



DAYTON CHAPTER

WWW.DAYTONASHRAE.ORG

ISSUE II | 2022

CURRENT OFFICERS

PRESIDENT

Matt Dill

Matthew.dill@victaulic.com
Victaulic

PRESIDENT-ELECT

Jennifer Eller

jmeller@heapy.com
Heapy

TREASURER

Trent Hayden

thayden@energyoptusa.com
Energy Optimizers, USA

SECRETARY

Zak Schultz

zak.schultz@ferguson.com

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&



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February 9th Hybrid Meeting!!!



Main Presentation: Latest Trends In Refrigeration System Architectures for Supermarkets and Food Service
Presenters: Rajan Rajendran & Mike Saunders



Rajan Rajendran, Global Vice President of Environmental Sustainability – Emerson Climate Technologies & Mike Saunders, Senior Lead Innovation Technologist – Emerson Climate Technologies

Theme: Membership Promotion / Joint HARDI Meeting

**Held at: The Helix Innovation Center by Emerson
40 W Stewart St, Dayton, OH**

Social Hour: 11:30 AM to 11:45 AM

Chapter Business/Instructions: 11:45 AM—Noon

Main Presentation: Noon

Topic: Refrigeration codes and standards are ever evolving. Recent changes (both proposed and final) in UL 60335-2-89 and ASHRAE 15 allow the use of flammable refrigerants (A2L, A3) in commercial refrigeration. With the drive to lower the carbon footprint of supermarkets, new refrigerant options are allowing more choices for sustainable system solutions for supermarkets. Natural refrigerants are a viable option for many, and are a part of this basket of choices. This talk will to review and discuss the latest in regulations, standards and codes, refrigerant approvals, and their impact on sustainable low GWP supermarket refrigeration system architectures.

Join Zoom Meeting Information:

<https://us02web.zoom.us/j/83563917108?pwd=UWp3UjNNeXliMEs4WENpaHhSRlpVZz09>

Meeting ID: 835 6391 7108

Passcode: 722449

Please email Vincent Caudill at vcaudill@ecomfortohio.com or by calling 740-971-7795 to **sign up by Feb. 4th**. Please indicate if you are joining in person or by zoom. The meeting information will be sent out closer to the meeting date.

FROM THE PRESIDENT

Our Annual Holiday Party has been rescheduled to Saturday, February 19th. The holiday party will be held at the Engineers Club from 5:30-8:30. We hope to see everyone there.

Our next chapter meeting is scheduled for Wednesday, February 9th. This meeting is being held at The Helix Innovation Center by Emerson. Rajan Rajendran and Mike Saunders will be presenting on The Latest Trends in Refrigeration System Architectures for Supermarkets and Food Service. The February meeting will be a joint meeting with HARDI.

Our 2022 Golf Outing is scheduled for Friday, May 27th, at Pipestone Golf Course. Additional details coming soon.

Please reach out to a member of the board if you are interested in getting more involved with the Dayton Chapter.

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

Upcoming Events

Feb 9th

ASHRAE Chapter Mtg.
11:30 AM, Hybrid Meeting

Feb 16th

Board of Governors
8:00 AM, Virtual Meeting

Feb 19th

ASHRAE Holiday Party
5:30pm - 8:30pm

Mar 9th

ASHRAE Chapter Mtg.
11:30 AM, Hybrid Meeting

Mar 16th

Board of Governors
8:00 AM, Virtual Meeting

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

CHAPTER HISTORY (2007-2008)

President:	Greg Cohron	Ramsey Cohron
President:Elect:	Lorraine Kapka	Sinclair Community College
Secretary:	Colleen Haun	Ramsay Cohron
Treasurer:	Jeremy Fauber	Heapy Engineering
Membership:	Joe Ferdelman	Heapy Engineering
Historian:	Tom Ferdelman	Heapy Engineering
RP:	Dennis Lammlein	Signature Technologies
Student Act.:	Russell Marcks	Sinclair Community College

Meetings were held at the Dayton Engineers Club.

CRC Held in Grand Rapids, Michigan

Tour & Refrigeration Night: EJ Nutter Center & Hockey Game

Committee Chairs

MEMBERSHIP

Vincent Caudill

Vcaudill@ecomfortohio.com
Environmental Comfort, LLC

HISTORY

Bryan Schenck

Brian.Schenck@waibelenergysystems.com
Waibel Energy Systems

COMMUNICATIONS

Nathan Lammers

Nathan.Lammers@waibelenergysystems.com
Waibel Energy Systems

RESEARCH PROMO

Tom Mastbaum

tom.mastbaum@tem-associates.com
TEM Associates, LLC.

STUDENT ACTIVITIES

Russell Marcks

Russell.marcks@sinclair.edu
Sinclair Community College

CTTC

Evan Nutt

ENutt@elitaire.com
ElitAire

GOVERNMENT AFFAIRS

Paul Hawkins

Paul.Hawkins@waibelenergysystems.com
Waibel Energy Systems

YEA (Chair)

Phillip Reid

PAReid@heapy.com
Heapy

Board of Governors

Rick Pavlak

Heapy

Lorraine Kapka

Sinclair College

Evan Nutt

ElitAire

MEMBERSHIP

New Members

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



January:

Dr. Juan Catano
Brandon Quigley
Isaac Maurer

Andrew Estes
Scott Eardley
Daniel Benjamin

Justin Miles
Jerry Hsu
Sahil Rajan

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!

1 Year: Nadya Bochenek Nicolas Anderson
Heather Shumaker Robert Durham Andrew Hefin

10 Year: Timothy Benjamin



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

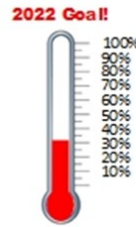
ASHRAE RP

Happy Valentines Day! We over halfway through the ASHRAE fiscal year and we need your help to reach out goals. If you have not donated, now is the time to do so in order to receive the recognition that you deserve as a supporter of ASHRAE. Please consider donating to ASHRAE RP / Education / Scholarships. See the link BELOW to donate today! The ASHRAE Year ends on June 30, 2022, so there is still plenty of time to donate. Happy Holidays to all and may your new year be successful!

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 = \$ 6,400
To go = \$ 13,280

% to GOAL: 32%



Partner Level

Honor Roll

Bronze Level

Steve Meier
Tom Mastbaum
Evan Nutt
Brian Turner
Lorraine Kapka
Trent Hayden
Russell Marcks
Vince Caudill
Kyle Schroeder
Bryan Schenck
Zak Shultz
Jennifer Eller
Matt Dill

Uptime Solutions

Silver Level

Waibel Energy

Honorable Mention

Keith Strayer
Jeremy Fauber

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!!



Dayton ASHRAE Holiday Party



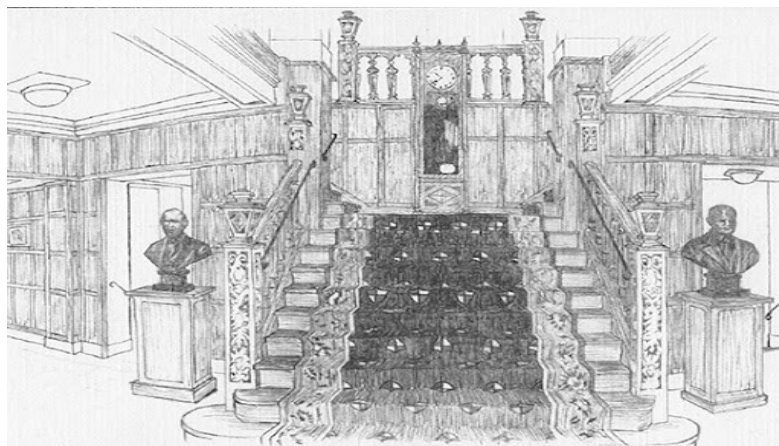
*At the Historic
Engineers Club of Dayton
110 E. Monument Ave.*

Saturday February 19, 2021 5:30 pm to 8:30pm

To RSVP email Vincent Caudill at
vcaudill@ecomfortohio.com or by
calling 513-512-5359.

Please sign up by February 11th.

*~Join us for an enjoyable evening out of
Friends, Good food, Wine paring and fun ~*



ASHRAE News

Be a Part of ASHRAE's First Career Fair

The Student Activities committee is excited to announce the first ever international Virtual Career Fair from February 7-14, 2022. This unique event will give employers exposure to students across national and international borders with a focus on the HVAC&R industry. This event will help you promote your position whether you are looking for a summer student, internship, co-op or full-time hire. The event will be hosted over the course of a week. During this time students can visit virtual booths based on geographical location and filter by types of business within HVAC&R. They can read about your company and find out about your role. Wednesday February 9th, 2022 will be the live day where students can arrange a video chat to speak with one of your booth hosts. If you are not able to be in the booth at that time, there are also private messaging features within the platform.

[Register Here](#)

The advantages to your company are:

Low cost compared to an in-person career fair – Normally a company will incur expenses for the booth, in addition to expenses for one or more representatives to attend in person. This virtual platform saves the costs of flights, hotels, and shipping costs for booth material. You will only incur the registration fee.

- **HVAC&R focus** – This event will be entirely focused on HVAC&R. Applicants will have a keen interest in this field.
- **Large talent pool** – Your company will be able to reach thousands of HVAC students not only across the USA but throughout the world. Finding the right person will become much easier with lower effort.
- **Corporate exposure** – your company will have exposure on a global scale.
- **Low burden to the employer** – The virtual booths are easy to set up and maintain

Member to Member Connection: Mental Health and the Pandemic

The first Member to Member Connection of 2022 is a bit of a change in direction and contains an important message for everyone. In the video, 2021–22 ASHRAE President Mick Schwedler gets real about the pandemic and the importance of mental well-being. Watch or listen today and share with anyone you think would benefit from hearing Mick's message. New videos drop the first Thursday of each month and previous videos can be seen in a [comprehensive list](#) here.



ASHRAE News

ASHRAE Presidential Member Kent Peterson Co-Chairing Federal Building Decarbonization Task Group

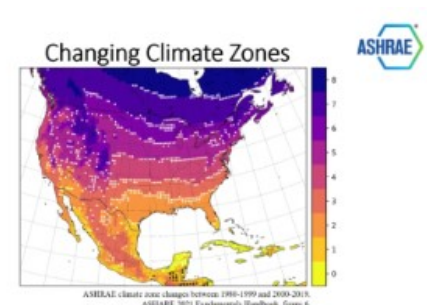


At the Green Building Advisory Committee's (GBAC) Federal Building Decarbonization Task Group meeting on January 10, it was announced that ASHRAE Presidential Member Kent Peterson will be co-chairing the task group with Clay Nessler of the World Resources Institute. Peterson is also a member of ASHRAE's Task Force on Building Decarbonization and is Chair of ASHRAE's Building Decarbonization Position Document Committee.

The Federal Building Decarbonization Task Group will be providing recommendations to the Green Building Advisory Committee, of which Peterson is also a member. GBAC was established by the Energy Independence and Security Act of 2007 to provide independent policy advice and recommendations to the U.S. General Services Administration's Office of Federal High-Performance Buildings. **Congratulations, Kent and thank you for serving in this capacity!**

ASHRAE Experts Participate in NOAA "Listening Session" from the Architecture and Engineering Industry

On January 18, three ASHRAE experts participated in a NOAA listening session to inform the agency on how to improve its data collection, analysis, and dissemination to improve the performance of architects and engineers in the design, construction, and operation of buildings. Dr. Druary Crawley, Chair of ASHRAE Standard 169, *Climatic Data for Building Design Standards* and Director-at-Large, ASHRAE Board of Directors, Elizabeth Tomlinson, Chair of ASHRAE Climate Change Handbook Chapter and Member of the ASHRAE Government Affairs Committee, and Dr. Michael Roth, Chair of the ASHRAE Climate Information Technical Committee, presented before NOAA leadership, including Dr. Richard Spinrad, NOAA Administrator, who stayed for the entire two-hour session. The ASHRAE experts emphasized the importance of NOAA continuing to provide high-quality data collected from more than 9,000 locations internationally, which ASHRAE uses in developing climate tables, histograms, and trend analysis to inform its standards and design guidance. Crawley stated that ASHRAE has been working for more than 40 years with NOAA, and this relationship has resulted in regular climatic updates for ASHRAE's Handbooks and Standards. Tomlinson noted that the Climate Zones in the U.S. have been changing over time, and these changes are documented in the ASHRAE 2021 *Fundamentals Handbook*. Tomlinson also discussed recommendations for licensed professionals to consider the implications of changing climate conditions in their professional practice.



Face-To-Face ASHRAE HVAC Design Training is Back!

Our first in-person training of the year will be hosted in ASHRAE Headquarters from March 7 to March 11. Registration is already available. The training is divided into 2 levels:

[More Info](#)

Level I – Essentials | 7 – 9 March 2022: Provides participants with instruction that accelerates their transformation into effective members of a design, construction or facilities maintenance team. Developed by industry-leading professionals selected by ASHRAE, the training provides attendees with the fundamentals and technical aspects of HVAC design. Attendees will gain practical skills and knowledge to design and maintain HVAC systems that can be put to immediate use.

In addition to gaining in-depth knowledge and understanding, attendees will receive real-world examples of HVAC systems based on the renovated ASHRAE Headquarters building. The training also teaches a systematic approach to guide a design team to a solution that optimally meets the client's expectations. Engineered drawings of the ASHRAE Headquarters renovation will also be discussed so participants are exposed to plan reading and visual understanding of system design.

Level II – Applications | 10 – 11 March 2022: Provides participants with instruction on HVAC system design. The training is tailored for engineers with advanced experience in the HVAC design field, or those who have completed HVAC Design: Level I – Essentials. Developed by industry-leading professionals, the training provides advanced information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

European Union Poised to Label Gas as Green Energy Alternatives

A draft of the EU's green energy taxonomy submitted to the European Commission's advisory group on sustainable finance hints that the EU is considering classifying projects involving fossil fuels as sustainable investments. This proposed text was met with objection from investors and global asset management firms, highlighting the inclusion of natural gas in the taxonomy would compromise Europe's climate ambitions given that natural gas is a fossil fuel and not a clean energy source.

The EU taxonomy assists investors in identifying and financing sustainable development and aims to put the EU on the path to achieving net-zero greenhouse gas emissions. The EU gets 22% of its energy from natural gas, and to meet its climate targets, the European Commission recommends cutting fuel use by 37% by 2030.

EU member states are divided on whether natural gas should qualify as sustainable. This text, when accepted, will be submitted to the European Parliament and Council. There will then be a four-to-six-month review of the document where it can be accepted or objected to.

More information on the EU's views on gas can be found [here](#).