Programs Update

ASHRAE Summer Conference 2019
Kansas City

Nick Gangemi, Program Chair

Conference Meetings

(sponsored or co-sponsored by TC9.9)

Sunday, June 23, 8:20-8:40 : Conference Paper Session 2 : Presentation 2

Improving Data Center and Telecommunications System HVAC Design from Lessons Learned from Retro-Commissioning (KC-19-C002)

TC 9.9

- **Technical Paper Sessions-**
  - These sessions present papers on current applications or procedures, as well as papers resulting from research on fundamental concepts and basic theory.

- **Conference Paper Sessions-**
  - Papers on current applications or procedures, as well as papers reporting on research in process.
  - These papers differ from technical papers in that they are shorter in length and undergo a much less stringent peer review.

- **Panels-**
  - Panel discussions can feature a **broad range of subjects** and explore **different perspectives** on issues in the industry.
  - A panel **may feature discussions about integrated project delivery** among designers, builders and facility management professionals.

- **Forums-**
  - Forums are "off-the-record" discussions held to **promote a free exchange of ideas**.
  - Limited reporting to allow **individuals to speak confidentially** without concern of criticism.
  - There are **no papers** attached to these forums.

- **Debates-**
  - Debates highlight **hot-button issues**
  - Experts, either on **teams or as individuals**, present **different sides** of an issue in debate format.
  - Each participant **presents evidence for or against** a specific statement or question

- **Seminars-**
  - Seminars feature **presentations** on subjects of current interest.
  - **Papers are not available** from the Society; however, seminar PowerPoint presentations with audio descriptions of the **presentations are posted online**.

- **Workshops-**
  - Workshops enable technical committees and other **ASHRAE committees** to provide a **series of short presentations** on a topic requiring specific expertise.
  - These short presentations are provided with an increased **emphasis on audience participation and training** in a specific set of skills.

Technical Papers:

- Technical Papers are presented by authors at ASHRAE **Winter and Annual Conferences**.

- Technical Papers submitted for review must be both technically accurate and clearly written.

- Technical Papers undergo a **rigorous double-blind review** and must be **approved by three reviewers** knowledgeable in the subject matter.

- Technical Papers can be **up to 30 double-spaced manuscript** pages in length, including tables and charts, and a maximum of 12 figures (not counted in the page count).

- Accepted Technical Papers are **available as hard-copy preprints** in the bookstore during the conference.

- The Technical Papers must be presented at the conference in order to be **published in *ASHRAE Transactions***, where they will be included with questions and answers (if any).

Conference Papers:

- Conference Papers are **shorter than Technical Papers**, undergo a **less stringent review** and can be **prepared closer to the conferences**.

- Unlike Technical Papers, **abstracts** of Conference Papers are **submitted first** for review.

- Upon acceptance, papers are due three months after abstract acceptance, **undergo a single-blind review** (the author(s) names are included in the paper; however, reviewer's remain anonymous), and must be **approved by two reviewers**.

- Upon approval, papers are scheduled for oral presentation.

- Conference Papers can be **no more than 8 single-spaced pages** in length total (includes text, tables, figures, etc.).

ASHRAE Winter Conference & AHR Expo

Orlando, FL | February 1 – 5, 2020

The 2020 ASHRAE Winter Conference will be held in Orlando, FL! The Technical Program along with Committee meetings, Registration, the Bookstore and Speakers Lounge will be at the **Hilton Orlando and Orange County Convention Center**.

The AHR Expo will take place at the Orange County Convention Center, Monday, Feb.3 – Wednesday, Feb. 5.

ASHRAE
TC 9.9

"The 2020 ASHRAE Winter Conference will feature a strong technical program including presentations and discussions on **best design practices and standards, incorporation of innovative technologies, and cutting edge approaches** applicable to a wide range of buildings-related engineers, architects, and professionals."

Conference Chair, Melanie Derby

The **2020** ASHRAE Winter Conference technical program is comprised of **eight tracks**, selected to represent areas of focus common among ASHRAE membership.

1. HVAC&R Fundamentals and Applications
2. Systems and Equipment
3. Refrigeration and Refrigerants
4. Cutting Edge Approaches
5. High Efficiency Design and Operation
6. Big Data and Smart Controls
7. Ventilation, IAQ and Air Distribution Systems
8. Standards, Guidelines and Codes

1. HVAC&R Fundamentals and Applications:

Fundamentals are the foundation for understanding applications in engineering. Key components of ASHRAE fundamentals include thermodynamics, psychrometrics, 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.

Track Chair: Maggie Moninski

maggie.moninski@gmail.com

2. Systems and Equipment:

HVAC&R Systems and Equipment are constantly evolving to address the changing requirements of the built environment. Papers and programs in this track will 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.

Track Chair: Sonya Pouncy

sonya.pouncy@gmail.com

3. Refrigeration and Refrigerants:

Refrigeration is a critical element of modern life, from preserving food and medicine to maintaining comfort. With significant changes on the horizon for refrigerant regulations, along with new applications for refrigeration systems being frequently applied, there is more need than ever to understand both the fundamental and advanced concepts and issues related to refrigeration. Papers and programs in this track will focus on refrigerants, refrigerant regulation, refrigeration cycles and refrigeration applications.
Track Chair: Stephen Idem

sidem@tntech.edu

4. Cutting Edge Approaches:

This track focuses on novel approaches to HVAC&R systems and buildings due to changing energy, economic, and environmental concerns. Papers and programs will focus on emerging approaches such as the critical Water-Energy nexus, natural/emerging refrigerants and other cutting edge approaches pertaining to HVAC&R systems and buildings.

Track Chair: Marianna Vallejo

marianna.vallejo@jacobs.com

5. High Efficiency Design and Operation:

Submissions are requested regarding high efficiency design and operation of commercial and residential buildings, including specialty building types.
Track Chair: Ryan MacGillivray
ryan.macgillivray@dwel.com

6. Big Data and Smart Controls:

This track examines the use of big data, advanced algorithms, occupancy-based control strategies, data mining and other analytical techniques to economically automate buildings. Given the intersection with the larger world of IT, cybersecurity is also a topic of interest in this track.

Track Chair: Leticia De Oliveira Neves
leneves@gmail.com

7. Ventilation, IAQ and Air Distribution Systems:

This track solicits submissions pertaining to the design, operation and study of ventilation and air distribution systems in residential and commercial buildings. The intersection of these systems with respect to indoor air quality and health effects are also of significant interest for this track.

Track Chair: Robert Cox

bob.cox@jacobs.com

8. Standards, Guidelines and Codes:

ASHRAE is a leader in the development of standards and guidelines pertaining to the indoor environment; these standards and guidelines are used to shape codes. This track invites submissions pertaining to standards for buildings, HVAC&R systems and IAQ
Track Chair: Lee Riback
lee.riback@gmail.com

Deadlines:

Monday, March 18, 2019: Conference Paper Abstracts, Technical Papers and Paper Session Requests Due

Monday, April 22, 2019: Conference Paper Abstract Accept/Reject Notifications

Monday, June 17, 2019: Website Opens for Seminar, Workshop, Forum, Debate, and Panel Proposals

Deadlines Continued:

Monday, July 8, 2019: Final Conference Papers Due - Submitted for Review (Includes Bio, Learning Objectives and Methods of Assessment); Request for Conference Paper Sessions Due

Friday, July 26, 2019: Conference Paper Accept/Revise/Reject Notifications

Friday, August 2, 2019: Seminar, Workshop, Forum, Debate, and Panel Proposals Due

Deadlines continued:

Friday, August 9, 2019: Revised Conference Papers/Final Technical Papers Due

Friday, August 12, 2019: Conference Paper abstract or full Technical Papers Due

Friday, August 26, 2019: Conference and Technical Paper Final Accept/Reject Notifications

Friday, October 4, 2019: Seminar, Workshop, Forum, Debate, and Panel Accept/Reject Notifications

Nick Gangemi, Program Chair

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