



Agenda - ASHRAE MEETING – Summer 2023
TC 2.3 - Gaseous Air Contaminants/Removal Equipment
TC Meeting

Time: 1:00 PM – 3:30 PM EST

Date: Tuesday, June 27

Location: Tampa Marriott Waterside, Grand Salon AB (2)

Link: <https://events.rdmobile.com/Sessions/Details/1780419>

Basecamp: <https://www.ashrae.org/technical-resources/technical-committees/tc-training-and-presentations>

TC 2.3 website link: <https://tc0203.ashraetcs.org/>

1. Call to order

Name	Present?
Kyung-Ju Choi, PhD	
Matt Middlebrooks	
Michael Curtis Flom	
Vivekanand Gaur	
Ashish Mathur	
Jianshun S Zhang, PhD	
Robert B Burkhead	
Michael D Corbat	
David A Schaaf, Jr	
Marwa Zaatari	
Victoria Leigh Binz	
Henry Greist	
Chrystal Jolliffe	
Kathleen Owen	
Scott Parris	

2. ASHRAE Code of Ethics

The ASHRAE Code of Ethics is to be adhered to by those doing ASHRAE business whether or not they are an ASHRAE member. The Code of Ethics can be reviewed at the below link.

<https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

- **Code of Ethics Commitment**

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness, and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism, and diversity, and we shall avoid all real or perceived conflicts of interests.

- **Diversity Commitment**



ASHRAE is committed to providing a welcoming environment. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We proactively pursue and celebrate diverse and inclusive communities understanding that doing so fuels better, more creative, and more thoughtful ideas, solutions, and strategies for the Society and for the communities our Society serves. We respect and welcome all people regardless of age, gender, ethnicity, physical appearance, thought styles, religion, nationality, socio-economic status, belief systems, sexual orientation, or education.

3. Ask virtual members and guests to use the chat feature to enter their Name, Affiliation, Email Address, and YEA designation (if applicable) and international status (outside of US and Canada?) for meeting attendance records. Establish Quorum.

ASHRAE has an international Standards Interaction Task Force to increase ASHRAE outreach to international standards organization. International members of FGs could help support this outreach.

4. Chair's Report

Update from TC breakfast training

5. John Cohen report

6. Review and Approval of previous meeting minutes

TC 2.3 website link: <https://tc0203.ashraetcs.org/>

7. Items to be Voted on.

- a. WS-1928: WS was revised to use particulates as the challenge contaminant. Approved by RAC Winter 2023 Meeting
- o Others?

8. Get an update on:

- ii. RP-1579 review as part of 62.1 to see recommendations to change the Standard.
 - a. Chris M. is submitting a change proposal to 62.2 to require air cleaning in any outdoor area that does not meet national standards for ozone. Will sync up with Standard 189.

- iii. Summary of Existing and Proposed Test Methods

Title	Surface or Air	Target Pollutant	Test setup	Single pass versus multiple pass	Technology	Status
145.2	Air	Gases	Duct	Single pass	Sorbent-Being updated to apply to EACs.	Established Standard
AHAM AC-5	Air	bioaerosols	Chamber	draw down	electric room air cleaners	Published



185.3	Air	Microorganisms	Chamber	draw down	Commercial In-room devices	
145.4	Air	Gases + byproducts	Chamber+ Duct	recirculation	All air cleaners- in duct and in room	
185.5	Air	particles and bioaerosols/ microorganisms	Chamber+ Duct	recirculation	All air cleaners- in duct and in room	
Proposed Research Project						
WS-1928	Air	bioaerosols/ microorganisms	Chamber+ Duct	recirculation	All air cleaners- in room only	New votes in progress, (cleared TC2.9 ?)

9. Subcommittee Reports

- i. Research - Subcommittee Chair – Paula Levasseur (attended training)
 - a. 1869 should have gone out for bid and received proposals.
- ii. Handbook - Subcommittee Chair -- Brian Krafthefer/Michael Sherber; (went to training)
- iii. Membership - Subcommittee Chair -- Matt Middlebrooks (no training)
 - a. Strong committee membership
 - (2) Voting members rolling off after June 30th: Matt and KJ
 - Rotating on (3) members after June 30th: Kevin (chair), Paula, and Mengjia
 - b. 34 YEA members
- iv. Planning - Subcommittee Chair – Kevin Kwong
- v. Program - Subcommittee Chair -- KJ Choi
- vi. Standards - Subcommittee Chair – Michael Sherber

10. Other Updates

- i. ASHRAE Learning Institute – Marilyn Listvan
- ii. Publications - Subcommittee Chair -- Marilyn Listvan
- iii. Website - Subcommittee Chair -- Caitlin Naske



iv. SSPC145 – Committee Chair – Tony Abate

11. Review of Action Items from Last Meeting

#	Action Item	Owner	Meeting Initiated	Update	Status
1	Workshop on performance rating system summary to be sent out.	Ashish Mathur	Atlanta	Held during Atlanta. 20 attendees. Ashish will review ISO 10121-3. Will bring it up at the next SSPC 145 meeting. ISO 10121-3 rating, associated with 10121-2. Chris M. will send a copy to TC leadership.	Complete
2	Collection of TC member bibliography papers for website posting	Marilyn Listvan	Atlanta		In progress
3	Development of a course on gas phase filtration to be part of ASHRAE supported classes and send to chapters	Paula Levasseur	Atlanta	Matt sent slide deck to Marilyn. Paula requests that Kathleen send her the intro for the TC 2.3 chapter presentation. Paula will send to Marilyn and Matt, targeting the end of March.	In progress
4	Title/purpose /Scope for MTG or GPC on how to implement combined filtration systems	Brian Krafthefer	Houston	We will discuss the TPS document. Ashish recommends writing a guideline.	In progress
6	ASHRAE Certification Program	Marilyn Listvan		No action; ASHRAE may drop this program. Mike Corbat – ASHRAE is lacking on number of members with certification.	In progress

12. Report from TC liaisons

Henry Greist– TC 2.9

Nick Agopian – 62.2

Kathleen Owen - TG2.RAST (Michael Sherber)



Nick Agopian – TC 5.5

Nick Agopian – TRG-IAQP

Marwa Zaatari - 62.1

Jensen Zhang – EHC

Brian Krafthefer – TC 4.10

Tony Abate – TC 4.3

John Rajala – TC 2.4

Kevin Kwong – U.S. TAG to ISO/TC 142, AHAM (AC-4, gaseous CADR chamber test) and IEC (CADR-like chamber test for gaseous pollutants)

Paula Levasseur – TC 9.1

Brian Krafthefer – TC 2.1

Marilyn- 9.7

13. New Business

14. Adjourn