

**Minutes
TC 9-12 TALL BUILDINGS
Sunday, February 2, 2020
Location: Turkey Lake Meeting Room, Hilton Orlando, Lobby Level,
12:15 PM to 2:00 PM**

1. CALL TO ORDER

Voting Members						
	Name	Position	Company	Roll Off June 30	Present Y/N	YE A
1	Matt Davy	Chair	Arup	2020	Y	
2	Lindsay King	Vice Chair	OPC	2019	N	Y
3	Duncan Phillips	Secretary	RWDI	2022	Y	
4	Stephen Ray		North Park University	2020	N	
5	Dennis Wessel		Retired	2021	Y	
6	Peter Simmonds	Program	Building and Systems Analytics	2021	N	
7	Michael Gallagher	Member	Western Applied Corporation	2019	N	
8	Mehdi Jalayerian	Handbook Chair	Environmental Systems Design, Inc.	2022	Y	
9	Pankaj Dharkar	Non-Quorum	Pankaj Dharkar & Associates	2021	Y	
Corresponding Members						
	Mark Fly		AAON		Y	
	John Carter		CPP Wind Engineers		Y	
	John Klote		Self		Y	
	Scott Peach	Research	SP Engineering		Y	
	Travis Potter	Webmaster & YEA	UT Austin		N	Y
	Nemat Lofti		Energy Facility Eng'ing		Y	
	Bill Webb		Webb Fire Protection Cons.			
Provisional Corresponding Members						
Non-Voting Officers and Members, Guests						
	Vince Payne	SH9	NIST			
	Kaiyu Sun		LBNL			Y
	Jeremy Smith		EEA Consulting			
	Kevin Edstrom		Hines			
	Stephen Petty		EES Group			
	Oumou Sidibe		JCI			Y
	Husam Mohammed		Jacobs			
	Eric Adams	Handbook Liaison	IU-PUI			

Quorum was met – 5 voting members present.

ACTIONS:

- **Program:** Davy to check Simmonds to see if program on new book will be submitted for Austin or Chicago.
- **Program:** Carter to submit program on tall building energy demand.
- **Research:** Peach to check into the status of the R-TAR on the change in conditions with height with the author.
- **Research:** Phillips volunteered to generate and distribute a set of “outcomes” for a potential RTAR on measurement protocols for tall buildings.
- **Research:** Jalayrian to write a set of outcomes for an RTAR on Facades for tall buildings.

2. INTRODUCTIONS

- a. Started at 12:25 – we had a Seminar just prior and let people filter to the meeting room afterwards.
- b. Introductions
 - o King had accidentally dropped off as a member and is back on.
- c. Approve Previous Minutes
 - o Approved with change of 2018 to 2019.

3. CHAIR’S COMMENTS

- o Reminder of ASHRAE code of ethics
- o No section heads in the room
- o Regarding the reorganization of TC’s
 - Business as usual for now.
 - ASHRAE is looking for some ‘voluntary’ merging.
 - Trying to encourage some collaboration between TCs with an open collaboration area.
 - There might be some involuntary consolidation in the near future.
 - Basecamp will become increasingly used.
 - Davey will send an opt in / out invitation.
 - Roster update form is required Tuesday night.
 - Committee will need to submit for changes starting July 1st.
- o Vance Payne – TAC
 - Concurred with Chair’s report
 - Please submit TC activity sheet by Tuesday.

4. LIAISON REPORTS

- o Handbook liaison was present for the meeting.

5. SUBCOMMITTEE REPORTS

- a. Program Chair (not present)
 - o Seminar 14 at this ASHRAE meeting was on stack effect:
 - Just prior to the TC committee meeting
 - Approximately 40 people in the room.
 - o Submission date for Austin is ~Feb 10th.

Jun 2020 Austin

Type	Title	Chair/Speakers
Seminar	Review new tall building book – details TBD.	ACTION: Davy to check Simmonds to see if this will be submitted for Austin or Chicago.
Seminar	Tall Building Energy Demand	Chair = Carter Jaylarian, Simmonds, Phillips

Jan 2021 Chicago

Type	Title	Chair/Speakers
Seminar	Comparison on different HVAC / Ventilation practices in tall buildings with operable windows / vents <ul style="list-style-type: none"> - Code comparison - Operations - Measurements. 	

Jun 2021 Phoenix

Type	Title	Chair/Speakers
Seminar	Challenges of cooling tall buildings in very hot climates.	

b. Handbook (Jalerarian)

- The handbook portal does not permit browsers other than those from Microsoft.
- Next submission cycle is 2023.
 - That ought to start now
- Reviewers are available - Wessel/Fly both offered to be reviewers

c. Research (Peach)

- Took over last meeting.
 - There was a submission of an RTAR on tall buildings for a measurement protocol on stack effect. No word back on that.
 - There has been an RTAR on the changes in climate as a function of elevation. There has been no progress on this (Action: Peach to check into the status with the author).
- **ACTION: Phillips volunteered to generate and distribute a set of “outcomes” for a potential RTAR on measurement protocols for tall buildings.**
- **ACTION: Jalayrian to write a set of outcomes for an RTAR on Facades for tall buildings.**

d. Webmaster (Travis Potter)

- No report.

6. ROSTER CHANGES

a. Key is succession plan and making sure we have a solid membership to hit Quorum.

- Davy is rolling off as Chair, King to roll in. King was not present at this meeting due to travel constraints. Davy to confirm she can take over.
- Ray is rolling off.
- Carter, Fly, Peach will roll on as voting members

7. NEW BUSINESS

- a. Spreadsheet and pptx regarding energy modeling and tall buildings distributed this morning.
 - DOE has generated a set of models for 16 building topologies and multiple climate zones.
 - Same as the models being used by 90.1
 - Being asked to add a tall building to that list.
 - Simmonds provided feedback on this model.
 - The spreadsheet distributed is effectively a map of the information to be implemented into the model.
 - Using resources like CTBUH to identify parameters and building types.
 - Suggested some adjustments in model (e.g. Floor to floor)
 - Office = 13.5
 - Resi = 11.5
 - Retail = 16.0
 - Committee recommended the team watch efficiency on floor plates (core to leasable space)
 - There will be models for different vintages of buildings – 2004 onwards.

8. ADJOURN

- a. Next meeting is in Austin on June 28th.
- b. Motion to Adjourn made and approved.