







































**Minutes**  
**TC 9-12 TALL BUILDINGS**  
**Tuesday, July 21, 2020**  
**Location: Online Virtual Meeting**  
**13:00 PM to 16:00 PM EDT**

**1. CALL TO ORDER**

<b>Voting Members</b>						
	<b>Name</b>	<b>Position</b>	<b>Company</b>	<b>Roll Off June 30</b>	<b>Present Y/N</b>	<b>YEA</b>
1	Matt Davy	Chair	Arup	2020	Y	
2	Lindsay King	Vice Chair	OPC	2019	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	Y	
8	Mehdi Jalayerian	Handbook Chair	Environmental Systems Design, Inc.	2022	Y	
9	Pankaj Dharkar	Non-Quorum	Pankaj Dharkar & Associates	2021	N	
<b>Corresponding Members</b>						
	Mark Fly		AAON		Y	
	John Carter		CPP Wind Engineers		Y	
	John Klote		Self		N	
	Scott Peach	Research	SP Engineering		N	
	Travis Potter	Webmaster & YEA	UT Austin		N	
	Nemat Lofti		Energy Facility Eng'ing		N	
	Bill Webb		Webb Fire Protection Cons.		Y	
	Add people					
<b>Provisional Corresponding Members</b>						
<b>Non-Voting Officers and Members, Guests</b>						
	Vince Payne	SH9	NIST			
	Kaiyu Sun		LBNL			
	Jeremy Smith		EEA Consulting			
	Kevin Edstrom		Hines			
	Stephen Petty		EES Group			
	Oumou Sidibe		JCI			
	Husam Mohammed		Jacobs			
	Eric Adams	Handbook Liaison	IU-PUI			

<b>DP</b>	Duncan Phillips (RWDI) (Me)	 
	Luke Leung	 
<b>MD</b>	Matt Davy	 
<b>MJ</b>	Mehdi Jalayerian	 
<b>AC</b>	Arun Cherian	 
<b>DA</b>	Devin Abellon -PCM	 
<b>D</b>	dwessel	 
<b>E</b>	erwadams@iu.edu	 
<b>FK</b>	Frank Kohout	 
<b>JC</b>	John Carter	 
<b>KC</b>	K. Clawson	 
<b>L</b>	Lindsey	 
	Mark Fly	 
<b>MM</b>	Mark Malkin	 
<b>M</b>	mgallagher	 
<b>PD</b>	Peter DeMercurio, Elementa Engineering D...	 
<b>RH</b>	Rick Heiden	 
<b>WW</b>	William Webb	 

#### **ACTIONS:**

- **Program:** Davy to check Simmonds to see if program on new book will be submitted for Chicago.
- **Program:** Wessel to submit program on Present and Future Challenges in Ventilation Unique to Tall Buildings Arising from Epidemics, Health Issues and Climate Change.
- **Research:** Peach to check into the status of the R-TAR on the change in conditions with height with the author.
- **Research:** Phillips to generate and distribute a set of “outcomes” for a potential RTAR on measurement protocols for tall buildings.
- **Research:** Jalayerian to write a set of outcomes for an RTAR on Facades for tall buildings.
- **Research:** Phillips to email Roth about potential for climate conditions at upper elevations.

## **2. INTRODUCTIONS**

- a. Started at 13:05
- b. Five voting members present – quorum achieved.
  - One person arrived shortly after giving us 6 total.
- c. Introductions
- d. Approve Previous Minutes
  - Dennis / Mehdi – approved unanimous, no comments.

## **3. CHAIR’S COMMENTS**

- There has been a problem with the roster update from Orlando.
  - **ACTION: Duncan / Lindsay / Matt to discuss.**
- Reminder of ASHRAE code of ethics
- Section head not present.
- Regarding the reorganization of TC’s
  - Some TCs did decide to merge. There were votes at eight TCs to merge into four (e.g. 3.2 & 3.3.)
- New MTG.CYB – cyber security for HVAC and related infrastructure.

## **4. LIAISON REPORTS**

- Handbook liaison (Eric Adams) present.
  - There was a discussion about handbook.
  - Now is the time to determine whether we need a new chair and what changes we want to make.
    - Dennis was chair and Mehdi has taken over which becomes effective at the end of the month.
    - Mehdi has been scanning the existing document and will have some thoughts on what could be changed at the next meeting.
- Section Head not present.
- TAC not present.

## **5. SUBCOMMITTEE REPORTS**

- a. Program Chair (Simmonds)
  - Program Chair not present – he is retiring.
  - Discussion on the virtual session at this conference. Jaylarian & Simmonds presented; Phillips had to bow out because of the change in deadlines.

- Submission date for Chicago is ~August 3<sup>rd</sup>.
- Discussion of TC 4.03's programme. Agreed to co-sponsor.
- TC 9.1 (large building systems) has a session planned for Chicago. Design challenges in multi-family high rise buildings. They might need a third speaker. Phillips volunteered.
  - **ACTION: Wessel has reached out to them to see if they need an additional speaker.**
- A Seminar on the Challenges Commissioning Tall Buildings was proposed by Kohout.
  - **ACTION: He will chase the Commissioning TC to see about co-sponsoring.**
- Kohout volunteered to take over the program chair role.

Jan 2021 Chicago

Type	Title	Chair/Speakers
Seminar	Present and Future Challenges in Ventilation Unique to Tall Buildings Arising from Epidemics, Health Issues and Climate Change	Speakers = Phillips, Jaylarian, Leung Chair = Wessel.
Seminar	Review new tall building book – details TBD.	<b><u>ACTION: Davy to check Simmonds to see if this will be submitted for Austin or Chicago.</u></b>

Jun 2021 Phoenix

Type	Title	Chair/Speakers
Seminar	Challenges of cooling tall buildings in very hot climates.	
Seminar	Natural Ventilation in Tall Buildings	
Seminar	Challenges Commissioning Tall Buildings	

Jan 2022 Las Vegas

Type	Title	Chair/Speakers
Seminar		

Jun 2022 Toronto

Type	Title	Chair/Speakers
Seminar		

b. Handbook (Jalerarian)

- Comment that there is no need for a program on the handbook at this time.
- See above under the Liaison report
- Wessel/ Fly still willing to review.

c. Research (Peach)

- Sub-committee chair not present.
- Past actions not complete.
- **ACTION: Phillips volunteered to generate and distribute a set of “outcomes” for a potential RTAR on measurement protocols for tall buildings.**
- **ACTION: Jalayerian to write a set of outcomes for an RTAR on Facades for tall buildings.**
  - Discussion on multiple aspects of facades – leakage, flammability.
- There has been an RTAR on the changes in climate as a function of elevation. This needs to be coordinated with TC4.2.

- **ACTION: Phillips to email Roth about potential for climate conditions at upper elevations. Copy Jalayerian / Leung.**

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.
  - Need a secretary. Rick Heiden volunteered.
  - Carter, Fly, Peach will roll on as voting members.
  - Ray is rolling off.
- b. Need to find a new webmaster.
- c. Add Devon Abellon as p-corresponding member.

## **7. NEW BUSINESS**

- a. None.

## **8. ADJOURN**

- a. Next meeting is in Chicago in January.
- b. Motion to Adjourn made and approved.