**ASHRAE TC 4.10 - Indoor Environmental Modeling; Main Committee Meeting**

**Kansas City, Missouri**

**2:15 pm – 4:15 pm, Monday June 24, 2019**

**MEETING MINUTES (Draft)**

1. Call to order - Chair (Mike Koupriyanov)
2. Welcome and introductions (Mike Koupriyanov)
3. Roll call (Leon Wang) – voting members (8: Present; 2 Absent, 2 international VMs Absent)

Mike Koupriyanov: Present Duncan Phyfe: Present

Donghyun Rim: Absent Jim Van Gilder: Present

Cheng-Xian (Charlie) Lin: Present James Bennet: Present

Wangda Zuo: Present Yan Chen: Present

Leon Wang: Present Stuart Dols: Absent

Xudong Yang[[1]](#footnote-1): Absent Tengfei (Tim) Zhang1: Absent

1: International Members

1. Meeting Minutes:

No correction. Vote to pass: 8-0-0

1. Announcements and reports (Mike Koupriyanov)

* New section 4 head – Jamie Bennett
* Need to use Basecamp for research and other collaborative work
* Upcoming TC officer changes (07/01/2019)
* Wangda Zuo – Chair
* James Lo – Vice Chair
* Leon Wang - Secretary
* Chair’s Breakfast - Sunday (06/23/2019), 6:30 - 8:00 AM
  + Possible meeting time adjustments for subcommittee meetings
  + ASHRE’s plan to re-organize the FGs
    - Possible mergers but currently voluntarily
  + New Chair breakfast format

1. Membership

No change except for the officer changes above

7. Standard/Guideline (no update)

8. Research

* RP-1675 PM Meeting (J. VanGilder)
  + All units of sever simulators are being received and installed
  + GA Tech lab in preparation for testing
  + Rack PDU donation has been processed
  + Potential further extension with concern on conducting the experiment properly
* WS-1744

Co-authors will revise the RTAR and submit for review again before winter conference.

Research Liaison of Section 4 visited the TC and made a few announcements about the research procedures.

* RTAR-1828
  + Chao will revise the RTAR based on the TC 5.2’s comments.
* Shichao: “Assessing thermal comfort and indoor air quality with ceiling fans integrated with mechanical mixing ventilation systems” – discussed and Shicaho will modify the RTAR
* Quantification of multiple GPUs computing for indoor airflows (Jim, Wangda, Leon). RTAR before next society meeting.
* Co-Sponsor RTAR-1868 “Feasibility of Predicting Indoor Formaldehyde, VOC, and CO2 Concentration using Simplified Inputs to Air Quality Models in New Office Buildings” (SSPC 62.1, Author: Lisa Ng, Atila, Gourish, Meng). Similar to RP-1596. TC 2.8 also involved. Xudong Yang is interested. Less than $200k.

9. Handbook (James Lo for Donghyun Rim)

* The Application chapter published, new chapter 59.
* Some discussion about online only content – no interests
* Fundamental chapter will be revised and is due on July 31, 2020.
* Standard 33 revision is required due to
* Discussion on new potential publication: Cost analysis of CFD investment, which might require a research project and guideline might be an outcome. Potential new RTAR next meeting (Chao, Jim)

10. Program (J. VanGilder)

* Three seminars are accepted in Kansas City Conference.
* Four seminars are proposed for Orlando.
* Seminars ideas for Austin and future conferences are discussed.

11. Web site activity (no update)

12. Report of other TCs

13. Honors and awards: No

14. New Business: No

15. Meeting Adjourned at 4:10 pm

1. [↑](#footnote-ref-1)