

ASHRAE TC1.5 Computer Applications

Meeting Minutes

Chicago, IL

2009 Winter Meeting

Jan 26, 2009

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

Action Item Summary

- Action 1:** Chair will forward the PES recommendation to RAC for further action. (RP-1468)
- Action 2:** CD+ deadline is on Feb. 2 Interested reviewers send comments to Mike Galler.
- Action 3:** Volunteers to work with RAP and provide a liaison report at the next meeting.
- Action 4:** Bruce Billedeaux to present Terminology Wiki Topic during next EmergenApps subcommittee meeting.
- Action 5:** Session chairs to submit program information by Feb 6, 2009. (Luisville meeting)
- Action 6:** Chair to work with Charlie to write a letter to CEC to introduce the new two level transaction paper strategy
- Action 7:** Steve Rosen to contact Ron and update the web site

ASHRAE TC1.5 ACTIVITIES SHEET

TC NO. TC 1.5 TC TITLE: Computer Applications

CHAIR: Krishnan Gowri VICE CHAIR/SECRETARY: Mike Pouchak

DATE: Jan 26, 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) 01/26/09
------------------	--------------	-----------------

Membership		
	Number Present	Total Number on Committee
Voting Members	9	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+ Feb'09		

Transactions	Seminars	Forums	Poster Sessions
	Seminar 11		
	Seminar 44		

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 _____

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					
Tim Dwyer	London South Bank University	X					
Mike Galler	NIST	X	X	X	X		X
Ron Nelson	Iowa State University	X					
Vernon Peppers	Peppers Engineering	X					
David Branson	Compliance Services Group, Inc.	X				X	
Steve Rosen	Autodesk, Inc.	X					X
Stephen Roth	Autodesk Inc.	X					
Non-Voting/Corresponding Members							
Bruce Billedeaux	Maverick Technologies	X					
Michael Pouchak	Honeywell, Inc.	X	X	X	X		X
John Crosby	Bentley Systems	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		
Xiaohui Zhou	IOWA Energy Center	X	X	X	X		
Chris Laughman	MIT/MERL	X	X	X	X		X
David Bornside	Siemens	X					
Charlie Culp	Texas A&M	X	X	X			
Zheng O'Neil	United Technologies	X					
Michael Schwedler	Trane	X					
Daniel Choiniere	Canmet Energy	X					
Norm Bourassa	CEC	X					
David Siegel	The Engineering Studio		X	X	X		
Darold Webschall	Esensors Inc.		X	X	X		
David Potter	National Instruments		X	X	X		
Robert Coleman	Trane				X		
Tianzhen Hong	LBNL				X		
Joe Fong	HVAC Solutions				X		
Jeff Watkins	Van Buren and Frank				X		
Brad Spence	HVAC Solutions				X		
Ben Davis	HVAC Solutions				X		
Joe Simmons	HVAC Solutions				X		
Jeff Haberl	Texas A&M					X	
Mark Hydeman	Taylor Engineering					X	
Alison Kwok	University of Oregon					X	
Robert L. Old jr.	Siemens					X	

**Minutes of the main meeting:
TC 1.5 Computer Applications
Chicago, Jan 26, 2009**

Monday 6:30-9:00 p.m. – Palmer Hilton / Spire(6)

Notes taken by Mike Pouchak, Vice-Chair/Secretary

1. **Call to order** – Meeting called to order at 6:30 p.m.
2. **Welcome – Introductions, Signup and Paperless meeting details** – Vernon Peppers provided Sharepoint server setup for all electronic meeting materials.
3. **Roll Call** - all voting here (Dwyer international present only for the executive meeting)
4. **Review of Agenda** - Revised to discuss RP-1468 PES Recommendation and vote in an Executive session as the first item before Dwyer leaves at 7:00.

5. **Executive Session** – RP-1468 PES Chair Dave Branson presented the PES recommendation. It was approved by a TC vote of 7-2-0 (chair voting).

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

6. **Approval Of Minutes from 2008 Salt Lake City Meeting** – Add Rick Larson to the Attendees list. Moved by Branson/ 2nd by Grondzik. Motion carries 6-0-1 Chair not voting.
7. **Chair's Report**
 - a. Dinner plans – Mike Galler - Giodonnos – meet in Lobby 10 minutes after we adjourn. On Street Level by Elevator .
 - b. Announcements
 - c. Step-up-to-the-plate awards – Tim Dwyer recognized as Fellow.
 - d. Smart Sensors Seminar– 100 Grand award Xiaohui Zhou
 - e. RP-1468 PES Chair - 100 Grand award to Dave Branson
 - f. Larry Shaffer volunteer for programs – 100 Grand award.

8. **Subcommittee Reports**

- a. **Handbook** – *Mike Galler*
Submission for new wireless sensors.

Motion: Add for Wireless Application Content to chapter 39 in the Cd+version.

Move by Galler, 2nd by Roth.

Vote: 8 – 0 – 0 chair voting.

ACTION: CD+ deadline is on Feb. 2 Interested reviewers send comments to Mike Galler.

Complement by Walter Grondzik, Handbook chair that Mike has been proactive.

- b. **Research** – *Rob Hitchcock*.
RAP report mentions 1.5 in 3 areas for feedback:
 - 1)Maximize actual operation energy performance of buildings & facilities
 - 2)Energy Stds Dev, Compliance & Enforcement
 - 3)Building Information Modeling of energy efficient, high performing building.

RAP is anticipating that half of 2.5 million/year would be allocated to address strategic goals, and other half to the traditional process. By May RAP will have 2nd draft of goals statement. They are asking Liaisons to be assigned to work with Goal Champion. July 2009 – March 2010 will be review cycle and have approved by June 2010. Myriad technical proposals. Need to investigate co funding agency interactions. Solicit volunteers from TC 1.5 to work with the Goal champion

- Roth volunteered for BIM.Relation of Domain to RAP and RAC.
- Roth volunteered for 3) Contact: RAP.BIM@ashrae.net
- Grondzik volunteered for 1) Contact: RAP.bldgopeffic@ashrae.net
- Krishnan volunteered for 2) Contact: RAP.Stds@ashrae.net

ACTION: Volunteers to work with RAP and provide a liaison report at the next meeting.

Other topics for new RTAR topics ASHRAE - Integrating smart building system ; software corrected sensors; social networking

c. **Emerging Applications** – *Xiaohui (Joe) Zhou*

Discussion and topics about BIM from seminar speakers. Some topics included Smart Sensors. Discussion of multiple sensor formats from members of the seminar.. Missing link between protocols - between Wireless and other protocols. Discussion on Communication Standards. Speakers from Seminar 11-Smart Sensors and the HVAC industry brought new terminologies and ideas. Discussion on a mini-presentation at the next subcommittee meeting. Bruce Billedeaux volunteered.

ACTION: Bruce Billedeaux to present Terminology Wiki Topic during next EmergenApps subcommittee meeting.

d. **Program** – *Pornsak Songkakul*

Program scheduled in Chicago:

Seminar 11: Smart Sensors and the HVAC Industry – Well attended on Sunday morning.
Seminar 44: BIM and Building Performance Analysis – Tuesday 9:45 – 10:45 a.m.

Topics for approval from Chicago for Louisville:

- 1) Virtual Learning (Chair: Tim Dwyer)
- 2) Smart Sensors, Dumb Protocols (Chair: Joe Zhou)
- 3) Building BIM- to SIM to BIM to SIM (Chair: Rob Hitchcock) -

Motion: To accept the program proposals as ranked by the Program Subcommittee.

Move by Grondzik , 2nd by Nelson. Discussion: None.

Vote: 8 – 0 – 0 chair voted

ACTION: Session chairs to submit program information by Feb 6, 2009.

Pornsak will not be able to attend Program committee. Larry Schaeffer is taking over as chair.

Symposium – (Chair: Pouchak) Must be written by February 16 and review process started soon for Orlando submission. Earliest approval is 8 weeks. 3 papersplanned: Charlie Culp, Chris Laughman on Fault Detection, one more needed. Ron Nelson not interested to resubmit.

Charlie Culp comments on paper review. ASHRAE would like to take symposium paper to international journal of HVAC. ASHRAE symposia papers could pass a journal quality paper. This could potential reduce participation. There could be two levels:instead of conference paper, could create conference level paper, or journal level paper. Many Academic departments don't recognize conference papers but recognize journal level paper.

Motion: Branson moved Culp recommendation that Chair write letter to CEC : (conference and Expositions committee) ASHRAE proposing new two level transaction papers strategies.

Moved by Branson, 2nd by Peppers. Discussion: None

Vote: 6-1-0 Chair not voting.

ACTION: Chair to work with Charlie to write a letter to CEC to introduce the new two level transaction paper strategy

e. **Web Page** – *Ron Nelson*

Ron has requested to transition the Web master role. Recognition for Ron was given. Steve Rosen has agreed to be the new web master role.

ACTION: Steve Rosen to contact Ron and update the web site.

f. **T&P** – *Dave Branson*

Didn't have a quorum. No minutes.

9. **Liaison Reports**

- a. GPC-20 – *Rob Hitchcock* – filled in by *Larry Schaefer* Research project 1355 Common Data Definitions for HVACR. Repository of information to be created using Wiki. Comments with Report conclusion, to be revised when included in the GPC-20 guidelines.
- b. BIM Society Steering Committee – *Rob Hitchcock* filled in by *Steve Rosen* – Society level by *Dave Conover*. Met on Saturday to approve a BIM guide. No agreement on audience - 20 page document to be reviewed again. 7.1 was asking for a BIM 101 seminar.
- c. ASHRAE Sustainability Activities Report – *Pornsak Sangkakul* – (Standards Programs Committee) SPC189.1 Std for Design of High Performance Green Buildings is being reactivated. Consists of 34 voting members. 140 people applied to be on the committee. Includings lighting society. Need draft by 2009 and standard by 2010. Goal is to put LEED requirements in code language. 189 came from TC 2.8 Building Environmental impacts and sustainability. CABA just completed a study of convergence of Green and Intelligent building- it is available for download at no charge from CABA from www.caba.org/brightgreen - Convergence of Green & Intelligent Buildings.

10. **Old Business** - None

11. **New Business**

- a. RP-1468 – *Dave Branson* – already discussed
- b. Improving Building Operating Decisions – *Angela Lewis, PSU* – Any contributors on Building Operations Decision would be appreciated. She is interested in energy efficient buildings. Walter will be responding to this request.
- c. Roster changes- *Nick Rjokovick* will no longer be attending. Rollover roster will take effect after Louisville. *Mike Galler* will be new vice chair and secretary. *Krishnan* rolling off. *Mike Pouchak* will be the new Chair.
- d. Program subcommittee Chair will be *Larry Schaefer*.
- e. New voting member appointments – *John Crosby, Larry Schaefer* and *Xiaohui Zhou*
- f. *Mick Schwedler* – drew attention to encourage new members.
- g. Sharepoint server for meetings – *Vernon Peppers* . Consensus was that it worked well. There may be a society level incentive.

12. **Next Meeting Times** – No changes discussed for Louisville, KY

13. **Adjournment 8:52 p.m. TC Moved by Rosen/Galler vote unanimous**