

October 2024 Newsletter

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Upcoming Dates:

- [Bluegrass ASHRAE Golf Scramble: Oct 11th](#)
 - [Registration due by Oct 4th](#)
- [October Chapter Meeting: Oct 23rd](#)

Bluegrass ASHRAE Golf Scramble



11th Annual Bluegrass ASHRAE Invitational Golf Outing

Open to public guests

Houston Oaks Golf Course

Register by October 4, 2024

100% of Proceeds to Benefit ASHRAE Research Promotion

More details available on the full flyer [here](#)

[Click here to register online](#)

October Chapter Meeting

Load Calculations Using the ASHRAE Heat Balance Method

When: Oct 23, 12-1pm

Summary: Load calculations and HVAC system sizing are fundamental tasks in designing HVAC systems for all buildings. Considering load calculations have a dramatic impact on HVAC equipment size and HVAC system first cost, energy consumption, refrigerant quantity, and carry a significant amount of liability for the Engineer of Record, determining accurate loads is essential to any building, building owner, and design team.

Methods for calculating loads have changed significantly over time. “Traditional” methods assumed near instantaneous heat transfer or simplified the methods of estimating time-delay through weighting factors. These simplifications were made for a number of reasons including limited access to computing power and a lack of empirical tests for calculation methods.

Over 20 years ago, ASHRAE published (in the Handbook of Fundamentals) the Heat Balance Method for calculating loads. This method is considered to be the most accurate and has some empirical testing to validate the calculation methodology.

This session explores how the Heat Balance Method is different from other methods, how energy code has impacted HVAC sizing calculation assumptions, and the impact of oversized and undersized systems on energy, comfort, and environmental impact.

the Heat Balance Method for calculating loads for a building.



Presenter: Nathan Kegel | BEMP, LEED AP

Nathan has over 20 years of design and building performance simulation experience using a variety of design and modeling tools and platforms. He has performed design and post-occupancy analysis on hundreds of buildings and dozens of building types all over the world. He has built and led High Performance Design Teams, trained over 1,000 industry professionals on using and applying building performance simulation to the design process, and was the coach and captain of the ASHRAE Lowdown Showdown 2022 winners. Currently, he trains building design professionals how to apply performance simulation and calculations of all types to the building design process. He is ASHRAE BEMP certified, a LEED AP, and a RESET AP and serves as the co-chair of the Data Analysis and Reporting Working Group for MEP 2040.

Where:

TES
680 Bizzel Drive
Lexington, KY 40510

Ticket Options (In Person Only):

Member - \$15
Non-Member - \$20
Student Member - FREE

[RSVP Here](#)

Technical Features and Government Affairs News

National Energy Efficiency Day

Today, October 2nd, 2024 is National Energy Efficiency Day!

Check out the [website](#) to learn more.

U.S. EPA Announces Final Rule for HFC Management Under the AIM Act

On Sept. 23, the U.S. Environmental Protection Agency (EPA) announced a final rule to establish the Emissions Reduction and Reclamation (ER&R) program to better manage, recycle and reuse climate-damaging hydrofluorocarbons (HFCs) under the American Innovation and Manufacturing (AIM) Act. The final rule includes provisions that will reduce wasteful leaks from large refrigeration and air-conditioning equipment and will support American leadership and innovation in the development of clean solutions to tackle these heat-trapping emissions. [Read more](#)

October 2024 Digital Journal

In case you missed it - This month's issue of ASHRAE Journal includes topics such as the application of metadata in building operation systems, innovative dual-duct VAV systems design options and the moisture durability of building envelopes.

[Click Here to Read the Journal](#)

ASHRAE Society Announcements

ASHRAE Jobs Board

Check out the [ASHRAE Jobs Board](#) for useful career tips and tools, relevant job postings in the industry, and to quickly find the right professionals for your open positions.



Did you know that we are on LinkedIn and Facebook? Follow us here for the latest and greatest in Chapter and National news!



Are You An Associate Who Wants to Advance to Member?



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To order additional copies of this brochure, to share with your colleagues, visit the membership page at: www.ashrae.org/members



**Connect with
ASHRAE**

ASHRAE represents the industry's leading HVAC&R professionals, working to make the world a better place to live.



considered for grade advancement.

Steps for updating your biography:

1. Log into www.ashrae.org by selecting 'Join or Login' in the upper right corner. Enter your email address and password then select 'Sign In.'
2. Hover over the 'Membership & Conferences' tab and select 'My Membership.'
3. Under 'Manage Personal Information,' select 'Change Your Address/View or Edit Your Profile.'
4. Select the 'Edu. Pro. Reg' link located in the blue font above your name. Add all of your educational history, relevant professional licenses and work history.
5. Confirm that your contact information is current by clicking on 'Contact Info.'

For information on what experience qualifies for advancement, please see Section 2.7 of the [ASHRAE Bylaws](#).

Bluegrass ASHRAE

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.

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