



1791 Tullie Circle, N.E. / Atlanta, GA 30329
404-636-8400

TC/TG/TRG MEETING MINUTES

TC/TG/TRG NO. (TITLE): TC 5.9 Enclosed Vehicular Facilities
DATE/TIME OF MEETINGS: January 23, 2024 3:30 - 5:30 PM
LOCATION: Chicago, IL
Hybrid Conference

- ❖ The Chair, Matt Davy, called the meeting to order at 3:30 pm.
- ❖ There were 6 of 7 voting members present, which met requirements for a quorum.
See attendee list attached to minutes.
- ❖ Chairman's Remarks – Matt Davy
 - ❖ Provided a reminder of the ASHRAE Code of Ethics.
 - ❖ Attended Chair meeting on Sunday morning.
- ❖ Approval of minutes from Atlanta, Toronto, and Tampa – approved; fix minutes from Tampa, which say Atlanta
- ❖ Subcommittee Reports
 - ❖ Programs Subcommittee (Yoon Ko) – see report attached to minutes.
 - ❖ No programs sponsored by TC5.9
 - ❖ Annual in Indy -- 2/26 due date for seminars...; extended abstracts (3-pages) due 3/15; check website
 - ❖ Tracks? Electrification?
 - ❖ Underground parking garages and electric vehicle hazards -- Michael,
 - ❖ High-speed rail and pressure issues -- David, workshop + 2 presenters (Sean, Andrew)
 - ❖ Train car ventilation
 - ❖ New topic ideas?
 - ❖ Egress corridor pressurization systems in road tunnels -- David
 - ❖ TC5.6 research around EV battery fires -- co-sponsor w/ TC5.6 program? Matt
 - NRC has published a regulation review; Series of tests conducted
 - Sweden -- water mist system
 - PIARC has some information? (Conor Fleming)
 - ❖ Section 5 Head (Kevin Marple) --
 - ❖ Provisional Corresponding Members need to communicate with Chair to move over to Corresponding Member; FG Activity Form due tonight; Question: local chapter meeting attendance? TAC is trying to get more grass-roots involvement in ASHRAE. Local chapters are typically looking for programs.
 - ❖ Research Subcommittee (David Hahm)
 - ❖ Virtual breakfast meetings?
 - ❖ Next submission date is 3/15; need to aim for May?
 - ❖ Grants and Awards
 - ❖ PTAR (pubs) -- funds to support publications; review ASHRAE Strategic Research Plan
 - ❖ Reviewed TC5.9 Research Topics
 - ❖ Phase 2 for FHWA -- Is it a go for funding? WS/RTAR process for co-sponsor

- ❖ Handbook Subcommittee (Andrew Louie) – no update
 - ❖ Couple of major topics to be included -- critical velocity
 - ❖ Reach out Andrew if you're interested -- David and David to help; Igor
- ❖ Standards Subcommittee (Yuan Li) – no update
- ❖ Webmaster (Simona Georgiev) – no update
- ❖ New Business and Comments
 - Membership/Roster updates
 - a. Vice Chair -- Sean Cassady
 - b. Secretary -- David Hahm
 - c. Website -- Fraser Campbell
 - d. Membership -- David Newman
 - e. Program -- Yoon Ko
 - f. Research -- David Hahm
 - g. Handbook -- Andrew Louie
- ❖ Next Meeting scheduled for Indianapolis, IN – Tuesday June 25, 2024
- ❖ Adjournment at 5:05pm
- ❖ Submitted by Matt Davy, Chair – TC 5.9

TC5.9 PROGRAM SUB-COMMITTEE REPORT

Prepared by Yoon Ko

Chicago Winter 2023

1. Programs for the current Chicago meeting Programs:

No program sponsored by TC 5.9

No program of interest to 5.9 embers:

2. Future conferences

	Conference paper abstract due	Seminar, Forum proposal due	Extended Abstract Paper Due
Indianapolis, IN, June 22-26, 2024	Wednesday, November 29, 2023	Monday, February 26, 2024	Friday, March 15, 2024
Orlando, FL, Feb. 8-12, 2025			
Phoenix, June 21-25, 2025			
Las Vegas, NV, Jan. 31-Feb. 4, 2026			
Austin, TX, June 27-July 1, 2026			

Debate - 1 moderator, 60-90 min, 3-4 panelist, in individual presentations

Forum - 1 moderator, 60 minutes, no presentations

Panel -1 moderator, 60-90 minutes, 3-6 participants, no individual presentations

Seminar -2-3 speakers for 60 min or 3-5 speakers for 90 min

Workshop - One chair and two presenters (maximum), 60 min long including 30 min presentation and 30 min discussion

● **ASHRAE Indianapolis, IN, June 22-26, 2024**

[2024 Annual Conference Technical Program | ashrae.org](https://www.ashrae.org/2024-Annual-Conference-Technical-Program)

Track 1: Fundamentals and Applications

Track 2: HVAC&R Systems and Equipment

Track 3: Research Summit

Track 4: Professional Development

Track 5: Electrification: Possibilities and Pitfalls

Track 6: Artificial Intelligence and the Built Environment

Track 7: Building Life Cycle Assessment

Track 8: Legislation, Standards, Codes and Guidelines

3. TC 5.9 Program topics

☐ Old topic ideas revisited:

○ Seminar: Underground Parking Garage issues + EV hazards (suggested by TJ Lyle on Jun. 2021,

2023-TJ , David, Leong, Yoon

Michael Feuser

suggested it could be put together with a proposal for Summer 2024.

Updated on 2024-06-20

- High speed rail and pressure issues + introducing/promoting the new standard (suggested by David, 2021)

2023-David suggested 'Review over the status_new standard'

- Train car ventilation concerning harmful agents/bacteria or virus (suggested by Andrew , 2021)

☐ **FYI, on-line submission link for Indianapolis meeting**

<https://ashraem.confex.com/ashraem/s24/cfp.cgi>

☐ **Other topics, please contact Yoon Ko <yoon.ko@nrc-cnrc.gc.ca>**

NAME	Affiliation	Membership	YEA	INT'L
Valentina Hedden	Hortland	CM		val@naila.com

Jacob Carr	AWV	Provisional Member		
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Clinton Russell	AWV	Guest		
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George Hadjisophodeous		Guest	george.hadjisophodeous@carleton.ca	
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DAVID NEWMAN	MOTT MAC	MEMBER	DAVID.NEWMAN@MOTTMAC.COM	
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Jane Miller	Clarege	Member	j.miller@clarege.com	
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Conor Brennan	COAST	Guest	Conor.Brennan@coast.ca	
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Michael Feuser	Woods	VOTING	Michael.Feuser@ca	
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TJ Lyle	Greenheck	Voting	TJ.lyle@greenheck.com	FLAT Group.com
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ID	Name2	Affiliation	Email2	Member	Member Category	YEA Member?	International Member?
1	Duncan Phye	Verdantas Labs	Dphyfe@verdantas.com	Yes	Corresponding	No	No
2	Andrew Louie	WSP	andrew.louie@wsp.com	Yes	Voting	No	No
3	James Carlin	Pottorff	jcarlin@pottorff.com	Yes	Corresponding	No	No
4	Eric Li	RWDI	Eric.li@RWDI.com	Yes	Provisional	No	No
5	Dimitry Kogan	Port Authority of NY & N	dkogan@panynj.gov	Yes	Voting	No	No
6	Sean Cassady	HNTB Corp	Scassady@hntb.com	Yes	Voting	No	No
7	David Hahm	Mott MacDonald	david.hahm@mottmac.c	Yes	Non-Voting	No	No
8	Yuan Li	Jacobs	yuan.li@jacobs.com	Yes	Corresponding	No	No
9	Bill Lampkin	Greenheck Fan Corp - In	bill.lampkin@greenheck	Yes	Corresponding	No	No
10	Igor Maevski	Jacobs	igor.maevski@jacobs.co	Yes	Corresponding	No	No
11	Vincent Tang	RWDI	vincent.tang@rwdi.com	Yes	Provisional	No	No
12	Dianthé van Weerden	RWDI Consulting Engineer	dianthe.vanweerden@r	Yes	Guest	Yes	No
13	Dean Geraci	ProMation Engineering	dean.geraci@promotion	Yes	Corresponding	No	No
14	Yoon Ko	National Research Council	yoan.ko@nrc-cnrc.gc.ca	Yes	Non-Voting	No	No
15	Matt Davy	Arup	matt.davy@arup.com	Yes	Voting	No	No
16	Robert Fowler	Dresser RCS Actuators	robert.fowler@dresserui	No	Guest	No	No