC; d. SMACNA; and e. General Contractors and Mechanical Contractors, including Testing and Balancing Contractors, through organizations such as ACCA and SPIDA.	John Constantinide & Tim Eorgan	Active

1b	Duct Design Guide: a. Complete and publish the Duct Design Guide. b. Develop and promote educational and training material based on the Duct Design Guide for the practicing engineer, through the ASHRAE Learning Institute (ALI), and with engineering students at the college level.	Larry Smith & Pat Brooks. Refer to DDG report.	Active
1c	Present seminars and publish papers in response to publication and research based off of SPC 215 Method of Test to Determine Leakage of Operating HVAC Air-Distribution Systems.	Craig Wray, Jeff Boldt, Neal Walsh (to present to ABC), with John Hamilton's help publicizing	Active
1d	Develop long-range and maintenance plans for the Duct Fitting Database, including incorporation of research.	Pat Brooks, Larry Smith, Steve Idem. Refer to DFDB Subcommittee Report.	Active
2	RTAR covering cost to seal ductwork	Neal Walsh, Pat Brooks	Active
3	Reach out to RAC Research Liaison about the vote to not support TC 4.10 RTAR (Flow Characteristics of Installed Flex Ducts) and the research done by TC 5.2.	Kevin Gebke, Chris Van Rite	Active

13) Adjournment

Upcoming Meetings:

2019 ASHRAE Winter Conference --- Atlanta, GA --- January 12-16, 2019

2019 ASHRAE Annual Conference --- Kansas City, MO --- June 22-26, 2019

2020 ASHRAE Winter Conference ---Orlando, FL --- February 1- 5, 2020

ATTACHMENT A

Section 5 Breakfast Meeting

Ventilation and Air Distribution

June 24, 2018

Time: 6:30 – 8:00 am

Room – Hilton Hotel, Grand H Room, 4th floor

Proposed Agenda

1. Introductions / sign-in list
2. Any additions and/or changes to the agenda?
3. WiFi connection: Connect to free WiFi using ASHRAE 365 / Username: ASHRAE2018 / Password: houston18
4. Administrative chores:
 - a) Digital handouts from TAC meeting
 - b) TC chair training – George R. Brown 9:45 – 10:45 am, 3rd floor, 383A
 - c) Thankyou letters to employers
 - d) PLEASE turn in your activity reports at the conclusion of your TC meeting
 - e) Others - TBD
5. Code of ethics – (full list is included on the bottom of the agenda)
We shall avoid real or perceived conflicts of interest whenever possible, and disclose them to affected parties when they do exist.
6. Ashrae's Core Values - (full list is included on the bottom of the agenda)
Integrity
ASHRAE is committed to the highest ethical standards. We work transparently, observing essential requirements for due process and peer reviews to assure our members and stakeholders that we do the right things the right way.
7. Ashrae's Mission and Vision
Mission:
To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

Vision:
ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.
8. Questions that you should have answered by this time:
 - f) Has your webmaster updated the website?
 - g) Are the draft minutes from Chicago posted on the website and distributed to the membership?
 - h) Has your roster been updated?

- i) Have you prepared an agenda and are you ready to distribute it to the membership 30 days prior to the meeting?
 - j) Are your leadership positions and committee members engaged with their individual tasks?
 - k) Are you and your vice-chair prepared for Houston?
9. TC presentations (5 minutes each) – breaking down silos within section 5 Ventilation and Air Distribution

Please prepare a “brief” written report (**please send to me prior to June 1st**) to distribute prior to our Sunday morning breakfast meeting. This should include a high level summary of your individual TC activities (including SPC, Standards activity, RTARS, work statements, seminars, papers, potential co-sponsorship, etc.). “Brief” would mean a single page with short bullet points. You may want to summarize some key points on your Chicago activity form.

We will reserve approximately 60 minutes of the meeting for each TC to speak for 5 minutes (max) to highlight specific challenges and successes looking backwards to Chicago and towards the Houston meeting. Hopefully this will start a dialog and cooperation within section 5.

10. Discussion:

- a. Identify any “**hot issues**” that the TC’s and/or section 5 faces as a group (getting out of your silo’s) for general discussion and how we as Section 5 can help solve; or with myself or the Technical Activities Committee (TAC).
- b. Do we create a MTG-Section 5?

11. Section 5 feedback on Chicago’s activity sheets

- a. My job is to review title, purpose, and scope of the TC’s
- b. Do we alter the TPS of the TC?
- c. Do we consolidate TC’s and/or eliminate?

12. Section head personal focus – any suggestions from chairs/vice-chairs?

- l) How we can attract more consulting engineers and contractors to balance the influence of manufacturer’s and trade organizations?
- m) To continually ask the question “Why are we here?”
- n) To continually remind everyone of ASHRAE’s Vision & Mission Statement and Core Values

13. Housekeeping issues:

- a. What have been you experience with RPM (phone conference)? Used it? Issues?
- b. Thou shall not use Ashrae letter head for any correspondence!
- c. Please include the Section Head (myself!) any research and conference requests
- d. Is your TC using BaseCamp? If not why?
- e. Does your TC have a planned succession plan....get on the ladder from TC5.3?
- f. **If we were to evaluate our effectiveness (NOT efficiency) what criteria would you use? How would you rate your TC? Section 5?**
- g. What can I do to help?

14. Challenging questions for Houston:

- a. You are the leaders for your individual TC, as the chair and vice chair, and obviously not a spectator (passive attendee).

- b. I will be asking the members present during my visit to your TC meeting
 - i. My personal thanks and appreciation for you, and your sponsoring company, taking the time and expense for attending the summer conference
 - ii. Please contact your chair, or myself, if you need a formal letter of appreciation from Ashrae for your employer
 - iii. As a personal observation at Ashrae - There are leaders / doers and spectators
 - 1. The spectators (passive attendee's) do not contribute to the conversation
 - 2. The leaders / doers are people who freely give of their time, share their knowledge, offer their opinion, and actively advance the mission and vision of the Society with the expectations of nothing in return.
 - iv. Continuing the same challenge I presented during the winter meeting in Chicago I again challenge each and every one of you to ask yourselves why you are here and how you can contribute to the Society. Just do it.
 - v. If you need to reach me use my Ashrae alias: SH5@ashrae.net

ASHRAE's Core Values

Excellence

ASHRAE education, technical information and all other activities and products will always reflect the best practices that lead our industry. We strive for continuous improvement and innovation in all our practices and products.

Commitment

ASHRAE and its members are passionate about serving the built environment, creating value, and recognizing the accomplishments of others.

Integrity

ASHRAE is committed to the highest ethical standards. We work transparently, observing essential requirements for due process and peer reviews to assure our members and stakeholders that we do the right things the right way.

Collaboration

ASHRAE seeks and embraces collaborative efforts with organizations, agencies, and individuals sharing our commitment to sustainable built environments.

Volunteerism

Members lead ASHRAE at every level, serving ASHRAE and helping ASHRAE serve society.

ASHRAE's Mission and Vision

Mission

To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

Vision

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

ASHRAE Code of Ethics

(Approved by ASHRAE Board of Directors January 30, 2013)

1.140.001.1 As members of ASHRAE or participants in ASHRAE committees, we pledge to act with honesty, fairness, courtesy, competence, integrity and respect for others in our conduct.

- A. Efforts of the Society, its members, and its bodies shall be directed at all times to enhancing the public health, safety and welfare.
- B. Members and organized bodies of the Society shall be good stewards of the world's resources including energy, natural, human and financial resources.
- C. Our products and services shall be offered only in areas where our competence and expertise can satisfy the public need.
- D. We shall act with care and competence in all activities, using and developing up-to-date knowledge and skills.
- E. We shall avoid real or perceived conflicts of interest whenever possible, and disclose them to affected parties when they do exist.
- F. The confidentiality of business affairs, proprietary information, intellectual property, procedures, and restricted Society discussions and materials shall be respected.
- G. Each member is expected and encouraged to be committed to the code of ethics of his or her own professional or trade association in their nation and area of work.
- H. Activities crossing national and cultural boundaries shall respect the ethical codes of the seat of the principal activity.

Conferences and Expositions Committee Information Items for Technical Committees 2018 Annual Conference, Houston, Texas

This “handout” includes recent updates and upcoming deadlines in the preparation of the technical program for the Winter, Annual and Topical conferences. It is being provided in advance of the conference for your information so that it does not have to be presented during the onsite TC section breakfasts. CEC will provide a short update at the TC breakfasts and answer any questions. *Kevin Marple, 2017-2018 CEC Vice Chair, kmarple@benzco.com*

1. 2019 Annual Conference Research Summit Call for Papers

The 2019 Annual Conference in Kansas City, MO features a call for papers for the Research Summit track. Please consider submitting papers or groups of papers as entire sessions from your TC for the conference. Abstracts are due August 21, 2018. If you have any questions, please contact Melanie Derby, the Research Summit Track Chair at derbym@ksu.edu

2. Student Authors Recognized at 2018 Annual Conference

Starting at the 2017 Winter Conference, CEC began recognizing student papers. Certificates were awarded to students at their assigned conference paper session. Certificates in the categories “*Best Paper*” and “*Honorable Mention*” were presented to graduate candidates and PhD candidates.

Four students will be recognized with CEC student paper awards at the 2018 Annual Conference.

3. Program statistics for Houston; for a total of 108 available slots:

Conferences Papers

- 127 conference paper abstracts submitted, 105 approved
- 67 conference papers presented
- 20 Conference Paper Sessions

Technical Papers

- 21 Technical papers received
- 14 Technical papers presented
- 4 Technical Paper Sessions

Seminars

- 100 submitted
- 72 presented

Workshops

- 9 submitted
- 7 presented

Forums

- 11 submitted
- 4 presented

Debates

- 2 submitted
- 1 presented

Panels

- 4 submitted
- 1 scheduled (withdrawn)

4. 2019 ASHRAE Winter Conference in Atlanta, January 12-16:

<http://www.ashrae.org/atlanta>

- a. Conference Papers are due July 9
- b. Seminar, Forum, Debate, Panel and Workshop proposals are due August 3
- c. Program notifications go out September 14
- d. Web site opens for presentation uploads on November 30
- e. All presentations due online January 4, 2019

2019 Winter Conference Chair is Corey Metzger, corey.metzger@resourcece.com

Tracks and Track Chairs

Track 1: Systems and Equipment

Joe Firrantello, j.firrantello@gmail.com

Track 2: HVAC& R Fundamentals and Applications

Rick Hermans, herma015@umn.edu

Track 3: Refrigeration

Sonya Pouncy, sonya.pouncy@gmail.com

Track 4: Construction, Operation and Maintenance of High Performance Systems

Leticia De Oliveira Neves, leneves@gmail.com

Track 5: Common System Issues and Misapplications

Lee Riback, lee.riback@gmail.com

Track 6: The Convergence of Comfort, Indoor Air Quality and Energy Efficiency

Ashish Rakheja, ashish.rakheja@aeonconsultants.in

Track 7: Building Integrated Renewables and Natural Systems

Maggie Moninski, maggie.moninski@gmail.com

Track 8: The Engineer's Role in Architecture

Ashu Gupta, ashu.energy@gmail.com

5. **2019 ASHRAE Annual Conference in Kansas City, MO:** www.ashrae.org/kansascity
 - a. Conference Paper Abstracts, Technical Papers and Paper Session requests due August 21, 2018
 - b. Conference Papers due November 30, 2018

2019 Annual Conference Chair is Carrie Anne Monplaisir, carrie.monplaisir@gmail.com

Tracks and Track Chairs

Track 1: Systems & Equipment in the Built Environment

Kimberly Pierson, kdpwildcat@gmail.com

Track 2: Fundamentals and Applications

Gary Debes, gary.debes@comcast.net

Track 3: Optimization in HVAC&R

Vikrant Aute, vikrant@umd.edu

Track 4: Commissioning New & Existing Buildings

Raul Simonetti, raul.simonetti@carel.com

Track 5: Occupant Health & Safety

Chris Reinders-Caron, creinders@cannondesign.com

Track 6: Modeling Throughout the Building Life Cycle

Nivedita Jadhav, nivi2307@gmail.com

Track 7: Professional Development

Rich Rose, richr@mticontrols.com

Track 8: Research Summit

Bing Liu, bliu@neea.org

Track 9 (Mini-Track): Radiant Heating & Cooling Mini-Track

Devin Abellon, devin.abellon@yahoo.com

6. Potential Sources Bias Disclosure

In accordance with the ASHRAE Code of Ethics, speakers have been asked to fill out a potential sources bias disclosure document that will note affiliations/ involvement with any organizations with financial or commercial interest in the subject matter to be discussed.

7. TC Opportunities:

- a. TC members who want to submit a program should consult the Track Chair for assistance in preparing a good abstract, learning objectives, and Q&A to help assure complete submission.
- b. TCs and Sections are welcome to suggest new presentation formats (like how the Workshop was born). Best way to present material to benefit attendee is a goal.
- c. TCs and Sections are encouraged to work with a track chair to put together a series of sessions that can be used as a mini-track.
- d. Putting together an entire track of programs in cooperation with other TCs is also encouraged; keeping in mind that track subjects are typically determined 14-15 months prior to a conference.

8. CEC Announces a Call for Reviewers and Paper Session Chairs

ASHRAE has a number of conferences coming up that include papers, and CEC seeks your help in reviewing them. Additionally opportunities to chair a paper session are available. Specifically, there is an immediate need for reviewers and session chairs for the 2019 Winter Conference and various topical conferences.

Please submit your interest in reviewing a paper or chairing a paper session using the online form: http://web.ashrae.org/cec_request/. Please contact Tiffany Cox, ASHRAE Assistant Manager, Conference Programs, at tcox@ashrae.org for more information.

9. Topical Conferences

ASHRAE's topical conferences are focused on a particular aspect of the industry and bring together professionals for networking and professional development. Two topical conferences are available for the remainder of 2018.

2018 Building Performance Analysis Conference and SimBuild, co-organized by ASHRAE and IBPSA-USA

<http://www.ashrae.org/BuildPerform2018>

September 26-28, 2018, Chicago, Illinois

The conference program includes peer-reviewed papers, non-paper presentations and new program format types as well as the fourth annual ASHRAE LowDown Showdown modeling competition with a record 14 teams competing.

The Third International Conference on Efficient Building Design

<http://www.ashrae.org/Beirut2018>

October 4–5, 2018, Beirut, Lebanon

The conference is to present advanced research on the topics of advanced building and bioclimatic designs for attaining occupant comfort and good environmental quality addressing systems and technologies adapted to the Arab region in both moderate and hot humid climates.

10. Program Types

Technical Paper Session:

These sessions present papers on current applications or procedures, as well as papers resulting from research on fundamental concepts and basic theory. Papers presented in these sessions have successfully completed a rigorous peer review. Forms for written comment are available at each session, and sent to respective authors for reply and publication in ASHRAE transactions, if received by a certain date.

Conference Paper Session:

These sessions present papers on current applications or procedures, as well as papers reporting on research in process. These papers differ from technical papers in that they are shorter in length and undergo a much less stringent peer review.

Seminar:

These sessions feature presentations on subjects of current interest. There are not papers attached to seminars.

Workshop:

These sessions enable technical committees and other ASHRAE committees to provide a series of short presentations on a topic requiring specific expertise. These short presentations are provided with an increased emphasis on audience participation and training in a specific set of skills. There are not papers attached to workshops.

Forum:

The sessions are “off-the-record” discussions held to promote a free exchange of ideas. Reporting of forums is limited to allow individuals to speak confidentially without concern of criticism. There are not papers attached to forums.

Panel Discussion:

Panel discussions can feature a broad range of subjects and explore different perspectives on industry related topics. This session format includes a panel of 3-4 speakers each addressing a facet of the session topic, followed by an interactive discussion lead by the session chair. Panel Discussions may be 60 minutes or 90 minutes in length and will be posted online in the Virtual Conference.

Debate:

Debates highlight hot-button issues commonly faced by our membership. Industry experts, either on teams or as individuals, argue opposing sides of an issue, concluding with position summaries and audience feedback. Debate sessions may be 60 minutes or 90 minutes in length and will be posted online in the Virtual Conference.

ATTACHMENT B

TC 5.2 Subcommittees Notes

Monday, June 25, 2018

8:00 AM – 12:00 PM Local Time

Location: Hilton-Americas Houston, Houston TX

Room: Grand H, Floor 3

1. Base Camp Instructions WEB source (J. Constantinide)
 - a. Demonstrated Basecamp log in, Docs & Files function, Campfire function, and Message Board functions
 - b. Answered questions about notification settings
 - c. Constantinide offered to provide additional individual training on Basecamp to individuals upon request
2. ADI Funding Phase I Testing; Comparison of a well-designed sheet metal duct system vs. a well-designed flex duct system per ADC (Chris Van Rite)
 - a. FSEC conducting research on this topic
 - b. Funding from ASHRAE will not be pursued now
 - c. Air Duct Council has conducted testing on products related to this topic
 - d. Moving ahead, FSEC will continue testing without funding from ASHRAE and will come back to the TC for additional research and duct profiles.
3. Duct Design Guide looks at materials but can develop a chapter on flexible duct with collaboration by others.
4. Cheng-Xian (Charlie) Lin, Ph.D. Chair, TC 4.10 Research Subcommittee would like TC 5.2 to consider co-sponsorship of this research associated with RTAR submitted to RAC (Kevin Gebke)
 - a. Will be brought to full committee through a Voting Member's motion
5. RP-1764 (Pat Brooks)
 - a. Researches friction loss in phenolic duct
 - b. Research results will be accessible through the ASHRAE Technology Portal; report to the TC will be posted to Basecamp.
6. Duct Sealant Testing (Larry Smith, Mark Smith)
 - a. Documents are uploaded to Basecamp
 - b. UL has methods of creating standards and certifying materials. Does ASHRAE want to create a method of testing materials, or should deference be given to UL?
 - c. Existing standards, such as UL 181, are available and may overlap with the intent of the task group's efforts.
 - d. Agreement that task group's intent is to assess the need or solutions in industry regarding duct sealant testing to be pursued. Volunteers are needed to
7. Informational Presentation: "Heat transfer of different types of insulation on a duct system"
Presenter: Marcus Bianchi

ATTACHMENT C

Code Interaction Sub-Committee Minutes (6/26/18)

ICC 2021 IMC and IRC Code Revision Cycle

- Technical Committees acted on the proposals during meetings in April.
 - No actions that directly affect this TC's handbook chapters, guides, etc.
- Report on proposals out on May 30th.
- July 16th deadline for online submission of comments.
- Hearing for all comments October 24 - 31, 2018.

IAPMO 2021 UMC Code Revision Cycle

- Technical Committee acted on the proposals during meetings in May.
 - UMC TC approved proposal from the UMC Factory-Made Duct Task Group for rewording and reorganization of duct chapter that removes reference to the term “factory-made air duct” and replaces it with individual reference to various duct types (metal, non-metallic, phenolic, fibrous glass, etc.).
 - No other action that directly affects this TC's handbook chapters, guides, etc.
- Report on proposals out August 20th.
- Call for comments September 3rd.
- Assembly consideration session October 2nd.
- Deadline for comment submission is January 3rd, 2019.
- UMC TC meeting in late April 2019 to consider comments.

NFPA 90A & 90B Standards Revision Cycle

- 2018 editions are in print.
- First draft proposals for 2021 edition open June 27th, 2018.
- Closing date for proposals February 27, 2019.
- Second draft proposals for 2021 edition open May 8th, 2019.
- Closing date for proposals January 22, 2020.

Other

- Discussion of “other materials” (gypsum, wood, etc.).
 - Put together details how gypsum is covered in the current codes and standards.
 - Potential to have gypsum manufacturers present to the TC their position regarding gypsum used for duct construction.
 - Review other materials for ducts that are not covered by current codes and standards.