

ASHRAE TC1.5 Computer Applications

Draft Meeting Minutes

**Louisville, KY
2009 Summer Meeting
June 22, 2009**

These draft minutes have not been approved and are not the official, approved record until approved by this committee.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
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TC/TG/TRG MINUTES COVER SHEET

(Minutes of all TC/TG/TRG Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/TRG NO.: 1.5

TC/TG/TRG TITLE: Computer Applications

DATE OF MEETING: June 22, 2009

LOCATION: Louisville

DISTRIBUTION:

ALL MEMBERS OF TC

ALL COMMITTEE LIAISONS

ASHRAE TC1.5 Activity Feedback Form

TC NO. TC 1.5 TC TITLE: Computer Applications
 CHAIR: Krishnan Gowri VICE CHAIR/SECRETARY: Mike Pouchak
 DATE: June 22, 2009

TC Web Site: <http://tc15.ashraetcs.org/index.html>

TC# 1.5	Committee Name: Computer Applications
	Chair: Krishnan Gowri

Meeting was Held	(Day) Monday	(Date) 06/22/09
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Membership		
	Number Present	Total Number on Committee
Voting Members	8	9
International Members	1	1
Corresponding Members	10	38
Visitors and Guests	5	-

Handbook Responsibilities		Standards Responsibilities	
Volume and Chapter (number only)	Next Revision Due Date	Standards Number (number only)	Next reaffirmation date
Applications, Ch. 39	CD+ '09		

Transactions	Seminars	Forums	Poster Sessions
	Seminar 28:Real world BIM		

Current Research Activities		FAQs Responsibilities	
Research Project (number only)	PMS meeting held (yes/no)	FAQ number (number only)	Last time reviewed (Month/Year)
1354	No - Completed		
1468	PES meeting held		

Does Committee have Website on ASHRAE Server? ___ Yes ___ URL if on another Server: _____
 If so, is Website up to date? ___ Yes _____

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Attendance

Attendance:

Name	Affiliation	TC	Res	Prog	Emer Apps	T&P	Hand book
Voting Members							
Krishnan Gowri	Pacific Northwest National Lab	X	X	X	X		X
Walter Grondzik	Ball State University	X					X
Tim Dwyer	London South Bank University	X					
Mike Galler	NIST	X	X	X	X		X
Ron Nelson	Iowa State University	X	X	X	X		X
Vernon Peppers	Peppers Engineering	X					
David Branson	Compliance Services Group, Inc.	X					
Steve Rosen	-						
Stephen Roth	Carmel Software	X	X	X	X		X
Non-Voting/Corresponding Members							
Bruce Billedeaux	Maverick Technologies	X					
Michael Pouchak	Honeywell, Inc.	X	X	X	X		X
John Crosby	Bentley Systems	X	X	X	X		X
Rob Hitchcock	Lawrence Berkeley National Laboratory	X	X	X	X		X
John Kennedy	Green Building Services	X					
Pornsak Songkakul	Siemens Building Technologies	X	X	X			
Larry Schaefer	Carrier	X	X	X	X		X
Xiaohui (Joe) Zhou	IOWA Energy Center	X	X	X	X		
Tianzhen Hong	LBNL				X		
Duane Barret	Bentley	X					
Raj Setty	Siemens		X	X	X		

Action Items

Responsible Member	Description	Due Date	Completion Date
Krishnan Gowri	Chair will forward the PES recommendation to RAC for further action.	6/2009	6/2009
Mike Pouchak	Setup Google Groups for TC 1.5	1/2010	8/2009
Session Chairs	Submit Program information by July 10, 2009	7/2009	
Volunteers	Volunteers to work with RAP and provide a liaison report at the next meeting.- Pending - outstanding	1/2010	
Larry Schaefer	Wiki Topic update	1/2010	
Steve Rosen	Web Site update – contact Ron Nelson for help	1/2010	
Program Chair	Program Chair to confirm cosponsorship with sponsoring committee by July 10, 2010	7/2010	

TC Minutes

TC1.5 Computer Applications 2009 Summer Meeting Louisville, KY <http://tc15.ashraetcs.org/>

Monday, June 22, 2009, 6:30 – 9:00 pm G/Willow (R3)

Notes taken by Mike Pouchak, Vice-Chair/Secretary

1. Call to order – Meeting called to order at 6:01 p.m.

2. Welcome – Introductions, Signup and Paperless meeting details -- Vernon Peppers provided Sharepoint server setup for all electronic meeting materials.

3. Roll Call – Gowri, Grondzik, Dwyer, Galler, Nelson, Peppers, Branson, Roth

4. Review of Agenda – agenda was reviewed. (See Attachment 2)

5. Executive Session on Contractor Selection for RP-1468 – an executive session was requested to re-evaluate the contractor selection. : PES members Shaefer, Barnaby, Dwyer, Kennedy, & Branson (chair). Went through re-ranking exercise and discussed rankings. .

Executive Session – RP-1468 PES Chair Dave Branson presented the PES recommendation. It was approved by the TC with a vote of 8-0-0 (chair voting).

ACTION: Chair will forward the PES recommendation to RAC for further action.

update the web site **Chair's Report- web site has been updated**

6. Approval Of Minutes from 2009 Chicago Winter Meeting-

Approval of Minutes – Mike Galler moved and Dave Branson 2nd to approve the 2009 Chicago Winter Minutes for TC 1.5. It was approved by a TC vote of 8-0-1 (chair not voting).

7. Review Action Items from 2009 Chicago Winter Meeting

Review Actions item summary:

Action 1: Chair will forward the PES recommendation to RAC for further action. (RP-1468)
– this was reconsidered this meeting

Action 2: CD+ deadline is on Feb. 2 Interested reviewers send comments to Mike Galler. -
comments were taken by Mike

Action 3: Volunteers to work with RAP and provide a liaison report at the next meeting.-
Pending - outstanding

Action 4: Bruce Billedeaux to present Terminology Wiki Topic during next Emerging Apps
subcommittee meeting. – Need to follow up – transferred to Larry to go to next
meeting

Action 5: Session chairs to submit program information by Feb 6, 2009. (Louisville

meeting) - done

Action 6: Chair to work with Charlie to write a letter to CEC to introduce the new two level transaction paper strategy - completed

Action 7: Steve Rosen to contact Ron and update web site

9. Chairs Report

- a. Dinner plans – a restaurant was selected for dinner.
- b. Announcements – information on changes in roster were discussed.
- c. Step-up-to-the-plate awards

To Larry Schaefer for accepting Program Chair.

To Xiohui Zhou for volunteering to lead Emerging Applications subcommittee.

To Mike Galler for his work on the Handbook. He is now an outgoing Handbook chair.

To Vernon Pepper for hosting Paperless Meeting.

To Krishnan Gowri for Chairing TC 1.5.

10. Subcommittee Reports

A) Handbook – *Mike Galler*

We are half way through the revision stage for CD+ deadline. Deadline for final by January or June by 2010.

B) Research – *Rob Hitchcock*

Met last night to discuss research.

Minutes are listed in Attachment 3 below.

Per RAP: 3 volunteers are needed for tc 1.5 liaisons. Walter Grondzik, Krishnan Gowri– cost effective ; Jim Roderick; Steven Roth-#6 BIM of energy efficient building; Anyone is welcome to look at overall list.

No RTARS in queue. RTAR 1468 is now on the queue.

New Google groups is being setup as part of the ECC pilot project by Mike Pouchak for TC 1.5.

Research money status is being investigated. Krishnan G. wanted to encourage more members to contribute to RTAR development.

C) Emerging Applications – *Xiaohui (Joe) Zhou* Meet yesterday. See attachment 4 below. Feedback from seminars in Chicago – Smart Sensor and seminar 44 Bim. - -Feedback was 4/5 or more!.

BIM topics – was rated at 98% interest level; sensors program --33% said it was too difficult – both seminar were well attended. Sensor seminar had 60 people; BIM seminar had 130 people.

Bruce B. was to do a Wiki demonstration. Mike Pouchak & Larry Schaefer stepped up to the plate to describe Wiki operation.

In Orlando, there is a track for BIM. You should look at track and table for programs. After Larry's discussion, we had a group discussion and brainstorming.

BIM and Smart sensors and Sedona framework and innotion technology topics were discussed. Point cloud and smart grid were two additional topics that were discussed.

Wireless without batteries (Innotion) and Sedona is a packaged protocols on a chip that is very flexible. Some programs are being formulated from this.

D)Program – *Larry Schaefer* –Minutes from meeting are listed below as attachment 5.

Discussions concerned changes on how programs are being arranged.

Society Programs committee now sees us as the BIM committee.

Skoggins is our champion in the Orlando area.

Mr. Skoggins noted our seminars are opened on a separate day.

We will submit our full program slate and let the process separate the winners, but we should not overtax with too many programs.

Programs from last meetings were discussed.

Program submittals will be determined by new criteria – see section on programs priorities below.

Seminars to be submitted for Orlando (Deadline is July 10, 2009):

1. *Virtual Learning* :chair: Tim Dwyer. Prior submittal, Krishnan will follow up to convince Tim D to pursue.

2. *Building BIM – BIM to SIM* :chair: Krishnan Gowri; Prior submittal under Rob Hitchcock.

3. *BIM for Lifecycle Business Processes*; sponsored by tc 7.1 – cosponsor by tc 1.5

There is a 90% chance of firming TC7.1 (Integrated building design)Cosponsor.

The BIM sessions will be cosponsored with TC7.1 or BIM Steering Committee.

(Since the meeting, arrangements have been made with TC7.1, this needs to be documented and communicated to proposed chairs by the program committee chair)

4. *Think Outside the Wire – New Control Technologies*; chair Joe Zhou said there is a 90% chance of happening. TC1.4 And TC7.5 cosponsor (Joe to follow up) includes Addressable Dimming Controls, • Sedona Wireless Technology, EnOcean Battery-less Sensors, and possible Opposing Technology Views

5. *Bimmers Beware* –Sponsored with TC 1.7 and we will cosponsor. Business, Management & Gen Legal Education – *Rob Hitchcock*

Approval of Program – Vernon Peppers moved and Mike Galler 2nd to approve the program submission for Orlando It was approved by a TC vote of 8-0-0 (chair voting). Motion Carries.

ACTION: Session chairs to submit program information by July 10, 2010.

Approval of program cosponsor – Vernon Peppers moved and Dave Branson 2nd to accept the program cosponsors as ranked by the Program Subcommittee submission for Orlando It was approved by a TC vote of 8-0-0 (chair voting). Motion Carries.

ACTION: Program Chair to confirm cosponsorship with Sponsoring committee by July 10, 2010.

Duane Barrett , former vice chair with Bently was introduced. Duane spoke at the Bim for HVAC industry seminar this morning.

John Kennedy proposed “Cloud Computing” program topic.

John Kennedy also discussed Greenhouse funding topics and employment.

Approval of program – Vernon Peppers moved and Ron Nelson 2nd to include seminar ““New money from old buildings” in the Program Subcommittee submission for Orlando It was approved by a TC vote of 8-0-0 (chair voting). Motion Carries.

ACTION: Session chair to submit program information by July 10, 2010.

Dave Branson discussed a new topic for BIMs. The topic “What engineers wished Architect knew about their BIMs” was proposed as a seminar. This seminar needs 3 speakers and an abstract. This may be appropriate for Albuquerque.

Papers are due September 25, 2009 for Albuquerque June 26, 2010.

Larry mentioned that there are some debates being sponsored in Orlando and the TC want to consider some topics or ideas on this.

E)Web Page – *Stephen Rosen* Was not here. Ron Nelson spoke on the web page. Backups for Web updates will be done by the Vice Chair and Chair. Larry pointed out that Google groups does not relinquish need to publish to Web site.

F)T&P – *Dave Branson:* No new information and no updates can be reported.

11. Liaison Reports

a) **GPC-20** – *Rob Hitchcock.*

GPC 20 Met this morning. Draft of the guideline 20 is ready and a review draft will be made available. Comments will be due by July 3. If you would like a draft please contact Rob. August 6 meeting will discuss future changes. There are changes surrounding Title purpose and scope. The committee is contemplating change to title to “documenting work processes and data exchange requirements for HVAC &R”.

GPC 20 also discussed the presentation of CMU work on data dictionary. NIST has is working on a parallel effort (Mark Palmer) including investigating tools together to put into a schema to ensure semantic correctness of words that could be used in co-checking with each other.

GPC20 and TC 1.6 will be working together on this co-checking project. XML representation of the thermal related standards (such as 90.1) and use xml representations and put into a process to strip out semantics and planning of using a wiki to get user inputs (tc 1.6) to help consolidate all the glossaries.

There has been work involving CMU (Carnegie Melon University) to demonstrate relationships. The CMU work added implicit hierarchical structure and automated co-checking. Raj Seti commented on the need to add real value to practitioners.

b) **IAI/BIM society Subcommittee Report** – Rob Hitchcock - Rob is on the BIM steering committee – they met on Saturday – Chris Wilkins is rolling on as chair. A major transformation of this document is that the they are creating a BIM guide (simplified) – this will create a much more coherent introduction to BIM. The IAI/Bim subcommittee voted to move forward and take forward for publication. This will ideally be published as an electronic document. This document can now be updated in its draft form.

c) Others – GBxml – Steve Roth. The GBxml is Composed of 11 representatives. The Goal of the advisory board is to improve web site and promote better and other activities. GBxml is a schema for exchange of design tools (such as Autodesk and Bentley) to analysis tools (trane tracer) – so you can reuse across different tools – peak HVAC loads – more and more software vendors are adding interfaces to add to software. This is 2 way communications that can bring non-geometric data into BIM. You can import load information from Trane tracer into BIM.

12. Old Business –

13. **New Business** –Review roster. New voting member starting July 1, 1)Pouchak (chair), 2)Shaefer, 3)Zhou, 4)Dwyer (international), 5)Branson, 6)Grondzik, 7)Nelson, 8)Peppers, 9)Roth 10)Crosby. They are created a non-quorum counting member. You can have two quorum counting members.

Recognition for Krishnan as outgoing Chair.

14. **Next Meeting Times** – Orlando, FL (January 23-27, 2010) – Try to keep existing meeting times.

15. **Adjournment: 9:03 p.m. TC Moved by Peppers/Nelson vote unanimous**

<p>Adjournment– Vernon Peppers moved and Ron Nelson 2nd to adjourn. It was approved by a vote of 8-0-0 (chair voting). Motion Carries.</p>
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Attachment 2: Agenda

AGENDA

ASHRAE 2009 Annual Summer Meeting – Louisville, KY TC 1.5 Computer Applications

Subcommittee Meetings:

TC 1.5 Emerging Applications	<i>Sunday 5:00-6:00p</i>	G/Sunflower (R2)
TC 1.5 Research/Program	<i>Sunday 6:00-8:00p</i>	G/Sunflower (R2)
TC 1.5 Handbook	<i>Monday 6:00-6:30p</i>	G/Willow (R3)
GPC-20 XML Definitions for HVAC&R	<i>Monday 10:15-12:15p</i>	G/Holly (R3)

Programs Scheduled (co-sponsored, lead by TC7.1):

Seminar 28: Real world BIM for HVAC Engineer *Monday 9:45-10:45a.m* Carroll Ford

Main Committee Meeting **Monday 6:30-9:00 p.m.** **G/Willow (R3)**

11. Call to Order

12. Welcome – Introductions, Signup and Paperless meeting details

13. Roll Call

14. Review of Agenda

15. Executive Session on Contractor Selection for RP-1468

16. Approval Of Minutes from 2009 Chicago Winter Meeting

17. Review Action Items from 2009 Chicago Winter Meeting

18. Chair's Report

- a. Dinner plans
- b. Announcements
- c. Step-up-to-the-plate awards

19. Subcommittee Reports

- a. Handbook – *Mike Galler*
- b. Research – *Rob Hitchcock*
- c. Emerging Applications – *Xiaohui Zhou*
- d. Program – *Larry Schaefer*
- e. Web Page – *Steve Rosen*
- f. T&P – *Dave Branson*

20. Liaison Reports

- a. GPC-20 – *Rob Hitchcock*
- b. IAI/BIM Society Subcommittee Report – *Rob Hitchcock*
- c. Others

21. Old Business

22. New Business

23. Next Meeting Times – Orlando, FL (January 23-27, 2010)

24. Adjournment

Attachment 3: Research Subcommittee Minutes

TC 1.5 Research Subcommittee Meeting Minutes

G/Sunflower (R2), Sunday June 22nd, 2009, 6:15 - 7:10 p.m.

1. Welcome and Introductions
2. Report on 1468-RFP “Development of a Reference Building Information Model (BIM) for Thermal Model Compliance Testing”
 - Recommendation on award from PES to TC1.5 for discussion and vote at Main Meeting.
3. The ASHRAE Research Advisory Panel (RAP) is developing a 2010-2015 Research Strategic Plan with the following Potential Strategic Research Goals:
 - Maximize actual operation energy performance of buildings & facilities
 - Progress toward cost-effective net-zero energy buildings
 - Residential retrofit energy efficiency
 - Quantification of IEQ benefits
 - Energy standards development, compliance and enforcement
 - Building information modeling of energy efficient, high performing buildings
 - Load calculation methods, energy calculation methods and design procedures suitable for low energy and net-zero energy buildings
 - Natural refrigerants and refrigerant charge reduction
 - Improve specific components of HVAC&R systems
 - Transform engineering and architectural education
4. New research project topic proposals:
 - BIM: ASHRAE BIM Roadmap, Use Case Development, Tool Survey, Best Practices Guide, Assessment of BIM Benefits to ASHRAE Members (Hitchcock)
 - RP1017 Follow-on: Handbook Toolkit for developing multi-media Handbook content (Haberl)
 - RP1468 Follow-on: Equipment performance data content, HVAC system modeling, lighting, IEQ, CFD, etc. (Roth)
5. Mike Pouchak setting up new Google Group for TC1.5, possible use for developing RTAR and Work Statements.
6. Adjourn

Subcommittee minutes submitted by Rob Hitchcock

Attachment 4: Emerging Applications Subcommittee Minutes

Louisville, KY
June 21, 2009
G / Sunflower (R2),
5:00 – 6:00pm

1. 12 people attended
2. Introductions.
3. Announcements and Old Business
 - Seminar 11 from Chicago meeting feedback – average rating >4 out of 5, 30% think it is too technical.
 - Seminar 44 from Chicago meeting feedback – average rating > 4 out of 5, > 95% think topic is of current interest
4. Mike and Larry gave introduction on *Wiki* topic.
5. Larry Sun from CEC introduce new methods for program submission starting in Orlando
 - Check ASHRAE/Orlando for new program track assignment and time allocations
 - 3 slots assigned for BIM related track for Orlando meeting
 - New criteria for determine program allocations
6. Discussion and brainstorming on current emerging technologies:
 - BIM
 - Smart sensors
 - Wireless
 - Sedona Framework
 - Enocan Technology
7. New Future Program/Technology Ideas:
 - “Points Cloud” technology
 - Smart Grid for power
 - Handheld control of HVAC systems

ASHRAE 2010 Winter Conference will be held on January 20-24 at Orlando, Florida

The focus of the technical program will be on **“Humidity and Sustainable Indoor Environment”**

8. Adjourn

Minutes submitted by Xiaohui (Joe) Zhou

Attachment 5: Program Subcommittee Minutes

Program subcommittee met 7:00 to 8:00 on 6/21/2009.

Visit by Larry Sun of CEC (Conference & Exhibitions Committee) with new concepts for program submissions. Main change is program tracks being established – with pre-allocated slots in each track. Track for 1.5 is the BIM track for next 2 meetings (Orlando and Albuquerque) Ginger Scoggins is “BIM Track Champion” for Orlando (maybe) & Larry Sun for Albq. Not limited to topics within the track, but have the inside track for those that do. TC no longer has to prioritize submissions. Subcommittee decided that given no priorities, that we should submit all possibilities for which we have a reasonable chance of having speakers and abstracts in place by the July 10 submittal deadline. Seminars to be submitted:

Virtual Learning chair: Tim Dwyer. Prior submittal, Krishnan to follow up to convince Tim.

Building BIM – BIM to SIM chair: Krishnan Prior submittal under Rob Hitchcock.

BIM for Lifecycle Business Processes chair: Rob Hitchcock 90% chance of firming TC7.1 Cosponsor

Think Outside the Wire – New Control Technologies chair Joe Zhou 90% chance of firming. TC1.?

And TC7.5 cosponsor (Joe to follow up)

- Addressable Dimming Controls
- Sedona Wireless Technology
- EnOcean Battery-less Sensors
- Possible Opposing Technology Views

The BIM sessions will be cosponsored with TC7.1 or BIM Steering Committee. (Since the meeting, arrangements have been made with TC7.1, need to be documented and communicated to proposed chairs)

Future topics to consider and develop for Albuquerque:

BIMmers Beware (B is for Babel?) Krishnan

Beyond BIM TBD

BIM from Build to Boom, Lifecycle of a File to a Structure Mike Galler

- Planning
- Construction
- Operation
- Deconstruction

DDC as a Web-based Service Mike Pouchak

Remote Load Control of Your Home Steve Roth & Raj Setty

Are All BIM's Created Equal or "Can't We All Just Get Along?" Krishnan Gowri

So Your Architect Just Gave You a BIM, What Now? Raj Setty

A Breath of Fresh Air - BIM Applied to Natural Ventilation Energy Analysis John Crosby

At this time, we don't have any papers to submit for a transactions session. It has been noted, however, that the deadline for these submittals has been moved up significantly because of the new conference/journal paper policy. The deadline for Albuquerque is sometime in September, the TC will need to identify any upcoming needs quickly.

Subcommittee did not discuss the possibility for a forum, nor did we receive any information from Larry Sun as to whether these are being affected by the new program procedures.

Minutes submitted by Larry Schaefer, Program Subcommittee Chair

Orlando conference submission guidelines for program committee:

From: Giometti, Tony [mailto:giometti@ashrae.org]
Sent: Thursday, May 14, 2009 10:15 AM
To: Giometti, Tony
Subject: ASHRAE Orlando Conference Submission Guidelines

Dear TC Chairs, TC Vice Chairs and TC Program Subcommittee Chairs:

As you may know, the Conferences and Expositions Committee (CEC) is transitioning the development of the winter and annual conference technical programs to tracks, similar to how ASME develops programs.

Orlando Conference Program Submission Guidelines

Submission of programs for ASHRAE's Orlando Conference are now being accepted through July 10. The link for submitting proposed programs is on the Orlando Conference Web page, www.ashrae.org/orlando.

Although the programs will again be submitted online as for the Chicago Conference, the criteria to be used for selection and scheduling has changed. Please see the criteria below for how programs will be selected for presentation at the Orlando conference. Already, 18 transactions session proposals have been accepted and slotted for the conference. Program submissions are being solicited by program track and topic as outlined on the track grid at www.ashrae.org/orlando. In addition, some 20+ additional slots are reserved for programs that do not fit into designated tracks.

Selection Criteria for Orlando Conference Program Submissions

The program submittals will be reviewed and prioritized by the track chairs based on the program quality determined by the following criteria (in order of priority):

1. Strength of the abstract. Criteria: quality of the program based on the quality of the submittal including the abstract for the session as well as abstracts for the speakers' presentations; speakers and completeness of the submittal.
2. Resubmittal from a previous conference. Criteria: submittal was submitted for the Louisville Conference and not selected.
3. Timeliness of the topic. Criteria: a hot topic or one that meets an immediate industry need.
4. Relevance to the track/grid description. Criteria: the track descriptions are suggested topics for programs; however consideration is given to submittals that closely match the track description for the time slot.
5. Relevance to the theme. Criteria: addresses the conference theme *Humidity and Sustainable Indoor Environment*.
6. NY PDH program. Criteria: willingness to submit paperwork and all of the speakers' PowerPoint presentations by November 6, 2009.

In addition, a program can only be submitted for one track/grid slot. Multiple submissions of the same program will be removed from the selection process.

Note: You are submitting for a specific time and date. A program submitted for a track, and not selected, WILL automatically be considered for an open session time slot.

With this new selection criteria, TC rankings of programs will no longer be required.

Looking Ahead

Alternative ways to present programs, such as in TC meetings, in the assigned TC meeting room, is encouraged. This alternative presentation method will be advertised on the meeting program. Note that audio-visual equipment will not be available for these sessions.

Look for program information for the 2010 Annual Conference in Albuquerque to be posted prior to the Louisville Conference and for the 2011 Winter Conference in Las Vegas to be posted by the end of the year. The Conference and Expositions Committee is working to post calls for papers and programs 12 months in advance of a conference to help TCs plan their programs accordingly. With this new criteria and program submission and selection methodology we anticipate the presentation of higher quality programs which are schedule well in advance of the meetings so that we can attract higher attendance to our programs.

Thank you for your assistance in improving the quality of our programs.

Sincerely,
Kirk Mescher, Chair
Conferences and Expositions Committee
kirk@cmeng.com

cc: TAC

Memo on Status of ASHRAE Transaction Papers used in TC Programs submitted

MEMO

Date: February 3, 2009

To: Chair, Conference and Expositions Committee

From: Krishnan Gowri, Chair, TC 1.5 Computer Applications

Subj: Status of ASHRAE Transaction Papers

During the recent Chicago meeting of TC 1.5, members were concerned that the Conference and Expositions Committee is considering identifying the Transactions Papers as Conference Papers. The current double blind review for ASHRAE Transaction papers satisfies many academic departments which classify these papers as journal papers for tenure and promotion. Renaming Transaction papers as Conference papers would remove this credit that many academics within TC 1.5 and other TC's currently receive and would discourage them from contributing to the Transactions. TC 1.5 discussed this situation and requested that I convey our TC's thoughts on this issue. The TC recommends that the CEC create two levels of Transactions Papers. The first level could be the proposed "Conference Paper" with a lower level of technical review, perhaps by the TC only. The second and more rigorous level would be the "Journal Paper" with a technical review similar to the current review process.

The existing International Journal of HVAC/R does publish Journal quality papers but does not have the capacity to handle the quantity or diversity of papers that Technical Sessions do. The academics within ASHRAE need the proposed second venue of Journal Papers to establish their publications.

Please help make ASHRAE publications valuable to our academics by making sure that they have the opportunity to publish within ASHRAE and get the credit they deserve to continue to be actively involved in high quality publications.

Thank you for your consideration,

Krishnan Gowri, Ph.D.

Chair, TC 1.5 Computer Applications

Senior Research Engineer

Pacific Northwest National Laboratory

Richland, WA