ASHRAE TC1.5 Computer Applications

Meeting Minutes

Salt Lake City

2008 Summer Meeting

June 23, 2008

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

ASHRAE TC1.5 ACTIVITIES SHEET

TC NO. TC 1.5   TC TITLE: Computer Applications
CHAIR: Krishnan Gowri   VICE CHAIR/SECRETARY: Mike Pouchak
DATE: June 23, 2008

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) 06/23/08

Membership		
	Number Present	Total Number on Committee
Voting Members	9	12
International Members	1	1
Corresponding Members	6	40
Visitors and Guests	3	-

Handbook Responsibilities		Standards Responsibilities	
Volume and Chapter (number only)	Next Revision Due Date	Standards Number (number only)	Next reaffirmation date
Applications, Ch. 38	TBD		

Transactions	Seminars	Forums	Poster Sessions
	Seminar 67		

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

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
Vikrant Aute	University of Maryland	x			x		x
Bruce Billedeaux	Maverick Technologies	x					
David Branson	Compliance Services Group, Inc.	x				x	
Robert Coleman	Trane	x					
John Crosby	Bentley Systems	x					
Tim Dwyer	London South Bank University	x					
Peter Ellis	NREL	x			x		
Mike Galler	NIST	x	x	x	x		x
Krishnan Gowri	Pacific Northwest National Lab	x	x	x	x		x
Walter Grondzik	Ball State University	x	x	x	x		
Cliff Holle	Mapcon	x					
Rob Hitchcock	Lawrence Berkeley National Laboratory	x	x	x	x		x
John Kennedy	Green Building Services	x					
Ron Nelson	Iowa State University	x	x	x	x		
Bob Old	Siemens Building Technologies						
Zheng O'Neill	Utrc.utc						
Vernon Peppers	Peppers Engineering						
Michael Pouchak	Honeywell, Inc.	x	x	x	x		x
Steve Rosen	Autodesk, Inc.	x					
Stephen Roth	Carmel Software	x	x	x	x		
Pornsak Songkakul	Siemens Building Technologies						
Larry Schaefer	Carrier	x					
Darren Smith	P2Seng						
Anna Zhou	Taylor Engineering						
Frank Spevak	The Energy Conservatory		x	x	x		
Xiaohui Zhou	IOWA Energy Center	x	x	x	x		

Minutes of the main meeting:
TC 1.5 Computer Applications
Salt Lake City, June 2008

Notes taken by Mike Pouchak, Vice-Chair/Secretary

1. **Call to order** – Meeting called to order at 6:40 p.m.
   June 23, Monday 6:30-9:00 p.m. - Hilton / Alpine East(2)

2. **Welcome** - Introductions, Sign up

3. **Paperless Meeting Details** :
        Search for wireless network tc15
        Browser Connection information:
        http://192.168.0.100

4. **Agenda Review**

5. **Roll call** –
Present: Pouchak, Galler, Nelson, Branson, Gronzik, Rosen, Roth, Gowri, Dwyer – 9/9: Quorum is present

6. **New York City Meeting Minutes** - Approval
Motion to approve NY minutes: Motion by Nelson, second by Aute;
Vote: 8-0-0 (chair not voting)
Motion approved

7. **Chair's Report**
        Dinner Plans – Stephen Roth provided the details
        Tony Jacobi – Section 1 Head – was introduced

        Announcements:
        Handbook Due next summer
        Program Committee liaisons will no longer be
        BIM committee is now active at the society level
        Step-up-to-the-plate Awards – Joe Zhou for chairing the Emerging Apps SC
        Walter Grondzik for filling-in for Pornsak as program subcommittee chair
        Roster changes, new subcommittee chairs
                - Vikrant Aute departing to Japan on sabbatical, need a voting member
                - Need a permanent Emerging App subcommittee chair

8. **Action Items Review** (See New York City meeting minutes) –
        RP-1438 workstatement yet to be written. John Kennedy to follow-up.

9. **Subcommittee Reports**

        Handbook – Mike Galler - See attached subcommittee minutes

        Research – Rob Hitchcock – met last night- two primary topics ;

* update on RP-1354 (Common Definitions for HVAC&R definitions); Held last PMS – Guard Analytics submitted draft final report. Will wrap up edits to final reports by end of July. GPC-20 will pull results of research into Guideline and 1st review before January 2009 Meeting

* RP-1468 – Reference BIM for Thermal model testing; status – RTAR approved by RAC. Need to progress to WS. Request version 1.2 of the WS from Rob Hitchcock; Aug 15 & Dec 15 are the next submittal dates. Rob is collecting a list of names to assist in the review.

* Update on Frank Spevak RTAR proposal, needs cosponsorship from TC 1.5

Motion:	Support RTAR for Searchable Database of ASHRAE Standard Cross References
Moved by:	Branson/seconded by Roth
Discussion:	General support of the concept, though there are questions about the research value of the proposal
	VOTE: 9-0-0 (chair voting) motion carries.

Emerging Applications –Chaired by Joe Zhou – Talked about smart sensors and applications in HVAC industry; Need manufacturers to come to Chicago to talk on this subject. Talked about Wireless technologies. Talked about new program ideas for program subcommittee. Joe volunteered to lead as subcommittee lead.

Program (Pornsak Songkakul absent) – Chaired by Walter Grondzik –
See attached minutes.

Three program proposals for Chicago were voted and ranked:
#1 – Seminar: Smart Sensors and HVAC Industry, Chair Zhou, 3 speakers to be arranged
#2 – Seminar: Using BIM for LEED Certification, Chair Steve, submitted for SLC but not scheduled
#3 – Seminar: Saving Time and Energy with Virtual Learning, Chair Dwyer, submitted for SLC but not scheduled

Motion:	To accept program as proposed and ranked by the program subcommittee
Moved by:	Gronzik, Seconded by Branson
Discussion:	None
	Vote: 9-0-0 (chair voting) – Motion Carries.

Lot of discussion for forum called social networking for the HVAC industry!

Programs Scheduled in Salt Lake City:
Seminar 67: **Actual Building Performance: Measurement, Benchmarking and Labeling**
Chair: ***Robert Hitchcock*** (W*ed. 06/25: 11:00 a.m. – 12:30 p.m., **SP Convention Centre Ball Room F**)

Web Page – Ron Nelson – up and running –
Krishnan would like feedback on the web page.

T&P – Dave Branson – subcommittee discussion to continue over dinner.

10. **Liaisons**
Program Liaison – Bob Bun will be the last representative before the position is removed.
Handbook Liaison 2009 – Mark Madera is our laison.

RAC Research Liaison – Sriram Somasundaram - update from Rob Hitchcock who attended 6:30 a.m. Research Chairs – update to research manual is now available on ASHRAE web site. New conflict of interest section in research manual. Need to keep the subcommittee laison involved in WS developments.-

Question from RL1 on RP-1228 Case studies for software research using the software Guide–Quebec city minutes document. Henry Amistadi , the PI, changed to a non HVAC industry and project –
From TC 1.5 Quebec city minutes (June 2006):
Past Research Projects/Proposals Status :
1228RP – Henri Amistadi – Project no longer active, but needs closure (Action: Martha to contact Charlie Culp) . Contractor not responsive and PMS is inactive. Requested a motion to terminate the project.

Motion:	*TC 1.5 withdraws support for RP-1228*
Moved by:	*Mike Pouchak Seconded: Dave Branson*
Vote: *8-0-0 (chair voting)*	*Motion Passed.*

GPC-20 – Chip Barnaby/Rob Hitchcock –Rob gave an update on GPC20 progress.

International Alliance for Interoperability - Rob Hitchcock now has a new name "Building Smart Alliance"

11. **Old Business -none**

12. **New Business**
a) ASHRAE Data Dictionary Task force – volunteer to join the ad-hoc committee
-Bruce Billedeaux - He said Mark Palmer is asking for a data dictionary. Staff would like to make it electronic. SPC166 (HVAC &R Terminology) will be all XML. Gordon Holness is pushing this. Job is to use ASHRAE Data Dictionary Task force as part of solution. Need volunteer from 1.5 that can understand the system. Need to understand 1) process in general in an automated environment 2) understand restrictions and possibilities. Commitment is to be less than 1 year. Roth volunteered.

2) Update from Cliff Holle about Mapping Survey. Scanned a .5 million square ft. GSA building for HVAC features with a scanner that is mounted above tile line of 1905 courthouse for renovation. Goal is to move to BIM ; Technology is a Geographic Information Systems (GIS) combination with mechanical features – this technology is heading for HVAC industry. See BIM focused on tool for new construction but what about all these existing facilities? Image a 3 dimensional database of all the building structure; convert vast amounts of data and convert to an "as-built" BIM.

3)Proposal by Glaser from GARD Analytics, the contractor for RP-1354 - Simulation Aided Design for High Performance Buildings - Questions were brought up concerning effectiveness and further clarification from Jason is needed for voting on this proposal.

Schedule for Chicago for TC 1.5- Meet at the same times

Vikrant Aute going on Sabatical – will be rolling off for a year. – A big "Thank You" to Vikrant for all the hard work on paperless meeting software and for all his contributions to TC1.5 and ECC.

Volunteer needed to fill Vikrant's shoes as a voting member -   New voting member will be John Crosby.

Adjourn-Unanimous.
Submitted by Mike Pouchak, TC 1.5 Vice Chair and Secretary.

Subcommittee Meeting Minutes

TC1.5 Program Subcommittee Minutes
Meeting Held on 22 June 2008

Four program proposals for Chicago were voted and ranked:

#1 – Seminar: Smart Sensors and HVAC Industry, Chair Zhou, 3 speakers to be arranged
#2 – Seminar: Using BIM for LEED Certification, Chair Steve, submitted for SLC but not scheduled
#3 – Seminar: Energy Labeling: Software Tools for Asset and Operational Rating, Chair Dwyer, speakers available – WITHDRAWN: roll over to future meeting
#4 – Seminar: Saving Time and Energy with Virtual Learning, Chair Dwyer, submitted for SLC but not scheduled – re-ranked #3 (see note above)

There are several program proposals lined up for consideration for future meetings.

TC 1.5 Emerging Applications Subcommittee Meeting Agenda - Minutes
Agenda:

1. **Welcome and Introduction, Sign Up**

2. **IEEE 1451 Smart Sensor Technologies**
   - Short intro
   - Discussion – how can we use these sensors?
   - Seminar proposal – shoot for Chicago meeting

3. **Wireless Technologies**
   - Mike Brambly will propose in handbook committee

4. **New Ideas on Other Emerging Applications**
   - BIM concept
   - Semantic web – ASHRAE website cross reference, link, search

5. **New Program Ideas for Chicago 2009**
   - BIM probably not in Chicago 2009
   - Seminar proposal – shoot for Chicago meeting
   - Social networking for HVAC industry – Tim (facebook, second life, etc.)
   - Open forum
   - Energy labeling – software tools, programs, what are available?

6. **Adjourn**

Minutes
Handbook Subcommittee
ASHRAE TC 1.5
Salt Lake City 2008 Annual Meeting

Location Hilton/Meeting Salon II (L)
Monday June 23 6:00-6:30p

1. **Welcome and introductions**
   Attended by: Galler, Modera, Pouchak, Aute, Hitchcock, Hydeman

2. **Liaison- Mark Modera**
   - noted that we are at beginning of revision cycle, commented on results of workshop

3. **Review of current status of submitted Handbook**
   - Galler noted that at this point in the revision cycle, we have the opportunity to make major changes

4. **Handbook Workshop report: Improving the Applications Volume of the ASHRAE Handbook:**
   Problems found:
   -lacking info on sustainability
   -Handbook is invisible to Google searches (XML tags needed on all pages)
        -losing next generation of designers
   Recommendations (summary relevant to TC1.5)
   - add sustainability info to existing chapters
   - move to web-centric handbook
        o no plans, funding or staff
        o see if we can help
- discussion followed. Chair will try to help convert handbook to web-centric format, asked for other volunteers.

5. **New topics for consideration**
   - Wireless Technologies content from TC 7.5 (Brambley)
   - Brambly spoke on new content for chapter. It is noted that this topic was considered previously, but it was considered that it might belong better to other TCs. It is noted that those TC's are now supporting inclusion in this chapter.
   - -Brambly provides outline of new proposed content, promises more substantial version by November(??).

6. **Updates for next meeting** - none

7. **Adjourn** - meeting adjourned at 6:30.