

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING
ENGINEERS, INC.**

1791 Tullie Circle, N.E./Atlanta, GA 30329

404-636-8400

DRAFT

TC/TG/MTG/TRG MINUTES COVER SHEET

(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/MTG/TRG No. TC 5.9 DATE June 26, 2018

TC/TG/MTG/TRG TITLE Enclosed Vehicular Facilities
DATE OF MEETING June 26, 2018 LOCATION Houston, TX

VOTING MEMBERS PRESENT	YEAR APPT'D - TERM ENDING	VOTING MEMBERS ABSENT	YEAR APPT'D - TERM ENDING	EX-OFFICIO MEMBERS AND ADDITIONAL GUEST ATTENDANCE (CM) (G)
Kevin Chang Jane Miller Asesh Raychaudhuri Troy Goldschmidt Yuan Li Andrew Louie	2015-2018 2014-2018 2015-2019 2016-2020 2016-2020 2014-2018	John Murphy David Newman Nader Shahcheraghi	2014-2018 2015-2019 2014-2018	Michael Feuser Igor Maevski Yoon Ko Mina Samini Duncan Phyfe Richard Yargus Matthew Davey Joe Davis Kevin Gildea Bill Lampkin Richard Yarges Jennifer Jones

DISTRIBUTION

All Members of TC/TG/MTG/TRG plus the following:

TAC Section Head:	Larry Smith
TAC Chair:	Kelley Cramm
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters:	Harris Sheinman, Arsen Helikov, Somasundaram Natarajan, Dennis Loveday, Dr Arsen Melikov
Manager Of Standards Manager Of Research & Technical Services	Stephanie Reiniche Mike Vaughn

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
Technical Committee TC 5.9 – Enclosed Vehicular Facilities
Meeting Minutes – 26 June 2018 - Houston, TX

Kevin Chang called the meeting to order at 3:30 pm.

There were 6 of 9 voting members present. The voting member attendance met requirements for a quorum.

Chair Comments by Kevin Chang.

Section 5 - report presented by Larry Smith. *(Activity Report due June 26, 2018)*

Subcommittee reports

Program Sub-Committee Report: (Yoon Ko)

No programs presented in Houston.

Atlanta – January 2019 - Seminar, Forum, Debate or Workshop proposals due August 3

Kansas City – June 2019 – Conference papers abstracts due August 21

Yoon will help preparation – please contact with any questions.

Troy Goldschmidt planning a paper for Orlando (January 2020)

TC 5.1 asked to co-sponsor Seminar on research projects for Kansas City/June 2019 and Forum on belt drive efficiency for Atlanta/January 2019. Approved.

Future Program Topics

Can Wireless Control Improve Ventilation Performance (Champion: Steve Presser)

Air Cleaning for Tunnels (Champion: Igor Maevski)

Extreme Events Ventilation Requirements (Champion: Greg Sanchez)

Best Practices for Enclosed Vehicular Facilities (Champion: Tom O'Dwyer)

Tunnel Ventilation Velocity Profile on Egress Calculations (Champion: Ahmed Kashef)

Matrix Development to Achieve LEED Certification in Station Design (Champion: Mohammad Tabarra)

Platform Screen Doors (Champion: Greg Sanchez)

Natural Ventilation Applications in Enclosed Vehicular Facilities (Champion: Mark Colino)

BIM in Tunnel Ventilation Design (Champion: Igor Maevski)

Parking Garage Ventilation (Champion: Troy Goldschmidt)

Special Ventilation Issues in High-Speed Rail Tunnels (Champion: Ian Ong)

Boundary Conditions for Tunnel Ventilation Modeling (Champion: Tom O'Dwyer)

Ventilation Design for Road Tunnels Based on Risk Analyses (Champion: Ahmed Kashef)

Perspectives on Design-Build Projects (Champion: Mark Colino)

Standards Sub-Committee Report: (Yuan Li)

Committee for SPC 217 met today from 7:30 am to noon. This committee is developing a new standard "Non-Emergency Ventilation in Enclosed Road, Rail and Mass Transit Facilities".

- *Completed 1st draft of all chapters as of this morning's meeting!*
- *Full review of all chapters planned for January meeting in Atlanta*

Handbook Sub-Committee Report: (Andrew Louie)

Handbook has been reviewed, and is now ready for final review and vote by TC 5.9 members.

- New section added on Parking Garage ventilation

VOTE motion Troy Goldschmidt 2nd Jane Miller
Voting members 6 in favor 0 against 0 absention

Research Sub-Committee Report (Kevin Cheng for Ahmed Kashef)
One active work statement - 1690 (fixed fire suppression)

Web Site: (David Newman) no report

Section 5 - report presented by Larry Smith. (*Activity Report due June 26, 2018*)

Liaison reports

TC 5.1 Ashesh

Seminar Monday, 'Selection and Application Considerations of Fans used in Variable Air Volume Systems' was well attended.

TC 5.6 Research ATAR for atrium looking to move forward

NFPA 130 (Andrew Louie) Next week schedule October in Phoenix

NFPA 502 (Igor Maevski) 1st meeting on public comments in October; please advise Igor of any comments

NFPA 88A (Troy Goldschmidt) nothing new; starting new cycle

PIARC - no report

APTA - no report

Mining (Jane Miller) North American Mine Ventilation Symposium next in Montreal May 2019; this event is held every 2 years and is dedicated to mine ventilation

NFPA 88A (Troy Goldschmidt) nothing new; starting new cycle

New business

- This is Kevin Chang's last meeting as Chair for TC 5.9. Thanks Kevin for a great job of leading our TC!
- Jane Miller will be incoming Chair for next meeting in January, with David Newman as Vice-Chair and Matthew Davy as Secretary
- Voting Members are also changing as of 6/30/18
 - Voting member rolling off 6/30/18:
 - o Andrew Louie, John Murphy, Kevin Chang, Nader Shahcheraghi
 - Voting members starting 7/1/18:
 - o Duncan Phyfe, James McCarron, Matthew Davey, Yoon Ko

Adjournment Kevin Chang adjourned the meeting at 4:30pm.

Next meeting scheduled for Atlanta – Tuesday January 15, 2019.

Submitted by Jane Miller, Vice Chair – TC 5.9