

TC 1.13 minutes

2017/06/25, Long Beach.

Attendees: Omar Abdelaziz, David Yashar, Vikrant Aute, S.A. Sherif, Chris Laughman, and at least 5 other people. 5/7 voting members, so we have quorum.

Meeting opened at 1:12pm.

1:16p: Minutes from Las Vegas were approved 5/0/0/0, chair voting.

Question: What is the scope of the TC? Mathematical techniques that can be used to optimize the design and operation of these systems.

Chair notes: We need to update the roster by June 30. Vikrant is also looking for track ideas to submit to CEC. The deadline for submitting seminars for Chicago is August 1. Regarding publications: ASHRAE technology portal has some nice resources. Conference papers and seminars are available through this portal. Collaborative work portal is also available for development of standards or handbook chapters.

Vikrant recommends that we submit proposals to the TC chair or track chair to get feedback to improve submissions before the submission deadline. Try to communicate with both organizations better when submitting proposals.

Program chair notes: There were 60-70 people at our seminar. Successful.

Track proposals: A proposed title of a track is "Optimization in HVAC+R Systems". Vikrant has already talked to TCs 1.4, 1.5, 1.13, and 7.5. Omar can contact TCs 1.3, 8.4, and 8.5, and 8.11. Peter Armstrong can contact TC 7.5, and Chris Laughman can talk to TC 8.7. Zheng O'Neill can talk to TC 7.6, 7.3 (for autotuning). Best case scenario: a motion at this meeting to officially support the track. Also can send an email to Vikrant (TC 1.13 chair).

Program ideas for Chicago: Tutorial for the application of an optimization method to an HVAC application. Multiple approaches: one method, three problems, or three methods, one problem. This would tie in well with a handbook chapter as well, since people would have some background to go look into. Some convergence on looking at one problem and solving it with multiple methods. Could also expand or define slightly different problems (duct sizing problem, optimizing fan power, or optimizing cost).

Zheng O'Neill will chair a seminar on back-to-basics for optimization of duct sizing. Chris Laughman, Omar Abdelaziz, Daniel Bacellar, Sreenidhi Krishnamoorthy will coordinate to participate. Vikrant will provide some materials.

Dave Yashar will chair a seminar for Chicago for heat exchanger research, Daniel, Vikrant, and Omar can potentially participate. Dave Yashar could also potentially present.

It might also be useful to solicit interest on MPC from IBPSA people and so forth - IBPSA participation would be good for a track. Possible for Houston or for Orlando as a track.

2:29: Motion for this programs: 5/0/0/0, chair voting.

Handbook subcommittee: Need to have a meeting to discuss the chapter and distribute writing responsibilities. Vikrant will schedule a phone call.

Website: the minutes have been added. Will add seminar that we presented in this meeting.

Membership: We have new members, Vikrant will send out the new membership list as soon as he receives it.

Meeting adjourned at 2:47, 5/0/0/0, chair voting.