

ASHRAE 2020 Winter Conference – Orlando, FL
TC 1.5 Computer Applications - DRAFT Minutes

TC 1.5 Public Web site: <http://tc0105.ashraetcs.org/>

TC 1.5 basecamp: <https://basecamp.cosm/2681208/projects/8192590>

Main Committee Meeting

**Monday February 3,
2020 6:30-9:00 PM
EDT**

(25/25)

Seminar Sponsoring and Cosponsoring:

Seminar 16: Multiscale Building Energy Modeling, Part 11. June 23, 1:30 – 3:00 PM

Seminar 50: How the Blockchain Will Affect You and Your Work in HVAC&R and Buildings: Don't Get Left Behind, It's Happening Now!. June 25, 11:00 AM – 12:30 PM

Seminar 62: Predictive Analytics for HVAC Engineers: What Is in the Box?. June 26, 8:00 – 9:30 AM

Call to order: 6:37pm

1. **Welcome:** Introductions
2. **Roll Call:** Number of voting members present to reach quorum (4/5): **Lindsey King (chair), Mike Galler, Bruce Billedeaux, Carol Lomonaco**
 - a. **John Crosby, Not present, Committee to remove as a voting member prior to Austin**
 - b. **Mike Pouchak, Patrick Carpenter, Stephen Roth, and Dave Branson volunteering to roll on as VM**
 - c. **AI - Joshua New to review roster and will attempt to cleanup**
 - d. **Mike Galler set to roll off on 6/30/20**
 - e. **AI - Lindsey will use emergency rules for adding volunteers above**

Attendees: Mike Galler, Mohammad Heidaringejad, Jennifer Lather, Carl Kline, Garrett Cormier, Joshua New, Tim Dwyer, Mike Pouchak, Bruce Billedeaux, Dave Branson, Patrick Carpenter, Dan Christensen, Stephen Roth, Carol Lomonaco
3. **Review of Agenda**
4. **Approval of Minutes from 2019 Annual Conference in Kansas City (Basecamp)**

Bruce moves to approve, Mike seconds, passes 4/0/0
5. **Review Action Items from 2019 Annual Conference in Kansas City (open action items in table below)**

Responsible Member	Description	Due Date	Completion Date
Lindsey King	Reserve Austin room locations	3.8.19	3.8.19
Mike Galler or someone else?	2 website action items: 1. Post section announcements on web site	Continuing	1 month after mtg.

	from subcommittee reports 2. Find previous minutes to update new website		
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6. Subcommittee Reports:

Emerging Applications: Anthony Fontanini

5-6pm February 2, 22 attendees

- Discussed seminars and research projects
- Additive manufacturing / 3D printing

Starting to see parts in the industry not just toys. High temperature and fine resolution products. Ex: Generator, molds for cast metal parts

Still too slow to print large at scale.

- *AI – D. Branson to lead a program item development. J. New may have contact for a presentation*

Programs: Mike Galler

- 3 Programs Submitted, 2 Accepted
 - *Cannabis Grow Facilities*- Very well attended, great presenter
 - *Great Energy Predictor III*- Very well attended
 - Not accepted: *Multi Scale Utility Energy Modeling*
- Speakers from KC all received ratings above 4
- Deadline for Austin Seminars, February 10 Deadline
- Intent to look further ahead to Chicago, Teleconference in April planned
 - *Basic Cybersecurity*: Chicago, Carol L has speakers lined up
 - *Top 10 OT Cybersecurity Best Practices*: Co Sponsor with 1.4 and 7.5
 - Frank Chair, Charity Young/ALC and Carol L to speak
 - Potential 3D Printing: Joshua New, Maybe Chicago
 - *The Dark Net*: Bruce Billedeaux/Mike Galler, Jennifer Lather volunteer to Chair
 - *Controls in an Evolving Landscape – The impact of 5G, Blockchain, AI, and other Exciting Technologies*: Co sponsor with 1.4, Mike Pouchak and Dan Christensen assembling
- Tracks for Seminars: <https://www.ashrae.org/conferences/2021-winter-conference-chicago>

Research: Todd Gottshall

- Research this morning, new RAC liaison Amid Rashid
 - PES and PMS Training Modules coming
 - 49 Projects, 8 Added this Fall
 - Need respondents to Research Survey sent on January 13. Please respond
 - New Strategic Plan in development, Previous is 5 years old
- 2 active projects:
 - PMS 1801 met yesterday, project on track
 - <http://data.ashrae.org/1801rp/>
 - *Altg- TG to make Basecamp notice for members to visit Robs site and provide feedback*

- PMS 1810 BuildSimHub, project on track.
- Drop Workstatements: TG to follow up with authors
- Next submission date for new RTARS or WS is 3/15.

Handbook: Krishnan Gowri

Krishnan: Didn't make deadline. Krishnan and Lindsey to review and pull in reviewers in time for next cycle due date.

- AIlk – will follow up with Krishnan on whether we can submit for electronic changes sooner than in a few years and if Krishnan wants to stay on as Chair.

Standards: Steven Rosen

- Steven Rosen not present.
- Bruce B: to follow up on status of GPC-20
 - Reaffirmed 2018, Will need to be reaffirmed in 2022
- ~~Chair has moved Standards as subcommittee~~

Cybersecurity: Mike Galler

- TAC discussed our request to form MTG Cybersecurity, Vote on 2/5/2020. Positive feedback.
 - Also with CIBSE
 - Considering Mike Galler as Liaison for TC1.5, at least for now
- Considering a Program with Carol L and Ron Bernstein on introducing Cybersecurity for IT
- Some sort of guide written by Mike on introducing cybersecurity concepts

Website: Mike Galler

- Mike Galler to update roster on website
- Mike P made suggestion for Chair to also clear roster and Basecamp members. AIjn – to address

7. Chairs Update

- a. Joshua New attended breakfast
 - i. Succession Plan
 - ii. Inclusive
 1. JN commended LK for bringing new people to table to be “INCLUSIVE”
 - iii. Healthy and Sustainable Environment For All
- b. 137/165 Conference Papers approved, half presented
- c. 25/27 Technical Papers approved
- d. 75/123 Seminars approved
- e. Tracks: Confer with Track chairs to get their buyin
- f. Extended Abstract: Mechanism for getting journal credit for work in ASHRAE behind pay wall
- g. Reorganization
 - i. TAC Reorganizational Committee in charge

- ii. Would like to 30 from 110 functional meetings
- iii. Pushing for subcommittee meetings to happen online
- iv. Aljn – will collate and communicate any feedback from TC1.5 on the topic of simplifying or merging or stay the same
- v. TC Vote: Merge unknown or particular other TC or Stay the Same
 - 1. Motion: Carol L: Vote to “Stay the Same” in regards to TAC initiative to merge or continue the current form.
 - 2. Lindsey seconds
 - 3. Discussion:
 - a. MG: Which TCs are being targeted to merge?
 - b. MP: Focus on value of TC 1.5
 - c. LK: There are volunteers from TCs to merge, etc.
 - d. MC: Questions our vulnerability because of low VM count
 - e. JN: Agrees VM count is a consideration
 - f. LK: Not concerned as there will be opportunities to appeal
 - g. MC/LK: Discuss value with other TC. Settle on staying the same
 - h. OFFICIAL VOTE: 4/0/0 Chair Voting in favor of motion**

- 8. 125th Anniversary ASHRAE Journal article
 - a. Stephen Roth: Call for Futuristic article for June Journal, Sara
 - i. Due End of April
 - ii. Dave B to be the lead
 - iii. JN willing to contribute

- 9. Review of TPS and new name
 - a. Ailk – to contact new section head on status

- 10. ASHRAE President
 - a. Incoming President requesting more support from TC1.5

- 11. **YEA update:** Lindsey King
 - a. LK made request at YEA.

12. **Next Meeting Times:** ASHRAE Annual Conference, June 27 , 2020 – Austin, TX

13. **Adjournment 8:40pm**
