



DAYTON CHAPTER

WWW.DAYTONASHRAE.ORG

ISSUE III | 2023

CURRENT OFFICERS

PRESIDENT

Matt Dill

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Victaulic

PRESIDENT-ELECT

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SECRETARY

Kevin Sturm

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Uptime Solutions

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April 10th, In person only

Main Presentation: Duct & Air Sealing Technology at Aeroseal

Presenter: Kort Kugel
Global Sales Manger-Commercial

Presentation will be at: Aeroseal, 225 Byers Road, Miamisburg

From 5:30 to 7:30

Food and Drink will be provided

Please join us for an introduction of the Aeroseal technology and how it can help you to help your customers focus on code compliance, energy efficiency, indoor air quality and comfort.

During this presentation, Kort will:

- 1. Review different methods for meeting ASHRAE and SMACNA seal classes in both new construction and existing buildings.**
- 2. Talk about ductwork as the forgotten piece of the HVAC system when it comes to energy efficiency and indoor air quality.**
- 3. Finally, he will introduce the concept of aerosolized duct sealant as a way to tighten up new and existing ductwork.**



Please email Vincent Caudill at vcaudill@ecomfortohio.com or by calling 740-971-7795 to [sign up by April 6th.](#)

Join Zoom Meeting Information:

NO ZOOM MEETING - IN PERSON ONLY

FROM THE PRESIDENT

Thank you to everyone that joined us for our March Chapter Meeting. Donald Colliver gave his presentation "Building Decarbonization Basics". This was a joint meeting with AIA, so thank you to all of their membership that was able to attend.

Please join us on April 10th for our Chapter Meeting that is being held at Aeroseal. This is an in person only event that will include a technical tour of Aeroseal's manufacturing facility. Kort Kugel, Global Sales Manager-Commercial for Aeroseal, will provide a technological presentation regarding duct & air sealing technology.

Don't forget to sign up your foursome for the upcoming ASHRAE Golf Scramble. Our 2023 Golf Scramble is being held at Pipestone on May 26th.

We are looking for a Government Affairs Chair and a Secretary for the 2023/2024 ASHRAE year. Please reach out to a member of the board if you are interested.

Thank you, *Matt Dill*—President, Dayton ASHRAE

Upcoming Events

March 15th

Board of Governors
8:00 AM, Virtual Meeting

March 16th

ASHRAE Chapter Mtg.
11:30 AM, Hybrid Meeting

April 19th

Board of Governors
8:00 AM, Virtual Meeting

April TBD

ASHRAE Chapter Mtg.
—, Hybrid Meeting

[See Additional
Events & Volunteer
Opportunities Here](#)

CHAPTER HISTORY (1959-1960)

President:	Norman Mitchel	Honeywell
Vice Pres:	Thomas lutz	Chrysler
Secretary:	Frank Doench	Helmig & Lienesch.
Treasurer:	Jerry Ely	Chrysler

BOD:

Education:
Research Pro.:
Membership:

Regional Director: Mr. Crider

Meetings were held at the Dayton Engineering Club.

Committee Chairs

MEMBERSHIP

Vincent Caudill

Vcaudill@ecomfortohio.com
Environmental Comfort, LLC

HISTORY

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YEA (Chair)

Phillip Reid

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Heapy

Board of Governors

Rick Pavlak

Heapy

Lorraine Kapka

Sinclair College

Jennifer Eller

Heapy

MEMBERSHIP

New Members

The Dayton Chapter is happy to welcome its newest members. If you see them please give them a warm welcome!

March: Jared Ventura



Do you know a colleague that would benefit from joining ASHRAE?

You can go to http://web.ashrae.org/connect_a_colleague/ and quickly sign up for ASHRAE to send an email to ask them to sign up on your behalf.

Membership Recognition

We would like to recognize the following members who have been with ASHRAE for the following years! Thank you for all your contributions to the field!

10 Years: Joe Thacker & Michael Perevozchikov, PhD
15 Years: Daniel Rice
30 Years: John Hastings, Jr
35 Years: Ganesan (Sonny) Sundaresan, PE



Membership Promotion Committee

Looking for a way to get involved with your local ASHRAE chapter and meet new people? The membership promotion committee is looking for volunteers to join the committee. The committee's primary responsibility is to recruit new members and retain existing members. If you are interested in serving please contact **Vincent Caudill** at vcaudill@ecomfortohio.com or by calling 513-512-5359.

[Membership Application Here](#)

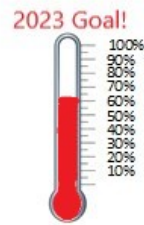
ASHRAE RP

Spring is right around the corner! Thank you to everyone who have contributed to the 22-23 ASHRAE campaign thus far. We have three months left in our 22-23 campaign, and we still have have a ways to go to meet our goals. For those looking to contribute, please consider donating to ASHRAE RP / Education / Scholarships. See the link BELOW to donate today!

Please note again that in order to be recognized with a commemorative coin, and have your name published in the ASHRAE Journal, the minimum donation is \$150 for individuals and \$500 for Corporate Donors .

2021 Goal = \$ 19,680
YTD = \$ 14,900
To go = \$ 4,780

% to GOAL: 76%



Partner Level

Emerson

Honor Roll

Steve Meier
Lorraine Kapka
Brian Turner
Jennifer Eller
Evan Nutt
Bryan Schenk
Matt Dill
Rick Pavlak
David Crosley
Jeremy Fauber
Kyle Schroeder

Bronze Level

Russell Marcks
Uptime Solutions
Sam Tobias

Silver Level

Dave Waibel

Honorable Mention

Zak Schultz
Kort Kugel
Vincent Caudill

Thanks for all your help and support. If you would like to donate NOW simply click this link:

DONATE NOW

And make your donation to help ASHRAE in its Research Efforts. Thank you so much!!



ASHRAE Info



TECHNOLOGY AWARDS PROGRAM

ASHRAE REGION 5 TECH AWARDS

The Award form and the rules can be downloaded from this link, [ASHRAE Tech Awards, updated June 2022](#)

April 30th is the Region 5 Deadline to submit the Tech Awards entries to Aru Sau, RVC, CTTC – runa-bha@gmail.com

[Winners from the Region will go to the National Level.](#)

Building Owner's Release is required for 2023 entries for National Level; not required for the Regional submissions.

National Deadline September 1st, 2023

Category – check one and indicate New, Existing, or Existing Building Commissioning (EBCx)

Commercial Buildings	New	Existing	EBCx
Institutional Buildings	New	Existing	EBCx
Educational Facilities	New	Existing	EBCx
Other Institutional	New	Existing	EBCx
Health Care Facilities	New	Existing	EBCx
Industrial Facilities or Processes	New	Existing	EBCx
Public Assembly	New	Existing	EBCx
Residential (Single and Multi-Family)	New	Existing	EBCx



APRIL 30TH
REGIONAL
DEADLINE

ONE YEAR OF
OPERATIONAL DATA IS
NOT REQUIRED FOR
REGIONAL
SUBMISSIONS.

SHORT FORM
(UPTO 4 PAGES)
IS GOOD FOR
REGIONAL
ENTRIES

LONG FORM
(MAX 10 PAGES) IS RE-
QUIRED FOR
NATIONAL

MAJOR
SIMPLIFICATION ON
THE TECH AWARDS
FORM

Any questions, please contact
Aru Sau, Reg 5 RVC, CTTC – runa-bha@gmail.com or asau@energy-solution.com

ASHRAE Info

Save the Date!!!

2023 ASHRAE

Annual Golf Scramble



**Friday May 26th, 2023
Pipestone Golf Course
4344 Benner Rd, Miamisburg**

Registration covers the green fee, cart, lunch, two drink tickets, and one mulligan. This year as opposed to doing mulligan cards, every participant will have one traditional mulligan. Click below to sign up and for detailed info!!

<https://Daytonashraegolf2023.eventbrite.com>



ASHRAE Info

Applying VRF In K–12 Schools: Case Studies And Lessons Learned

By Kelley Cramm, P.E., Member ASHRAE

Variable refrigerant flow (VRF) systems offer many advantages in K–12 school system applications, including individual temperature control for rooms and opportunity for heat recovery and efficient operation of buildings. This column presents two case studies in which VRF systems were installed in high schools with successes, challenges and lessons learned. [Read more](#)

Using a Human Health Standard for IAQ Management

By Stephanie Taylor, M.D.

There is a lack of data concerning the impact of indoor air quality (IAQ) on health outcomes. Correlating indoor exposure with health-related effects is also a challenging undertaking. In this column, an IAQ Health Standard based on medical data is proposed to meet the need of this growing area of interest in engineering and medical science. [Read more](#)

Poland’s Lower House Approves Law to Ease Wind Turbine Requirements

Poland’s lower house approved (231-209) a new law that allows wind turbines to be built no less than 700 meters from houses. This new law would replace the current restriction of a minimum of 10 times the turbine’s height. The current law has stymied the development of wind energy in Poland, offering almost no suitable locations for new projects. The initial limit of the new law was set at 500 meters, but was increased to 700 meters to garner the votes needed to pass. The law will still need approval from the Polish Senate and from President Andrzej Duda.

EPA Opens RFI for Embodied Carbon

The U.S. Environmental Protection Agency (EPA) announced it is seeking input from public stakeholders on how to best invest \$350 million included in the Inflation Reduction Act (IRA) to reduce embodied greenhouse gas (GHG) emissions. In addition to providing an opportunity to submit written comments (RFI listed [here](#). Deadline: May 1, 2023) the EPA is hosting two more public engagement webinars for different topics on reducing embodied GHG:

- ◆ **April 19, 2023, 2:00 – 3:30 p.m. EST: Reducing Embodied Greenhouse Gas Emissions: Carbon Labeling** – This webinar will ask for feedback on how EPA could develop a carbon labeling program for construction materials and products with substantially lower embodied greenhouse gas emissions. [Register here](#)

EPA has issued a Federal Register notice seeking answers to a range of questions related to embodied carbon. Comments on any of the questions outlined should be submitted to docket EPA-HQ-OPPT-2022-0924 on www.regulations.gov by May 1, 2023.

ASHRAE Awards \$163,000 in Equipment Grants to Fund 34 Undergraduate Projects

ATLANTA (March 7, 2023) – ASHRAE will award a total of \$163,000 for 2023-24 academic year to fund 34 projects through [ASHRAE Undergraduate Program Equipment Grants](#).

The ASHRAE Undergraduate Program Equipment Grants provides grants to engineering, technical and architectural schools worldwide. Its goal is to increase student knowledge, learning and awareness of the HVAC&R industry through the design and construction of senior projects. Grants are used to fund equipment and supplies from one academic term up to one year.

“We hope that the projects funded through the ASHRAE Undergraduate Program Equipment Grants will provide students with an invaluable learning experience and also serve as an instrument of advancing HVAC&R innovations. Congratulations to the selected schools.” said Mai Anh Dao, chair of the ASHRAE Student Activities Committee.

A total of 77 applications were submitted for the grants and seven countries were represented among the projects selected. Successful projects were chosen based upon the following guidelines: relevance as an ASHRAE-related topic; long-term student impact of the project; amount of funding requested; and the participating students’ involvement with ASHRAE.

The two highest ranking project teams will be invited to present their projects during the Student Program at the [2024 ASHRAE Winter Conference](#), taking place January 20-24, 2024 in Chicago. For more information about the program, please visit ashrae.org/grants.

ASHRAE Recognizes the Support of the RP Campaign’s Major Donors, Several RP Milestones

During the 2023 ASHRAE Winter Conference President’s Lunch, ASHRAE recognized the ongoing support of the Research Promotion (RP) Campaign’s major donors and several RP milestones. Since 1959, ASHRAE has invested more than \$150 million into research projects, grants and awards that further industry research, education, scholarship and society activities. The Benefactor, Platinum Circle, and Golden Circle Investors are the backbone of ASHRAE Research and the annual campaign that support ASHRAE’s many programs. [Read more](#)



In Memory of Hal Levin

Hal Levin, a pioneer and leader in the field of indoor air quality and building ecology, died in Laveno, Italy, on February 21, 2023. Hal was born in Portland, Oregon on October 6, 1941, the son of Mollie Schnitzer Levin and Bernard Levin. Levin’s lifelong love of baseball began in Beverly Hills, Calif., where he played Little League through high school. He attended Cornell University before transferring to the University of California at Berkeley, pitching on both baseball teams. He continued to pitch throughout his life and pitched in senior leagues until he was seventy-seven years old.

[Read more](#)

ASHRAE News

The conference is organized by ASHRAE, American Institute of Architects (AIA), International Facility Management Association (IFMA), APPA and Building Owners and Managers Association (BOMA).

“The goal of this conference is to bring persons who work in all aspects of building design, construction, operation,

ownership and management into the same room to address how the building industry as a whole can improve the impact buildings have on the global climate crises,” said ASHRAE President-Elect Ginger Scoggins. “Since building design, construction and operation contribute close to 40% of total global emissions of carbon, it is imperative that we all work together to develop a path forward to address our impact”.

The deadline to submit is May 1, 2023. If accepted, presentations will be due September 01, 2023. All speakers are expected to present their work in person at the conference venue. Learn more about the conference at ashrae.org/2023BuiltEnvironment.

Department of Energy Finalizes Energy Efficiency Rule for Air Purifiers, Air Conditioners

The U.S. Department of Energy has issued its first ever energy efficiency rule for [air purifiers](#), while also finalizing a new regulation for [air conditioners](#). The rules will save consumers \$1.5 billion annually on their electricity bills and cut carbon dioxide emissions by over 100 million metric tons over the next 30 years, according to estimates from DOE officials. The new air conditioner rule will take effect in 2026, while the new air purifier rule will be implemented in two stages; the first one will begin in early 2024, and then the second one will be implemented two years later. Both the new regulations apply to newly manufactured and imported products. You can read a full analysis of these two new rules [here](#).

2023 Decarbonization Conference for the Built Environment

October 25-27, 2023

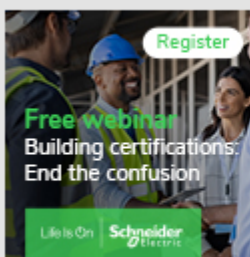
Renaissance Arlington Capital View
Washington D.C. Metro Area

Submit a Proposal

Industry Leaders Seek Presentations for 2023
Decarbonization Conference for the Built Environment



Supplier Webinars



Building certifications: End the confusion

End the Confusion about understanding the different types of Building Certifications available for your customers. What are the key differences between LEED, WELL, Smart Score, UL, and others, that a building can potentially qualify for? What are the different tools that can be used for each of these Building Certifications and how can Schneider Electric help? Join us to learn more.

Available now. [Click here](#) for more info.

ASHRAE News

What 2023 Spending Bills Mean for Green Building

After a few months of partisan stalemate, U.S. Congress voted in December to pass a \$1.7 trillion federal spending bill, which comprised significant victories for green schools, federal buildings, affordable housing standards and other USGBC priorities. This adds to routine, but critically important ongoing funding for programs like the Department of Energy's Building Technologies Office, EPA's Energy Star and GSA's Federal Buildings Fund. Appropriations bills aren't just about funding; they allow Congress to provide direction on how lawmakers expect the funding to be spent. [Read more](#)



The Future of Artificial Intelligence in Buildings

By Zoltan Nagy, Ph.D., and Rania Labib, Ph.D.

Artificial intelligence (AI) has the potential to operate buildings more energy efficiently, sustainably and comfortably. Many potential applications exist for AI in the built environment sector, including building design, building performance optimization, energy management and monitoring and building maintenance and operations. The significance of AI in optimizing the performance of buildings and its applications and limitations are discussed in this work. [Read more](#)

Passive Housing

Passive House, Sustainability Standards Meet Multifamily Development

Passive House principles aren't just for single-family residential anymore. *Building Design+Construction* collected over 20 multifamily projects with a focus on affordable housing. These projects show that multifamily projects can get in on sustainable housing—and maintain affordability, too. Two developments are PHIUS-certified and built to Passive House standards, with one sustainable project powered entirely by PV solar. [Read more](#)

Grand Concourse is PHIUS-certified and will consume up to 70% less energy than conventional housing projects. Credit: © Albert Vecerka/Esto, courtesy REHAU



ASHRAE News

Governor of Arkansas Signs ASHRAE Engineers Week Proclamation

On February 17, Governor Sarah Huckabee Sanders of Arkansas signed a proclamation recognizing National Engineers Week from the ASHRAE Arkansas Chapter. ASHRAE Arkansas Chapter Member Owen Stuckey coordinated the proclamation with the Governor's office, and multiple chapter members were able to meet with Secretary of State John Thurston in person at the State Capitol. A copy of this proclamation and more information on other proclamations can be found on the ASHRAE website [here](#).

ASHRAE Sends Letter on Environmental Tobacco Smoke in New Jersey

On March 8, ASHRAE sent a letter in support of New Jersey Assembly Bill 2151, which proposes to eliminate an existing exemption for casinos and simulcasting facilities from the state's indoor smoking ban. ASHRAE's position is that the only means of avoiding negative health effects and eliminating indoor environmental tobacco smoke exposure is to ban all smoking activity inside and near buildings. A letter was also previously sent on February 10 in support of the Senate version of the bill.

ASHRAE Sends Letter on Proposed North Carolina Energy Code Update

On March 13, ASHRAE sent a letter in support of the pending adoption of the 2024 North Carolina Energy Code. This includes the 2021 IECC and ASHRAE Standard 90.1-2019, [Energy Standard for Buildings Except Low-Rise Residential Buildings](#). This update was considered by the North Carolina Building Code Council at a meeting on March 14. Written comments on the proposal will be accepted until April 17. More information on the code update can be found [here](#).

ASHRAE Job Board

Life Science Commissioning Project Engineer FST
Technical Services; Charlotte, N.C.

Mechanical Engineer/ Designer Allen + Shariff;
Columbia, Md.

**Air Conditioning, Heating and Refrigeration
Technology Faculty - (AHR-23)** Oakton College; Des
Plaines, Ill.; Skokie, Ill.

Engineering Project Manager HGA; Wisconsin, U.S.
Project Manager/ HVAC Design Engineer Winona
Heating & Ventilating Co.; Rochester, Minn.

Electrical Engineer (PE) Evergreen Engineering, Inc;
Atlanta, Ga.

Director of Design and Construction Slippery Rock
University; Slippery Rock, Pa.

Flight Control Systems Engineer Bell Flight; Fort
Worth, Texas

Sr HVAC Operating Engineer JLL; Houston, Texas
Design Engineer II - Electrical Fluor Corporation;
Greenville, S.C.

[View All](#)

ASHRAE News



2023 ASHRAE Annual Conference 

June 24-28, 2023
Tampa, Florida

Register Today!

The banner features a blue background on the left with white text and a palm tree icon. On the right, there is a photograph of a modern city skyline at dusk with the ASHRAE logo overlaid in the top right corner.

ASHRAE is headed to Tampa, FL for the [2023 ASHRAE Annual Conference](#). Join us as we welcome new Society Officers, kick back at social events, and explore solutions to the demands of our ever-changing industry. Register before April 30 for the best rates.

Energy Efficiency in Data Centers

ASHRAE's Manager of Codes, Emily Toto, and Assistant Manager of Standards, Thomas Loxley, speak with Marcus Hassen, P.E., Chair of SSPC 90.4; and Bob McFarlane and Terry Rodgers, founding members of SSPC 90.4; about data centers' energy efficiencies as well as the committee's latest publication: Standard 90.4-2022.

Left Bob McFarlane; Terry L. Rodgers; Marcus Hassen



[Play Episode](#)



Join Lucy on an Engineering Adventure!

Grab your hard hats and let's go on Lucy's Engineering Adventure, a new children's book from ASHRAE! With its rhymes and beautiful illustrations, this book is a great introduction to building and HVAC engineering through a young girl's visit to an unfinished building. Follow along as Lucy goes to work with her father and learns how beams and columns, electrical systems, and HVAC ducts work like the human body to make buildings what they are. Read more...