

ASHRAE 2013 Annual Conference – Denver

TC 1.5 Computer Applications- Agenda

TC 1.5 Public Web site: <http://tc15.ashraetcs.org/>

TC 1.5 ListServ (mailing list) : tc105_all_lst@listman.ashrae.org (Contact chair or vice chair to be added)

TC 1.5 Members-only Site: <https://sites.google.com/site/ashraetc15/> (Contact chair or vice chair for access)

Main Committee Meeting

Monday 6:30-9:00 p.m.

Plaza Court 6

1. **Call to Order**
2. **Welcome – Introductions**
3. **Roll Call** – List of Voting members from 2013-2014 TC 1.5 Roster: Galler (ch), Kennedy, Rosen, Bourassa, Dwyer (NQ), Welle, Crosby, Billedeaux, Branson, Pouchak
 - a. Quorum established
4. **Review of Agenda**
5. **Approval Of Minutes from 2013 Winter Conference in Dallas**-minutes approved
6. **Review Action Items from 2013 Winter Conference in Dallas**
7. **Subcommittee Reports**
 - a. Handbook – *Steven Rosen*
 - i. *Steve asks for members and outside reviewers to review sections of the chapter*
 - ii. *Go the ASHRAE website for review form- Handbook central*
 - b. Research – *John Kennedy*
 - i. BTL – like testing lab for apps- w. ASHRAE stamp of approval, possible revenue source?
 - ii. There are 4 rtars in development- target date is September
 1. HVAC systems thermal control and performance (TC 1.4 cosponsor) Pouchak
 2. Branson - BIM for daylighting
 3. Reference BIM for thermal zoning (cosponsor w. 4.7)
 4. Roth- development of reference equipment models for BIM (SPC 205)
 5. Bio-Sensing Adaptive Visual Environment Control in the Workspace
 - iii. Art mentions that there is an excess of funds for research projects.
 - c. Emerging Applications – *Norm Bourassa*
 - i. Web service- note to Tech Council
 - ii. ASHRAE apps- discussion moved to Program Subcommittee
 1. How to improve apps
 2. How to help ASHRAE apps
 3. Art Halstrom- strong demand for 90.1 compliance app.
 4. Art Halstrom- big data, high resolution monitoring for building controls
 - a. < 1 sec monitoring
 - b. For building commissioning
 - c. Norm will prepare doc to support this for ASHRAE
 - d. Program – *Stephen Roth*
 - i. 5 submitted for Denver, 3 accepted- all on Monday
 1. All were ‘excellent’
 2. Seminar Quality BIM objects for lifelong building reality in the virtual world
 - a. Dwyer moderated, ~55 attendance.
 3. Forum: How to improve HVAC software to support integrated work processes.
 - a. Cosponsor with gcp 20
 - b. Hitchcock moderated, 30-40 attendance.
 - c. All attendees said they would like an ASHRAE Journal article on this topic.
 - d. Much conversation was generated during Forum
 4. Advancements in BIM Interoperability Solutions to Aid in Integrated Project Delivery (IPD)
 - a. Roth moderated, ~200 attendance.
 - ii. Several seminars to submit for NYC:
 1. Roth- Advanced 3d printers and GIS

- a. Discussion- How is this helping in HVAC now? What new tech will this enable?
 2. Dwyer- Mobile apps seminar
 3. Security for hvac automation
 4. Energy IQ and Universal Translator
 5. Reality capture
 6. Great apps coming out of design competitions
 7. Mobile apps for load calcs
 - e. Web Page – *Mike Galler*
 - i. Most web pages on ashraetcs site have been updated, some still need to be updated. Subcommittee chairs asked to send updates to Mike.
 - f. PMS 1468– *Dave Branson*
 - i. From RAC- TC FORMALLY APPROVE FINAL DELIVERABLES RECEIVED IN MAR. 2013 BY VOTE AND PROVIDE COMPLETED DISPOSITION OF ASHRAE RESEARCH RESULTS FORM TO CLOSE-OUT PROJECT.
 - g. E&P – *Dave Branson*
 8. YEA mixer with TC 1.5- Grondzik
 - a. TC chair should attend to encourage YEA members to join TCs.
 9. ASHRAExCHANGE update- Pouchak
 - 10. Chair’s Report**
 - a. Dinner plans
 - b. Announcements
 - c. Step-up-to-the-plate awards
 - 11. Liaison Reports**
 - a. GPC-20
 - b. IAI/BIM Society Subcommittee Report – *Steven Rosen*
 - c. TC 7.3- WS 1609 - Defining the Capabilities, Needs and Current Limitations of Building Information Modeling (BIM) in Operations and Maintenance for HVAC&R
 - d. TAC- Vic- gives thanks for job well done
 - e. RAC- Art-
 - i. New RTAR form
 - ii. Art must take part in PES meetings.
 - iii. Art will continue on RAC for 4 more years.
 - 12. Old Business**
 - 13. New Business**
 - 14. Next Meeting Times** – ASHRAE Annual Conference, Seattle, WA June 18-22, 2014
 - 15. Adjournment- 9:00 PM**
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Attendance:

Mike Galler

Ben Welle

Dave Branson

Vic Panar

Alamelu Brooks

Todd Gotshall

John Kennedy

Joshua New

John Crosby

Joe Simmons

Josiah Wiley

David Bornside

Stephen Roth

Walter Grondzak

Patrick Carpenter

Dan Rau

Art Giesler

Norm Bourassa

Mike Pouchak

Tim Dwyer

Bruce Billedeaux

Joon-Ho Choi

Mark Hydeman