



ASHRAE Technical Committee 1.4

Full Committee Meeting Agenda

TC 1.4 Control Theory and Application

<http://tc0104.ashraetcs.org/>

Tuesday, June 36 1:00 – 3:30 pm EDT Hybrid Conference

“Commitment to the ASHRAE Code of Ethics – 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>.)”

1) Call to Order

2) TC 1.4 Scope

- a) ASHRAE Technical Committee 1.4 is concerned with control theory, systems, and components (excluding refrigerant flow controls) for heating, ventilating, air conditioning, and refrigeration uses.

3) Introduce Members, Guests, and Liaisons

- a) General Introductions – In person and virtual
- b) Determination of a quorum

VOTING MEMBERS FOR THIS MEETING (Need (4) or $\frac{1}{2}+1$ for a Quorum)

NAME	Roll-Off-Date	
Charlotte Dean	6/30/26	
Chariti Young	6/30/26	
Nemat Lotfi	6/30/23	
Amanda Pertzborn	6/30/23	

NAME	Roll-Off-Date	
Christopher Benson	6/30/23	
Elise Backstrom	6/30/25	
Joe Kilcoyne	6/30/25	
Paul Ehrlich	6/30/25	

4) Voting Items

- a) Approval of minutes from 2023 Winter Meeting
- b) Final Report Approval - *RP-1661 Development of Near-Optimal Control Sequence for Chiller Plants with Water Side Economizer using Dynamic Models*
- c) Vote to Co-sponsor TC 5.11's RTAR titled *Establishing a Minimum Relative Humidity Level to Achieve Occupant Health and Productivity Benefits*.

5) Chair's Report

- a) Announcements and Highlights from TC Chairs Breakfast Meeting
 - i) -
 - ii) -

6) Announcements

- a) **TAC – Technical Activities Committee – Section Head Jason Atkisson**
 - i) Upcoming conferences
 - Jan. 20-24, 2024 – Chicago, IL
 - June 22-26, 2024 – Indianapolis, IN
 - Feb. 8-12, 2025 – Orlando, FL
 - June 21-25, 2025 – Phoenix, AZ
- b) **RAC – Research Activities Committee – Section Head Ahmed Kashef**
 - i) –

7) Liaison Reports – TC 1.4 Sponsored Functional Groups

- a) **SGPC 13 Specifying Building Automation Systems**
 - i) Chair Todd Gottshall, Vice Chair Philip Naughton
- b) **SGPC 36 High Performance Sequences of Operation for HVAC Systems**
 - i) Chair Jeff Boldt, Vice-Chair Joe Zhou
- c) **SPC 231P CDL – A Control Description Language for Building Environmental Control Sequences**
 - i) Chair Paul Ehrlich
- d) **SSPC 135– BACnet - A Data Communication Protocol for Building Automation and Control Networks**
 - i) Chair Coleman Brumley, Jr; reported by ____
- e) **MTG.CYB - Cybersecurity for HVAC Systems And Related Infrastructure**
 - i) Liaison –Ron Bernstein

f) **MTG.EBO - Effective Building Operations**

- i) Liaison –Joe Kilcoyne

8) Sub-Committee Reports

- a) **Executive** – Joe Kilcoyne | vice chair Elise Backstrom
- b) **Education/YEA** – Michelle Shadpour |
- c) **Brainstorming - Innovative and Disruptive Technologies** – Chad Moore
- d) **Program** – Frank Shadpour
- e) **Research** –Amanda Pertzborn
- f) **Handbook** – Tara Shoorideh | vice chair Terry Shroeder
- g) **Standards** – Steve Taylor
- h) **Webmaster** – Charlotte Dean

9) Committee Liasion Reports

- a) Decarbonization Task Force – Larry Fisher
- b) Epidemic Task Force (ETF) – Mike Pouchak
- c) TC 1.5 (Emerging Computing Applications) – Mike Pouchak
- d) TC 2.10 HVAC Security – Kim Barker
- e) TC 7.5 (Smart Building Systems) – Joe Zhou
- f) TC 9.10 (Laboratory Systems) – Jim Coogan
- g) TC 9.11 (Clean Rooms) – Phil Naughton
- h) SSPC 62.1 (Ventilation and Acceptable IAQ) – Steve Taylor
- i) SSPC 90.1 (Energy Efficient Design of New Buildings) – Steve Taylor

10) Old Business

- a) The editor of Special Publications with ASHRAE has asked whether TC 1.4 members will agree to review the ASHRAE's eLearning coursebooks FUNDAMENTALS OF HVAC CONTROL SYSTEMS and FUNDAMENTALS OF HVAC SYSTEMS in preparation for an update to their eLearning courses.
 - i) Existing ASHRAE eLearning Course Package: DDC Controls
 - (1) DDC Networks and Protocols
 - (2) DDC Specification, Installation, and Commissioning
 - (3) DDC Introduction to Hardware and Software

11) New Business

- a) --

12) Upcoming Deadlines

- Chicago Winter Conference
- Seminar, Forums, Workshops, Panels and Debates proposals are due by -.
- The portal to submit programs opened on -

13) Next Meeting – 2024 ASHRAE WINTER CONFERENCE| June 20-24, 2024| Chicago

14) Adjourn