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Upcoming Dates:

- Chapter Meeting: November 9th
- December Tech Tour: December 14th

November Chapter Meeting

The Science Behind Climate Change and Decarbonization

When: November 9, 12-1pm

Summary: This lecture will give the basic scientific information gathered from international bodies related to the causes and effects of climate change. Information will be presented related to the impact of climate change; overall sources of CO₂e; the goals of decarbonization from the building sector; and an introduction in to why decarbonization of buildings is important.



Presenter: Donald Colliver, Ph.D., P.E., F-ASHRAE

Donald "Don" Colliver has been involved in the energy usage and efficiency of buildings for over 40 years. He is Professor in the Biosystems Engineering Department, and formerly Director of Graduate Studies in the BAE Department and Director of the Kentucky Industrial Assessment Center at the University of Kentucky. He is a licensed Professional Engineer in the Commonwealth of Kentucky.

codes, and the analysis of climatological data for determination of design weather conditions. His team developed the first dehumidification design weather data that was published in the 1997 ASHRAE Handbook – Fundamentals.

Don has lectured in 20 countries with his teaching emphasis in solar PV systems design; indoor environmental control; industrial energy auditing; building energy modeling and analysis; decarbonization; and sustainable design.

He was the ASHRAE Society President in 2002-2003. As a result of his initiatives and leadership, ASHRAE launched the Advanced Energy Design Guides – a series of publications that provide guidance on designing and constructing buildings that lead toward net-zero-energy buildings. He served as the leader of this project for ten years during which time ten books were produced which now have over 700,000 copies distributed.

Prior to his service as ASHRAE President he served as Society President-Elect, Treasurer, Vice President, Director-at-Large, and Chair of Technology Council, Education Council and the Standards Committee. He has subsequently served as Chair of the ASHRAE Honors and Awards Committee, the National Engineers Week, and Vice Chair of the ASHRAE Foundation. He is an ASHRAE Fellow and recipient of the Andrew T. Boggs Service Award.

He served as Director of the KY Industrial Assessment Center from 2014-2021 and participated in over 80 energy assessments in industrial facilities that have resulted in implemented recommendations that save on average \$110,000 per year per plant. In November 2019 he designed and installed a ground-mounted 10.2kW solar photovoltaic system for his house which has resulted in a maximum monthly electric bill of \$19 since then.

Don was chosen to be the initial Co-Chair of the ASHRAE Task Force for Building Decarbonization and currently serves as Vice Chair.

He was awarded a doctorate from Purdue University; and is a hiker, viticulturist, and a retired soccer referee. He has been an active member of the Central Baptist Church in Lexington Kentucky for over 40 years where he has served as Deacon and Moderator. His love and pride are his wife, two sons and daughter-in-laws, and five grandchildren.

Where:

TES

680 Bizzell Drive

Lexington, KY 40510

Ticket Options (In Person Only):

Member - \$15

Non Member - \$20

[RSVP Here](#)

Bluegrass ASHRAE Technical Tour 2022

Join ASHRAE to celebrate the holiday season with a technical tour and happy hour. This year's tour features the central utility plant for the Baptist Health Hospital in Hamburg. The tour will be followed by a happy hour at Harry's in Hamburg sponsored by the Bluegrass ASHRAE Chapter.



When: December 14, @ 2:00 PM

Where: Baptist Health Hospital - Hamburg (Just past I-75 on Winchester Road)

High-vis vest and hardhat required for tour participants

[Click Here for More Details](#)

Technical Features and Government Affairs News

New York City Releases Proposed Regulations for Building Emissions and Energy Use

The New York City Department of Buildings recently released proposed regulations implementing Local Law 97, which was passed in 2019 and requires the city to establish greenhouse gas emission limits for certain buildings. The proposed regulations establish building emission limits for different property types, starting in 2024. They also establish a process for property owners to offset emissions using renewable energy credits. The regulations are expected to have major impacts on certain property types, including residential buildings with heating systems that are powered by fossil fuels, and commercial buildings that use a large amount of electricity such as trading floors and data centers. The City also has an existing goal to reduce building emissions by 80% by 2050. **A public hearing regarding the proposed regulations will be held on November 14, 2022.** Members of the public can attend the hearing or submit written comments prior to the hearing.

Reducing Climate-Change-Induced Heat Strain and HVAC Performance Loss With Circulating Fans

With the rate of climate change accelerating and predicted outcomes growing more dire, the authors examine the potential of air-circulating fans to mitigate increased occupant heat strain in heated-and-ventilated-only warehouses and improve the resilience of mechanical systems and maintain occupant thermal comfort in conditioned commercial buildings. Read more in the 2022 AMCA inmotion [here](#).

November 2022 Digital Journal

In case you missed it - Decreasing carbon levels has become increasingly important in efforts to reduce global climate change. This month's cover article discusses the possible applications and future role of combined heat and power in the greater movement toward decarbonization in the built environment sciences.

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To advance from Associate to Member, you must update your ASHRAE bio online, and notify membership@ashrae.org that you have an updated bio and wish to be 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.'

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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