



ASHRAE TC 1.3, Heat Transfer and Fluid Flow

2018 Winter Conference, Chicago, Illinois

TC Committee Meeting:

Tuesday, 23 January 2018, 1:00 PM - 3:30 PM, Venue: **Palmer House** 3rd Floor, Salon 10

TC 1.3/8.5 Research Review & Handbook Meeting:

Sunday, 21 January 2018, 3:00 PM - 7:00 PM, Venue: **Palmer House**, 5th Floor, Price

TC 1.3 Scope

TC 1.3 is concerned with the fundamental principles of the transport of energy, mass, and momentum, especially the study of and application to, physical processes in air conditioning, refrigeration, heating and related areas of environmental engineering.

Agenda

1. Call to Order/Introduction of members and guests/Establish quorum requirements (Ray Rite)
2. ASHRAE Code of Ethics Commitment (Rite)
 - 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>.)*
3. Review of Agenda (Rite)
4. Review/approve minutes from Long Beach meeting (Kashif Nawaz)
5. Section Head Comments (Amir Jokar)
6. Liaison Comments
7. Membership Subcommittee (Achim Gotterbarm)
 - a. Roster update
8. Handbook Subcommittee (Rick Couvillion)
9. Program Subcommittee (Melanie Derby)
 - a. Status of other current/proposed programs
10. Webmaster (Lindsey King)
11. MTG Liaison: Low GWP Refrigerants (Omar Abdelaziz -Liaison, Satheesh Kulankara –Alternate#1, Evraam Gorgy–Alternate#2)
12. Research (Joe Huber)
 - a. Updates from the Society research meeting
 - b. 1556-RP: “Characterization of Liquid Refrigerant Flow Emerging from a Flooded Evaporator Tube Bundle”
 - c. 1683-WS: “Experimental Evaluation of 2-Phase Pressure Drop and Flow Pattern in U-Bends with Ammonia”
 - d. 1800-WS: “Spray Evap. on Enhanced Tube bundles with low GWP Pure ref. and ref./miscible oil mixtures”
 - e. Pending research topics and future research plans
13. Chair Comments (Rite)
14. New Business
15. Next meeting: Tuesday, 26 June 2018, 1:00-3:30 pm, Houston, Texas
16. Adjourn

VOTING MEMBERS AS OF 7/1/17 ROLLING OFF 6/30/18

Ray Rite (Chair)	Kashif Nawaz (Secretary)	Melanie Derby	Satheesh Kulankara
Lorenzo Cremaschi	Vikrant Aute	Michael Wilson	Zahid Ayub
Achim Gotterbarm (NQ)	Vishaldeep Sharma	Man-Hoe Kim	Liping Liu

VOTING MEMBERS AS OF 7/1/18 ROLLING ON 7/1/18

Evraam Gorgy (Chair)	Kashif Nawaz (Secretary) ‘20	Melanie Derby ‘21	Satheesh Kulankara ‘21
	Vikrant Aute ‘21	Michael Wilson ‘21	Zahid Ayub ‘21
	Vishaldeep Sharma ‘20	Man-Hoe Kim ‘19	