ASHRAE Technical Committee 1.4

Full Committee Meeting Agenda

TC 1.4 Control Theory and Application
http://tc0104.ashraetcs.org/
Tuesday, January 23, 2024 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 (5) or ½+1 for a Quorum)

NAME	Roll-Off-Date		NAME	Roll-Off-Date	
Jayson Bursill	6/30/27		Chariti Young	6/30/26	
JoeDon Breda	6/30/27		Elise Backstrom	6/30/25	
Taraneh Shoorideh	6/30/27		Joe Kilcoyne	6/30/25	
Charlotte Dean	6/30/26		Paul Ehrlich	6/30/25	

4) Voting Items

    a) Approval of minutes from 2023 Annual Meeting.

5) Chair's Report

    a) Announcements and Highlights from TC Chairs Breakfast Meeting

6) Announcements

    a) **TAC – Technical Activities Committee – Section Head Jason Atkisson**
       i) Upcoming conferences
- June 22-26, 2024 – Indianapolis, IN
- Feb. 8-12, 2025 – Orlando, FL
- June 21-25, 2025 – Phoenix, AZ
- Jan. 31-Feb. 4, 2026 – Las Vegas, NV

       ii) -

    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** – Elise Backstrom | vice chair Charlotte Dean

i) Coordination of meetings with TC 7.5 for 2024 Annual Conference

b) **Education/YEA** – Michelle Shadpour | vice chair __

c) **Program** – Frank Shadpour | vice chair __

d) **Brainstorming - Innovative and Disruptive Technologies** – Chad Moore | vice chair Chris Benson

e) **Research** –Amanda Pertzborn | vice chair Jayson Bursill

f) **Handbook** - Terry Schroeder | vice chair Tara Shoorideh

g) **Standards** – Steve Taylor

h) **Webmaster** – Michelle Shadpour

9) **Committee Liaison Reports**
   a) Task Force on Building Decarbonization (TFBD) – Larry Fisher
   b) TC 1.5 (Emerging Computing Applications) – Mike Pouchak
   c) TC 2.10 HVAC Security – Kim Barker
   d) TC 7.5 (Smart Building Systems) – Joe Zhou
   e) TC 9.10 (Laboratory Systems) – Jim Coogan
   f) TC 9.11 (Clean Rooms) – Phil Naughton
   g) SSPC 62.1 (Ventilation and Acceptable IAQ) – Steve Taylor
   h) 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
   ii) Feedback form was sent out. TC needs to have a consensus of comments prior to sending back to Publications, Joe to compile comments.

   b) Jim Coogan proposal: Bring a chatbot to participate in a TC meeting at the next conference, small scale for Chicago conference, likely one meeting.

11) **New Business**
   a) **-**

12) **Upcoming Deadlines**
   - Indianapolis Annual Conference
   - Seminar, Forums, Workshops, Panels and Debates proposals are due by Monday, February 26, 2024.
   - The portal to submit programs opened on Friday, January 5, 2024.

13) Next Meeting – 2024 ASHRAE ANNUAL CONFERENCE| June 22-26, 2024| Indianapolis

14) Adjourn