

Draft Agenda
TC 2.3 - Gaseous Contaminants/Removal Equipment
Research Subcommittee Meeting
Houston Sunday 5:00-7:00 pm

1. Meeting call to order
2. Introductions and Sign-In – 5 min
3. Review of Minutes from Chicago – 5 min
 - A. Minutes available at <https://tc0203.ashraetcs.org/documents.php>
4. RAC Report (Liaison TC 2.3 – Pawel W) – 5 min
5. Active Projects – none
6. Work statements, RTARs, and RPs – Updates – 20 min
 - A. **1720-TRP Validation of gas-phase air-cleaner performance test method (Standard 145.2) by laboratory testing of commercially available filtration devices** – Kartik Potukuchi PES: Paula Levasseur, Chris Muller, Gemma Kerr.
 - B. **1579-TRP Testing and Evaluation of Ozone Filters for Improving IAQ**— Sanjeev Hingorani, Kevin Kwong Matt Middlebrooks Nick Agopian, Thad Ptak are on the PES.
 - C. **1755-RP, Impact of Gaseous Contamination and High Humidity on the Reliable Operation of Information Technology Equipment in Data Centers**”. TC9.9 on-going project, TC 2.3 co-sponsor, Chris Muller on PES.
 - D. **1780-WS, Test Method to Evaluate Cross-contamination of Gaseous Contaminant within Total Energy Recovery Devices**; Responsible Committee: TC 9.10 (Laboratory Systems); Co-Sponsors: TC 2.3. Chris Muller, Nick and Gemma.
 - E. **1838-WS Testing of Electronic Air Cleaners** – w/145 & 62.1 – Kevin Kwong, Chang-Seo Lee, Jeff Roseberry, Kartik Potukuchi, Tony Abate, and Tandeep Chadha
 - F. **Xxx-RTAR** –Outdoor ozone in naturally vented buildings. cosponsored from 62.1, Charlene on PMS. 62.1 will take their vote on this RTAR in Chicago, then submit.
 - G. **1846-RTAR** Real Time Small sensors: Brian K., Marilyn Listvan, Fuoad Parvin, Lu Lui, Thad Ptak, Jeff Roseberry, Dave Space, Sanjeev H., Jensen Zhang.
 - I. Submitted, rejected, Brian decided to drop it.
 - H. **Xxx-RTAR** sVOCs including how SVOC emissions change with temperature - Sanjeev*, Jianshun Zhang, Kevin Kwong, Ying Xu
 - I. 62.2 will vote on this one in Houston
 - II. 2.3 vote?
 - I.
7. Proposed RTARS and other work: status updates 60 min
 - A. Consumer Product used by Occupants, Related Pollution Loads - Chang-Seo Lee*, Thad Ptak, Marilyn Listvan
 - I. Looking for TRG4 cosponsorship
 - B. Bipolar Ionization/Reactive Air Cleaner performance test method for VOC etc. removal and testing a variety of commercially-available ionization devices. Tony Abate champion, Scott Sherwood, Jensen, Dean Tompkins, Charlie Waddell, Chang-Seo, Marilyn Listvan, Ashish.
 - C. The effects of filtration on health. Dean Tompkins, Nick Agopian, Lexuan Zhong with EHC interest.

- I. Dean is writing a draft for a lit search.
- D. Multi-contaminant challenge what acceptable VOC levels-on hold
 - I. Ashish, Jensen, and Gemma wanted this idea left on the list
 - II. Ask at the summer Houston meeting for a champion
- E. The role of gas filtration improving IAQ in Residences – Jensen, Nick, Lexuan Zhong and Kathleen.
 - I. Jensen will review the modeling framework coming out of IEA-EBC Annex 68 and report at the Houston meeting.
- F. Demand-based air-cleaner operation to save energy. Brian Krafthefer, Jensen Zhang, Kyle Kisebach, someone from GPC 35 – Brian will work on this after the RTAR on Sensors.
- G. 3D Printing Topic: needs champion (Paula, Gemma, Marwa, and Dan)
 - I. Brent Stephens has done some work on this subject.
 - II. Paula will ask Brent Stephens for his interest in advancing this topic.
- H. Effect of particles on loading on gas filters. with possible interest in looking at other combinations of technologies in the same air cleaner (probably a separate project) 2.4 / 2.3/ 2.9 (Matt Brian Paula)
- I. Marijuana – effect on air quality in homes cars etc., Kazukiyo Kumagai (noted that marijuana is still illegal US-wide)
 - I. Mike Vaughn is working to get an answer from ASHRAE as to whether they would consider a topic on marijuana.
- J. E-cigarette - effect on air quality in homes cars etc. Kazukiyo Kumagai & Shamia Hoque
 - I. Shamia is working on 1st draft.
 - II. EHC (Wei) interested, will circulate draft to look for WG interest
- K. Richard Fox URP plan for VOC and CO2 monitoring – Richard was to send Kathleen information about an idea for VOC and CO2 monitoring and effects at altitude that may result in a URP.
 - I. Matt will review the Unsolicited Research Project that would be conducted in the Netherlands (Schiphol Airport) and bring this up at the main TC 2.3 meeting.
- 8. New ideas 23 min
- 9. Gas-phase dinner plans 2 min
- 10. Meeting adjournment