

**TC 2.5 Global Climate Change - Main Committee Meeting Agenda**  
**June 26, 2023, 1:30-3:30 pm Eastern Time**  
**JW Marriot Tampa, Armenia (3)**  
<https://events.rdmobile.com/Sessions/Details/1780431>

**Scope of 2.5**

TC 2.5 is concerned with the impact that activities of the HVAC&R industry may have on the global environment, including climate change and stratospheric ozone depletion. This TC enhances ASHRAE member awareness of these impacts and coordinates activities and planning for the Society to address these issues. This includes identifying factors within the scope of the HVAC&R industry, which may impact favorably and unfavorably, the global environment and the role that ASHRAE serves.

**1.. Call to Order (Scott Sherwood)**

- a. Introduction of members and guests; In-Room & Virtual.
- b. ASHRAE Code of Ethics Commitment:  
“In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness 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>.)
- c. ASHRAE Commitment to Care.
- d. Establish quorum of voting members. (Scott Sherwood 6/2024, Janice Means 6/2024, Elizabeth Jedrlinic 6/2023, Enrica Galasso 6/2026, Daniel Villa 6/2026, Renee Clair 6/20240, Matt Clark 6/2026, Don Brundage 6/2023). Don Rendall (??).  
NOTE: 8-9 voting members, require 50%+1 or 4-5 Voting Members for quorum.
- e. Review Agenda; update, and/or accept agenda.
- f. Approvals:
- i. Meeting Minutes – February 2023 Winter Meeting - Atlanta (attached)

**2. Chair’s Announcements (Scott Sherwood)**

- a. Report of TC/TG Chair’s Meeting  
Sunday 7:00-9:00AM  
JW Marriott Tampa, H.B, Plant Ballroom (2)  
<https://events.rdmobile.com/Sessions/Details/1780566>
- b. Review of previous action items – ASHRAE Position Document (PD) on Climate Change.  
Approved June 27, 2018, Reaffirmed June 23, 2021 (Expires – 12/23/23)  
Choice is to formally recommend retirement, revision, reaffirmation. The “NEW” format is required as a minimum. ASHRAE will provide first draft of the revised format document (CHATGPT), good example of reformatted PD is “PD on Infectious Aerosols”

**3. Roster Updates (Scott Sherwood)**

**4. Subcommittee Reports**

- a. Programs (Daniel Villa) – Seminar 16 update, future seminars.
- b. Handbook (Janice Means) – 3-Year Maintenance required – Status on updates, coordination with TC4.2 (liaison for 4.2)
- c. Website (Gerardo Alfonso) – Gerardo’s status & BaseCamp instructions
- d. Research (Elizabeth Jedrlinic)
  - i. RTAR 1947 (DVilla) – Comments & Work Statement (WS) Update & Discussion.
  - ii. Future RTAR projects
- e. Standards (Enrica Galasso)
- f. MTG.LowGWP (Larry Burns, John Karakash)

5. Liaison Reports

- a. Handbook – Javier Korenko
- b. Standards – Niels Bidstrup
- c. Research - William Hutzler
- d. Standards – Gerald J. Kettler, PE
- e. Staff – Steve Hammerling
- f. TC 2.7 Noise, Vibration, Wind – Matt Clark
- g. TC 2.8 Sustainability – Renee Clair
- h. TC 2.10 Resilience & Security – Scott Sherwood
- i. TC 7.1 – Eric Haley
- j. TC 9.9 Mission Critical – Gerardo Alfonso
- k. SSPC 90.1 – Don Brundage
- l. Previously suggested: TC 4.2, TC 5.10, TC 6.7, TC 7.9, SSPC 189.1, SSPC 100.

**NOTE: Any suggestions and coverage of other TC's appreciated and important**

6. Update Reports on Related Treaties, Accords, and Activities (Round Table Discussion)

7. New Business

- a. Governmental Updates
- b. Decarb Task Force
- c. Title and Scope – (Should we re-write to include Decarbonization focus?)
- d. Climate Change Public Policy Brief

**e. Anyone can bring up any subject and/or ideas for the TC2.5 committee, in-room or virtual.**

8. Adjourn

**ADDITIONAL NOTES:**

**TC2.5 Committee Meetings,  
TC2.5 Related Committee meetings  
Seminars related to TC2.5**

**This week. Everybody welcome.**

**TC 2.5 Program/Research - Subcommittee meeting WebEx**

**Thursday 4:00 – 5:00PM EST June 15, 2023**

<https://ashrae.webex.com/ashrae/j.php?MTID=md097bfd9189481a31baa987e5a6dacaf>

**TC2.5 Seminar 16**

**Fundamentals of Climate Science: Part 3 – Recent Developments & Issues**

**Sunday 1:30 – 3:00PM EST June 25, 2023**

**JW Marriott Tampa, Water Street, Tampa Bay 6**

<https://events.rdmobile.com/Sessions/Details/1779872>

**TC 2.5 Handbook - Subcommittee meeting**

**JW Marriott Tampa, Franklin (3)**

**Sunday 3:00 – 5:00PM EST June 25, 2023**

<https://events.rdmobile.com/Sessions/Details/1811636>

**TC2.8 Building Environments and Sustainability - Main Meeting**

**Sunday 3:30 – 5:30PM EST June 25, 2023**

<https://events.rdmobile.com/Sessions/Details/1780131>

**TC2.8 Research - Subcommittee meeting Zoom**

**Friday 4:00 – 5:00PM EST June 15, 2023**

<https://events.rdmobile.com/Sessions/Details/1780438>

**TC2.8 Water Energy Nexus - Subcommittee meeting WebEx**

**Tuesday 11:00AM – 12:00PM EST June 20, 2023**

<https://events.rdmobile.com/Sessions/Details/1780436>

**Table 1. TRACKS for 2023 WINTER ASHRAE Conference – CHICAGO**

**1. Fundamentals** are the foundation for understanding applications in engineering. Key components of ASHRAE fundamentals include thermodynamics, psychrometrics, fluid and mass flow. This track provides opportunities for papers and presentations of varying levels across a large topic base. Concepts, design elements and shared experiences for theoretical and applied concepts of HVAC&R design are included.

**Track Chair:** **Craig Bradshaw** | [craig.bradshaw@okstate.edu](mailto:craig.bradshaw@okstate.edu)

**2. HVAC&R systems and equipment** are constantly evolving to address the changing requirements of the built environment. Papers and programs in this track focus on the development of new systems and equipment, improvements to existing systems and equipment and the proper application and operation of systems and equipment.

**Track Chair:** **Ng Yong Kong** | [nyk@nyk.com.my](mailto:nyk@nyk.com.my)

**3. Refrigeration & Refrigerants**. Refrigeration systems generate and use cold for a range of processes, from food preparation and conservation to vaccine preservation, to long-term protection of fragile ancient inks of historic documents and others. Differences in technologies and equipment, performances, refrigerants, etc., may hide synergies from which both industrial and commercial systems might benefit, also, but not only, from the points of view of reducing direct and indirect GHG emissions.

**Track Chair:** **Atilla Biyikoglu** | [abiyik@gazi.edu.tr](mailto:abiyik@gazi.edu.tr)

**4. Decarbonization & Climate Change**. Jurisdictions globally are confronting climate change and recognizing that building decarbonization is an important component in their efforts. The worldwide building sector accounts for about 40% of energy-related carbon emissions and buildings remain a major sector that lacks sufficient mitigation policies. As the standards authority for energy usage in buildings, ASHRAE recognizes that our long-standing initiatives in energy efficiency should be expanded to building decarbonization. This track seeks papers and programs that demonstrate the industry's decarbonization efforts.

**Track Chair:** **Som Shrestha** | [shresthass@ornl.gov](mailto:shresthass@ornl.gov)

**5. Hydronic Systems**. Many different hydronic systems are used in the built environment. This track looks at heating hot water, domestic water, chilled water, condenser water, etc.

**Track Chair:** **Joe Chow** | [joe.ashrae@gmail.com](mailto:joe.ashrae@gmail.com)

**6. Ventilation, Indoor Air Quality and Air Distribution Systems**. Many different parameters come into play when designing and constructing a finished space. This track looks at how these parameters work with and against each other.

**Track Chair:** **Ahmed H Abdel Salam** | [ahmed.abdel-salam@usask.ca](mailto:ahmed.abdel-salam@usask.ca)

**7. Comfort, Indoor Environmental Quality and Energy Efficiency**. ASHRAE Standards 55, 62 and 90 require many things – some of which seem to be in conflict with each other. This track looks at these standards as well as Guideline 10 and their effect on the final project as well as on each other.

**Track Chair:** **Kristen Cetin** | [cetinkri@msu.edu](mailto:cetinkri@msu.edu)

**8. HVAC&R Controls**. Determining the best system for a project only goes as far as the control system design that makes all of the elements function together and properly. This track looks at various control strategies and their application within the built environment.

**Track Chair:** **Alekhyia Kaianathbhatta** | [alekhya\\_k@rogers.com](mailto:alekhya_k@rogers.com)

**9. Project Delivery Methods** - There are numerous methods for delivering the final project (design-bid-build, design-build, construction manager at risk, indefinite-delivery/indefinite-quantity, etc.). This track looks at the different methods and how they produce the best results for the project delivery.

**Track Chair:** **Ehab Mamdouh Abu Taleb** | [ehab.mamdouh@ipeq-eq.net](mailto:ehab.mamdouh@ipeq-eq.net)

**In addition to the tracks above, papers and programs that address Cold Climates are appropriate and encouraged.**