



## ASHRAE TC 1.3, Heat Transfer and Fluid Flow

2018 Annual Conference, Houston, Texas

### TC Committee Meeting:

Tuesday, 26 June 2018, 1:00 PM – 3:30 PM, Venue: **Hilton** 4th Floor, Grand L

### TC 1.3/8.5 Research Review & Handbook Meeting:

Sunday, 24 June 2018, 3:00 PM – 7:00 PM, Venue: **George R. Brown**, 3rd Floor, 372AD

### 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 Chicago meeting (Kashif Nawaz)
5. Section Head Comments (Amir Jokar)
6. Liaison Comments
7. Membership Subcommittee (Achim Gotterbarm)
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 –Alt#1, Evraam Gorgy–Alt#2)
12. Research (Joe Huber)
  - a. Updates from the Society research meeting
  - b. 1683-WS: “Experimental Evaluation of 2-Phase Pressure Drop and Flow Pattern in U-Bends with Ammonia”
  - c. 1800-WS: “Spray Evap. on Enhanced Tube bundles with low GWP Pure ref. and ref./miscible oil mixtures”
  - d. Pending research topics and future research plans
13. Chair Comments (Rite)
14. New Business: NIST RefProp letter of support request
15. Next meeting: Tuesday, 15 January 2019, 1:00-3:30 pm, Atlanta, Georgia
16. Adjourn

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

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

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

<b>Evraam Gorgy (Chair)</b>	Kashif Nawaz (Vice Chair) ‘20	Michael Wilson (Secretary) ‘21	Satheesh Kulankara ‘21	Melanie Derby ‘21
Man-Hoe Kim ‘19	Vikrant Aute ‘21	Zahid Ayub ‘21	<b>Stanislav Perencevic (NQ) ‘22</b>	<b>Andreas Knoepfler (NQ) ‘22</b>
<b>Stefan Elbel ‘22</b>	<b>Joe Huber ‘22</b>	<b>Brian Fronke ‘22</b>		