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ASHRAE TC8.03: Absorption and Heat Operated Machines

TC8.03 Website: [Link](#)

AGENDA – 2023 ASHRAE Winter Meeting, Atlanta GA

Main Committee [Hybrid]: Monday, February 6th, 2023 at 1:00 PM – 3:00 PM EST

In Person Location: Omni CNN Center, Hickory (M3-North)

MS Teams Info:

Meeting ID: 264 433 812 830

Passcode: tuiCvW

<https://events.rdmobile.com/Sessions/Details/1612545>

Call to order

Ziviani

Sign in: [TC8.03-attend](#)

Review Scope

Technical Committee 8.03 is concerned with the design, performance and application of equipment energized by a heat source and using a thermodynamic cycle to provide an air-conditioning, refrigerating or heating function; with the properties of absorbent solutions or special working fluids used in these cycles; and with components of the cycle requiring specific design characteristics.

ASHRAE Code of Ethics Commitment

Ziviani

“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 ASHRAE Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

Introductions

All

- Determination of a quorum

Fronk

VOTING MEMBERS FOR THIS MEETING

	Douglas Davis	(6/2025)
	Brian Fronk	(6/2024)
	Kyle Gluesenkamp	(6/2024)
	Christopher Keinath	(6/2024)
	Jay Kohler	(6/2024)

	Juergen Scharfe
	Davide Ziviani, Chair (6/2023)
	Saeed Moghaddam, UFL (from 7/2022)
	Will Ryan (from 7/2022)

Approval of minutes from 2022 Annual Conference Toronto

Ziviani

Agenda additions

All

Chair's Report

Ziviani

- Chair's Goals
- TC Activity Form / Roster Updates (Submit as “Save” by TBD, 2023)
- TC Chairs' Breakfast & Training Meeting (Sunday 02/05/2023 7-9am EST)
- Research Subcomm Chair's Breakfast (Monday 02/06/2023 6:30-9:15am EST)

TC Continuation

Ziviani

Liaison reports (as they arrive)

Liaisons

- Section 8 Head - TAC
- Section 8 - RAC

Charles Henck
Carl Huber

Subcommittee reports

- Programs

Bill Ryan

TC 8.3 sponsored in Atlanta:

- **Seminar 66 (Intermediate)**, “Thermally Driven Heat Pumping and Cooling to Assist Grid Decarbonization” (Chair: Kyle Gluesenkamp). Co-Sponsor: TC1.10

For 2023 Annual Conference in Tampa:

- Track 1: HVAC&R Systems and Equipment (Track Chair: Ng Yong Kong)
- Track 2: Fundamentals and Applications (Track Chair: Brian Fronk)
- Track 3: Research Summit (Track Chair: Davide Ziviani)
- Track 4: Pathways to Net Zero Energy and Decarbonization (Track Chair: Rafi Karim)
- Track 5: Future-Proofing the Built Environment (Track Chair: Scott Peach)
- Track 6: Building Automation and Control (Track Chair: Raul Simonetti)
- Track 7: Professional Development and Education (Track Chair: Ahmed Abdel-Salam)

- Research

Kyle Gluesenkamp

- Breakfast Research Subcom. Chair’s Breakfast Report
 - i. 2021 ASHRAE Research Strategic Plan (Link: <https://www.ashrae.org/technical-resources/research/research-strategic-plan>)
- Ongoing RTAR/WS/TRP:
 - i. WS-1796: Application Guide for Absorption Chillers and Heat Pumps **Submit as PTAR [Kyle to check on the procedure for applying]**
 - ii. WS-1842: Development of Co-Generation Tools for Building Designers (eQuest) **Resubmit WS with updates**
 - iii. New topics: **High-temperature heat pumps**

- Handbook/Publications

Juergen Scharfe

[Davide Ziviani] Two manuscripts:

- i. Application Guide for Absorption Cooling/Refrigeration Using Recovered Heat (1995) – RP-773

Notes from Subcomm. meeting: seeking for support on drafting PTAR proposal. Doug volunteered to help Davide. Proposed a new title “Application Guide for Thermal Cooling and Refrigeration Systems”

- Standards

Jay Kohler

- [Ahmad AbuHeiba/David Searce] Update on SPC40
- [Amit Vatsa] SPC 182R “Standard 182-2020, Method of Testing Absorption Water-Chilling and Water-Heating Packages”

- Website

Chris Keinath**Old Business-****New Business****Adjourn**