

TC2.9 ULTRAVIOLET AIR AND SURFACE TREATMENT

MEETING AGENDA

2021 Virtual Annual Meeting

Wednesday, June 16th, 2021, 10:00 AM to 12:00 PM EST, Virtual Meeting

TC2.9 Scope – TC2.9 is concerned with all aspects of equipment and systems that utilize ultraviolet radiation to destroy or deactivate chemical and/or biological air and surface contaminants in HVAC systems and indoor spaces, including, but not limited to, effectiveness, safety, maintenance, and economics.

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Welcome / ASHRAE Code of Ethics /Attendance

5 minutes

- “Commitment to the ASHRAE Code of Ethics – In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity, and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)”
- Update your ASHRAE bio information at the [ASHRAE](https://www.ashrae.org) website
- Use Zoom Chat and type your Name, Affiliation, E-mail, Member Status (Voting, Corresponding, Guest,) and YEA if you are a Young Engineer in ASHRAE, ≤35 years old

Name	Affiliation	TC Position	Voting Status	Appointed	End Year
Aaron Engel	Fresh-Aire UV	Program SC Chair	VM	7/1/2020	6/30/2022
Jaak Geboers	Signify Lighting BV	Standards SC Chair	NVM		
Sam Guzman	American Ultraviolet	Secretary	VM	7/1/2020	6/30/2022
Henry Greist	Lennox Industries	Chair	VM	7/1/2020	6/30/2022
Brian Hafendorfer	Gray Architects and Engineers		VM	7/1/2018	6/30/2021
Richard Vincent	Mount Sinai Hospital	Research SC Chair	VM	7/1/2020	
Ashish Mathur	UVDI	Vice Chair	VM	7/1/2018	6/30/2021
Stephen Martin	CDC/NIOSH	Membership SC Chair	NVM		
Kathleen Owen	Owen Air Filtration Consulting		VM	7/1/2018	6/30/2022
Dean Saputa	UV Resources	Handbook SC Chair	NVM		

Roll Call of Voting Members; Quorum Check 1 minute

Review Agenda 1 minute

Review/Approve Minutes from 2021 Virtual Winter Meeting 1 minutes

ASHRAE Staff and Liaison Reports 2 minutes

Dustin Meredith, *TAC Chair*, Jon Cohen, *Section Head*, William Hutzel, *Research Liaison*, Theresa Weston, *Standard Liaison*, Steven Hammerling, *Staff Liaison*

Summary of Votes Between Meetings:

Date	Topic	Motion	Vote					
			F	Ag	Ab	NV	CV	
2/24/21	<i>Method of testing in-room devices and systems for microorganism removal or inactivation in a chamber.</i>	Approve Title, Purpose & Scope (TPS)	7	0	0	0	Y	PASS
4/7/21	<i>Improving test methods to measure air cleaner performance against airborne pathogens</i>	Approve RTAR	7	0	0	0	Y	PASS

Review Virtual TC Chair Breakfast (6/2/21) 5 minutes

SUBCOMMITTEE REPORTS

Research Subcommittee, Richard Vincent, SC Chair 10 minutes
Update on activities from TC Research Meeting

Vote for co-sponsorship of TC2.3 RTAR, “Effects of increased use of surface disinfectants and hand sanitizers on indoor air quality”

Project Committees

GPC-37-Upper Room UVC; Richard Vincent, SC Chair 5 minutes
Vote to approve GPC-37....

SPC-185; Methods of test to Inactivate Microorganisms, Steve Martin, Chair 5 minutes

Standards Subcommittee, Jaak Geboers, SC Chair 5 minutes

Program Subcommittee, Aaron Engel, SC Chair 10 minutes
Status of current and future programs

Handbook Subcommittee, Dean Saputa, SC Chair 5 minutes
Status of Handbook developments

Membership Subcommittee, Stephen Martin, SC. Chair 5 minutes
TC roster summary, membership updates and corrections

TC Website Report, Bob Coleman, Webmaster 2 minutes

Reports from TC Liaisons 10 minutes

SSPC 62.1, *Ventilation for Acceptable Indoor Air Quality*, Brian Hafendorfer

SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*, Henry Greist

SSPC 145, *Test Method for Assessing the Performance of Gas-Phase Air Cleaning Equipment*, Matt Middlebrooks

SSPC 161, *Air Quality Within Commercial Aircraft*, Aaron Engel

TC2.3, *Gaseous Air Contaminants and Gas Contaminant Removal Equipment*, Matt Middlebrooks

TC2.4, *Particulate Air Contaminants and Particulate Contaminant Removal Equipment*, Kathleen Owen

TC 9.6, *Healthcare Facilities*, Katja Auer

UL-1995 / UL 60335-2-40, Brian Rodgers 5 minutes

- UL 60335-2-40 update
- UL 1598 for Luminaires, Annex L update

US TAG for ISO/TC 142, Dean Saputa 5 minutes

ISO 15727:2020, UV-C devices — Measurement of the output of a UV-C lamp

IUVA/ASHRAE Collaboration, Ashish Mathur and Sam Guzman, Liaisons 10 minutes

Review future work outlined in MOU

Old Business 5 minutes

New Business / Action Items

UL8802 Proposal Review, Michael O'Boyle, Signify 10 minutes

Title, Purpose, Scope: *Method of Testing In-Room Ultraviolet Devices and Systems for Microbial Inactivation on Surfaces in a Test Room.* 10 minutes

Adjourn