

**ASHRAE TC 7.6 Building Energy Performance  
Program Sub Committee  
Monday February 6, 2023 5:30PM EST  
Meeting Agenda**

**Program Sub Committee Meeting, Atlanta Winter Meeting 2023**

**Programs**

*3 programs submitted, one accepted.*

**Co-Sponsored Program:**

**Seminar 27:** Level of Detail for Energy Modeling

**Chair:** Erik Lolderup

Monday, February 6 8:00 – 9:30AM EST

Georgia World Congress Center, A405

**Not accepted submissions:**

- By All Measures: Recent Advances in Energy Efficiency Measure (EEM) Data Collection, Aggregation, and Analysis – Amanda Webb
- Electrification Strategies for Compliance with New York City Local Law 97 – Daniel Nall

**Future ASHRAE Conferences**

June 24 – 28, 2023 – Tampa, FL – Technical Chair – Bert Phillips

January 20-24, 2024 – Chicago, IL – Technical Chair – Suzanne LeViseur

June 22-26, 2024 – Indianapolis, IN – Technical Chair – Brian Fronk

**Future Programs Discussion**

**Speaker Resources**

<https://www.ashrae.org/conferences/speaker-resources>

[https://www.ashrae.org/File%20Library/Conferences/Speaker%20Resources/SpeakersManual\\_0718.pdf](https://www.ashrae.org/File%20Library/Conferences/Speaker%20Resources/SpeakersManual_0718.pdf)

**Atlanta Statistics**

- Total Sessions: 109
- Seminar Sessions: 72 (4 at AHR Expo)
- Workshop Sessions: 1
- Debate Sessions: 1
- Forum Sessions: 2
- Panel Sessions: 4

**Tampa Annual 2023 Conference Deadlines**

- **Friday, January 6, 2023** | Website opens for Seminar, Workshop, Panel, Debates and Forums
- **Friday, February 24, 2023** | Technical Paper Final Accept/Reject Notifications
- **Monday, February 27, 2023** | Debate, Panel, Seminar Form, Workshop Proposals Due
- **Wednesday, March 29, 2023** | Extended Abstract Paper Due and Conference Papers Due
- **Friday, April 14, 2023** | Debate, Panel, Seminar, Forum Workshop Accept / Reject Notifications
- **Wednesday, April 26, 2023** | Conference Paper Abstract Accept / Revise / Reject Notifications
- **Wednesday, May 10, 2023** | Revised Conference Papers, Technical Papers Due
- **Sunday, May 21, 2023** | Conference Paper Accept / Reject Notifications

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**Tampa Tracks & Track Chairs June 2023**

- 1. Fundamentals and Applications:** Brian Fronk - [Brian.Fronk@psu.edu](mailto:Brian.Fronk@psu.edu)
  - Fundamentals are the foundation for understanding applications in engineering. Key components of ASHRAE fundamentals include thermodynamics, psychometrics, fluid and mass flow. This track provides opportunities for papers and presentations of varying levels across a large topic base. Concepts, design elements and shared experiences for theoretical and applied concepts of HVAC&R design are included.
- 2. HVAC&R Systems and Equipment:** NgYong Kong - [nyk@nyk.com.my](mailto:nyk@nyk.com.my)
  - HVAC&R systems and equipment are constantly evolving to address the changing requirements of the built environment. Papers and programs in this track focus on the development of new systems and equipment, improvements to existing systems and equipment and the proper application and operation of systems and equipment.
- 3. Research Summit:** Davide Ziviani - [dziviani@purdue.edu](mailto:dziviani@purdue.edu)
  - Active research, and the exchange of those research findings, are critical to the development of our HVAC&R industry and built environment. The 2023 Annual Research Summit invites researchers to share those results, including ASHRAE-sponsored research and research of interest to the ASHRAE community. Researchers are invited to present papers, extended abstracts, seminars, forums or participate in panel discussions. The Research Summit includes a partnership with ASHRAE's archival journal, Science and Technology for the Built Environment.
- 4. Pathways to Net Zero Energy and Decarbonization:** Rafi Karim - [rkarim@aeieng.com](mailto:rkarim@aeieng.com)
  - Decarbonization is urgently needed to slow climate change that is affecting the wellbeing of our planet. Whether it is new construction, renovation or routine maintenance, ASHRAE and its members are leading in the advancement of carbon neutral, net zero energy and decarbonization strategies in building and HVAC&R design. This track highlights: case studies and research that expand on the simple to the complex methods being developed to reduce carbon impact on the global environment; tools and resources to make zero energy design and operation more easily achievable; innovative and state-of-art technologies and strategies to achieve zero energy communities and campuses; policies and regulations, codes and standards, and utility programs for adoption and scale up of net zero (or net-positive) energy building and community initiatives.
  - **Future-Proofing the Built Environment:** Scott Peach - [sp@sp.engineering](mailto:sp@sp.engineering)
    - In the face of climate change and weather extremes (hotter, colder, wetter, drier, wilder winds, wildfires, seawater rise, etc.) and energy supply disruptions and shortages, methods of designing, constructing and operating buildings and HVAC&R systems for resilience and sustainability are paramount to long-term success. This track invites papers, abstracts, seminars and forums that highlight innovative technologies and strategies that reimagine our relationship with the built environment now and into the future, including advancements in: grid resilience; thermal storage systems; demand response; HVAC systems, equipment and design strategies for extreme climates and weather (e.g., outdoor and passive cooling, water scarcity); appropriate responses to energy supply disruptions; and how all the above are tied to resilience and energy conservation efforts.
- 5. Building Automation and Control Systems:** Raul Simonetti – [raul.simonetti@carel.com](mailto:raul.simonetti@carel.com)
  - As sensor systems, internet connectivity, building management software and data collection become more sophisticated and ubiquitous, there are substantial opportunities to make buildings and HVAC system and equipment “smarter”, with improved security, performance, efficiency and maintenance, and better utilization of renewable energy resources, including wind and solar energy and energy storage. Submissions in this track may include IoT, cyber security, fault detection and diagnosis, big data analytics and

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applications, smart building, grid-enabled equipment and appliances, and HVAC design and operation for load flexibility, time-of-day practices, utility programs, etc.

- 6. Professional Development and Education:** Ahmed Abdel-Salam - [ahaabdel salam@gmail.com](mailto:ahaabdel salam@gmail.com)
- We participate in ASHRAE functions for the great value of technical exchange, and also for valuable interpersonal connections and exchanges. This track is designed to provide opportunities to develop and share knowledge in the areas of presentation skills, leadership, teambuilding, understanding various business operations, interpersonal skills, etc., and an opportunity for educators to share knowledge in the teaching and education of current and future generations of professionals. It also provides a venue for presentations on the importance of ethics and benefits of diversity, equity and inclusion (DEI) in our professional and personal development. In addition to seminars, submissions to this track may lend themselves to interactive session types such as workshops, panels and forums.

**Chicago Tracks & Track Chairs January 2024**

1. HVAC&R Systems and Equipment – Ng Yong Kong
2. Fundamentals and Applications – Craig Bradshaw
3. Refrigeration and Refrigerants – Atilla Biyikoglu
4. Decarbonization and Climate Change – Som Shrestha
5. Hydronic System Design -- Joe Chow
6. Ventilation, IAQ, and Air Distribution Systems -- Ahmed H Abdel Salam
7. Comfort, Indoor Air Quality, and Energy Efficiency – Kristen Cetin
8. HVAC&R Controls - how to make it all work -- Alekhya Kaianathbhatta
9. Design, Bid, Build and Design Build -- Ehab Mamdouh Abu Taleb