

TC 1.13 minutes

June 23, 2019

VMs (out of 7):

1. SA Sherif (UF)
2. David Yashar (NIST)
3. Peter Armstrong, Chair (MIT)
4. Chris Laughman, incoming Chair 7/1/2019 (Mitsubishi)
5. Vikrant Aute (UMD)
6. Omar Abdelaziz (ORNL)

Non-voting: Kyle Gluesenkamp, Secretary (ORNL), Jim Gao (Google), Katie Holmstrom (IR-Trane), Tony Bruno (IR-Trane), Aaron Opatz (IR-Trane), Casey Briscoe (IR-Trane), Farhad Omar (NIST), Amanda Pertzburn (NIST), Todd Einck, Khaled Saleh (Goodman-Daikin), Mohamed Osman, Donghun Kim (LBNL)

1:13 PM Meeting called to order by chair Peter Armstrong.

Announcements:

- Peter Armstrong reviewed deadlines for Orlando and Austin meeting. Orlando seminars due **August 2**.
- Guest introduced by David Yashar: Howard Harary Director of research labs at NIST

Chair notes

- Workshop this morning went well.
 - o Emphasis on implementation was appreciated
- Our TC sponsoring two seminars here at KC. One this morning at 11:00 and this afternoon at 3:15.

1:20 – 1:40 Program (Zheng, not present, covered by Chris). Discussion about Orlando seminars (January 2020).

1:40 Approved (5/0/0 CNV): Vikrant moved, David seconded proposal for the following seminar.

- Title: “Optimized control of residential systems for thermal comfort and energy management” with these speakers:
- 1. Farhad Omar control algorithms for multistage residential heat pumps. Assessment framework incorporating comfort, efficiency, cost.
- 2. Peter Armstrong – control optimization for pre-cooling building with thermal capacitance
- Discussed, by not yet at a presentable stage
 - o Omar Abdelaziz – have material not yet at a presentable stage
 - o Chris – also has material not yet at a presentable stage
 - o Frost modeling
- **Action item:** ? submit proposal for seminar

1:40 – 1:58 Program (Chris). Discussion about Austin CPS or TPS abstract by Aug 12, paper due by January 8

Proposed session for Austin papers (June 2020):

- Tentative chair: Chris
 - o CP: Farhad
 - o CP: Omar
 - o Extended Abstract: Peter
 - o Extended Abstract: Vikrant
- **Action items:** authors above submit proposals. Chris remind them.
- Background: there are now three types of papers. CP and EA can be combined into one session.
 - o TP: technical papers
 - o CP: conference papers
 - o EA: Extended abstracts only for summer meetings Research Summit
 - New
 - Only can be accepted or rejected, not revised
- Papers are now being indexed in three databases

1:58 – 2:17 Research (Omar). Discussion about research. TC 1.13 has not had an active research subcommittee. Omar is the Research subcommittee chair. Dave comments that there would be lots of opportunities to co-sponsor, but we may not have much research standalone for 1.13.

- Potential ASHRAE research opportunity: An optimization tool for systems does not exist. There's BeOpt and others, but nothing for whole systems.
 - o Would need to be sure it's pre-competitive in nature
- Another opportunity: a Guideline. Through a PTAR, a new mechanism from RAC for publications. Best practices, examples from literature, new examples developed for Guideline. May be some overlap with handbook chapter.
 - o Dave is conflicted (RAC chair).
 - o Omar (Section 6 RAC liaison) would not be conflicted to support the process.
 - o **Action item:** Chris can take the lead to develop the PTAR
 - o For discussion in January.
- Peter reminds everyone to consider co-sponsorship of research from other TCs pertaining to optimization.

2:17 – 2:29 Handbook. (Vikrant)

- Handbook subcommittee held web meeting Feb 11, 3 attendees.
 - o Khaled requests a deadline and reminders for authorship activities.
 - o **Action items:**
 - Vikrant set up calendar reminders for authors.
 - Vikrant send out outline, with author portal info, and propose authors for each section of the outline
 - o Still seeking volunteers to contribute to sections of the chapter.

2:29 – 2:34 Membership (Chris).

- Omar, Sherif, rolling off as VMs
- Khaled, Kyle can roll on
- TBD: Steve Treado may not be attending in future. Consider replacing in January.
- **Action items:**
 - o Chris or Peter update roster
 - o Chris reach out to Steve

2:34: Chair's report (Peter).

Should do more outreach with other TCs.

2:35

January 2019 Minutes approved (5/0/0 CNV)

Motion to adjourn was made and seconded. (6/0/0 CV)

2:36 Meeting adjourned