

## TC 1.13 Minutes

13 Jan 2019

Attending: Peter Armstrong (VM), Chris Laughman(VM), Vikrant Aute (VM), Omar Abdelaziz (VM), Casey Briscoe (PCM), Matt Stinson (IR), Javier, Ed Morris (UTRC), S.A. Sherif (VM), Khaled Saleh (PCM) (should convert him to CM). We have quorum.

1:10: Meeting opened.

1:20: Motion to approve minutes from Houston (approved 5/0/0, chair voting).

Report from the Handbook Committee (Javier Korenka): Work is proceeding on the 2021 Fundamentals chapter. This needs to be finalized by 1 Feb 2020, and then needs to be approved by 31 July 2020.

Chair notes:

- New MTG.HWBE has been formed
- New TC 2.10 has been formed on the topics of resilience and security
- New version of the TC MOP has been revised and posted on the TC main page.
- New Residential Building committee has been formed.
- List of tracks for Kansas City 2019 meeting
- List of tracks for Orlando 2020 meeting
- Deadline for seminar and forum proposals is also Feb. 8.

There is now a new publication submission option called "extended abstracts", which is now open through February 8. There was some consensus around the idea that many conference papers are not up to par, which can be partially attributed to the fact that most academics are not interested in submitting conference papers because they are not indexed and are not peer-reviewed. While ASHRAE is pursuing the process of getting the conference papers indexed, this takes a long time. Extended abstracts are another means of pursuing improved publication quality. The extended abstracts are up to 3 pages on original research to provide the membership with an update without foreclosing the submission of the extended work to a journal. The extended abstracts will be presented in seminars at the conferences. In addition to the conference papers, ASHRAE will also publish the extended abstract. The extended abstracts will be reviewed more rigorously than the conference papers. All of the research abstracts are submitted to the research summit.

Section head announcements (Amir Jokar): Update roster and activity form by Tuesday night.

Program subcommittee:

- We will resubmit seminar "Optimization for Next-Generation Equipment" to the Kansas City meeting from last time.
- Workshop "Unlocking optimization for HVAC+R": Dave Yashar previously volunteered to chair (Omar Abdelaziz can if Dave is unavailable), Chris Laughman and Khalid Saleh, and Omar if he is not chair can also participate. Chris Laughman will contact Dave Yashar, and will cc: Omar.

- Seminar on controls: Teja from ORNL on MPC for buildings, potentially Bo Shen did some work on controls for cold-climate heat pumps, Chris Laughman could also potentially work on controls, Peter has a grad student on efficient scheduling of cold-storage (Omer Qureshi). Khalid Saleh could chair. We can reach out to TC 1.4 to see if they are interested in participating. Potential title: "Optimized control for HVAC+R Applications".

- TC 8.4 could sponsor a seminar on HEX optimization: Vikrant and Chris could present on HEX circuitry optimization, Greg Nellis from Wisconsin on HEX shape optimization, Vikrant could also present on updates on the DOE HEX work. TC 1.13 could also potentially co-sponsor this seminar.

2:16: Program info approved 5/0/0

Handbook chair (Vikrant Aute): Vikrant sent out a chapter outline. Potential for a meeting on 2/11 at 11am EST. Vikrant will coordinate with ASHRAE HQ.

Membership chair: Peter, Omar, and Sharif are rolling off in June. Proposal for making Zheng O'Neill, Khalid Saleh, and Kyle Gluesenkamp voting members.

Discussion about TAC proposal for reducing the number of TCs and constructing a smaller number of Technical Working Groups (TWGs). Sharif: Silos are a good thing because they allow the group to get deep on a subject. Larger groups will prevent as many people from participating. 110 is probably too many, but reducing them to 30 is probably too extreme. Need a better proposal for how to aggregate the TCs; people want to participate in more TCs, but are not able to because of the time constraints. Not clear who exactly was surveyed. This also assumes that all of the subcommittee work happens outside of the ASHRAE meeting times, which may not be practical for most people who don't have the time outside of the ASHRAE time. Depth vs. breadth is a real concern. The work being done in TC 1.13 would not be done in the same way if it was included in another TC. If we were to merge with another TC, perhaps TC 1.4, though that would still likely dilute the TC significantly.

2:54: Adjourned, 5/0/0.