

Upcoming Events

- Wednesday, October 11th, 5:30 PM
 - Monthly Meeting
- Wednesday, October 18th, 5:00 PM
 - YEA ABC Pumpkin Carving

SWFL ASHRAE Chapter Meeting Announcement

Date: Wednesday, October 11th, 2023
Location: CROWNE PLAZA AT BELLTOWER SHOPS
Start Time: 5:30 p.m. to 6:30 p.m. **Networking**
 6:30 p.m. to 8:00 p.m. **Dinner meeting and main program**
Cost: COST: \$35.00 PER ATTENDEE – RESERVATIONS ARE A MUST
 NO COST FOR COLLEGE STUDENTS WITH A VALID STUDENT I.D.
 Pre-Pay via www.paypal.com to swfl.ashrae@gmail.com
 RSVP by 11OCT23 via the following link : <https://forms.gle/jzUjMJdHFPXE2ALA7>

Main Program: The Indoor Air Quality Procedure

This presentation is an exploration into air cleaning technology pathways through ASHRAE 62.1. We'll discuss how it can improve energy efficiency, the methodology behind its application, and comparisons to the prescriptive Ventilation Rate Procedure. We'll cover the basics of the latest ASHRAE 62.1 2022 standard & even dive into some of its relevant addenda & other ASHRAE standards related to IAQ technology.

- ASHRAE 62.1-2022 Table 6-5 (Contaminants of Concern and associated Design Limits)
- ASHRAE 62.1 2022 Addendum N (Validation of acceptable performance testing, ASHRAE 145.2)
- ASHRAE 241 (ASHRAE infectious disease control methodology standard, effective clean air changes)

Guest Speaker: Ben Goldberg

Ben Goldberg is an Application Engineer at enVerid Systems providing support for integration of HLR (HVAC Load Reduction) Technology in buildings to achieve goals of indoor air quality and energy efficiency. Four and a half years of professional experience as an HVAC Design Engineer working on mechanical system design for a diverse range of new construction and renovation projects in a variety of building verticals nationwide.

Get the Most of Your ASHRAE Membership: Become a Volunteer!

ASHRAE looks to leaders like you to help us develop the technology that enables high performance for the life of buildings and systems. We depend on your practical experience and knowledge base to help us become better prepared and more marketable for the growing industry. Becoming involved with ASHRAE provides you with a single resource for keeping up with technical advances in the industry. By joining, you gain direct access to new technology; universally recognized technical information; and you influence the direction of the built environment. Below are a few ways in which you can get more involved with ASHRAE.

Technical Committees

As a technical committee member, you assist in planning programs for meetings, writing and reviewing Handbook chapters and assisting in developing research projects to improve equipment and system performance. ASHRAE has more than 200 committees addressing a range of built environment disciplines.

Standards Committees

As a standard project committee member, you help write the Society's standards and guidelines, which establish recommended design and operating practices embraced by the built environment community. ASHRAE currently publishes more than 100 standards and guidelines.

Standing Committees

ASHRAE has more than [30 standing committees](#), which aid in operation of the ASHRAE activities at the Society level, such as development of educational courses, approval of research projects and planning of student activities. Volunteers who serve on standing committees must first be nominated.

Society-level Nominations

We are actively soliciting your help in nominating individuals for various leadership positions in ASHRAE. Please follow the links below to view **1)** job descriptions for committee members and **2)** the positions for which nominations are being solicited and to make your nomination. You may nominate yourself or others.

Chapter Level Participation

With more than [199 chapters](#) around the world, volunteering at the chapter level is one of the easiest ways to take part in ASHRAE. Volunteering at the chapter level helps you develop a better understanding of how the Society functions and how to receive the most benefit from your membership while contributing to the growth of ASHRAE. For more information on how to volunteer at the chapter level, contact Tammy Catchings, ASHRAE manager of region activities, at tcatchings@ashrae.org.

Commenting and Writing Opportunities

Volunteerism within ASHRAE is not limited to service on a committee. ASHRAE also provides means for membership involvement by allowing members and others to comment on its publications, Handbook and proposed standards or to submit articles for ASHRAE Journal.

[Learn More!](#)

Upcoming ASHRAE Meetings (Topics TBD)

- November 8th, Lunch
- January 10th, Lunch
- February 21st, Lunch
- March 13th, Dinner
- April 10th, Lunch
- May 8th, Dinner

Refrigeration – Jeff Brooks

A One-Time Poultry Farmer Invents the Future of Refrigeration



By
[Nicola Twilley](#)

BACK IN 2001, a middle-aged man made a video of his car and sent it around to a few friends. So far, so predictable—but this video featured a dilapidated Vauxhall Nova whizzing around a junk-strewn yard in a cloud of fog. At the wheel was Peter Dearman, a rumpled-looking autodidact who had spent the better part of four decades imagining a way to build engineering's ultimate vaporware: a motor powered only by air.

Born in 1951 on an egg farm north of London, Dearman would seem an unlikely candidate to have solved the problem. He left school at age 15 and worked in the family business for a while, then took a job at a local sheet-metal factory. He spent his evenings as many Englishmen do—out in the garage or the garden shed, tinkering. But Dearman's aptitude and ambition set him apart from other hobbyists. Over the years he filed patents for an improved adjustable wrench, a solar hot-water system, and a portable resuscitator that is still used in ambulances today. His most impressive achievement, however, was the Nova, whose engine he cobbled together from string, a used beer keg, a red plastic trash bin, and a coffee can's worth of liquid nitrogen.

[Read More](#)

Research Promotions – Tony Amita

I would like to thank those of you who have already committed to sponsorships for the 23-24 society year.

- Diamond Sponsorship - SWFL Trane
- Gold Sponsorship - Tom Barrow Company, Commercial Air Management, Manhattan Construction Florida

We would encourage anyone who values their membership in SWFL ASHRAE to review the many benefits of sponsorship detailed in the annual sponsorship letter attached at the end of this newsletter.

If you have agreed to be a 23-24 sponsor and do not see your name listed above, please reach out. Tamitia@bandiflorida.com (239)470-5036.

Thank you, we appreciate your continued support.

Student Activities – Gary Devore

Upcoming Event Notice: STEM@Work Kick Off Mtg

Topic: STEM@Work Process for this school year
Time: Tuesday, October 3, 2023 10:30 AM-11:30 AM
Location: Conference Room - 2nd Floor (B&I Office)
Meeting Agenda:

Discuss the process of STEM@Work Experience for this school year (including the High Schools below).
Any changes wanted or needed? Feel free to reach out to gdevore@bandiflorida.com if you have any suggestions for this upcoming meeting.

- ❖ Island Coast HS – October 11th
- ❖ Cypress Lake HS – November 15th
- ❖ Riverdale HS – January 18th



Our focus on STEM began with the notion that students need more opportunities in the areas of Science, Technology, Engineering, and Math related fields. The National Science Foundation estimates that 80% of the jobs created in the next decade will require some form of math and science skills.

Our STEM Initiatives are a collaboration between the Foundation and the School District of Lee County. Funded through the generosity of our business partners, this initiative offers students the opportunity to participate in field trips and internships, as well as experience hands-on activities through partnerships with businesses in the community.

Membership Promotion – Sidney Feldman

Please take the time to welcome our newest chapter members, Clay Nesler and Kevin Jewell. Clay works for Johnson Controls Inc. and Kevin is a new Estimator for B&I, we hope to see them at future events.

ASHRAE Social Media

Follow us on Instagram!



Government Affairs – James Martin

Millions of Americans Deal with Extreme Heat in August, Schools Close and Dismiss Early

Over the past few weeks, schools across the nation have dismissed their students early or cancelled classes entirely as a heat dome that sat over the Midwest in late August and over the East Coast in early September has kept temperatures unseasonably high. High temperatures and poor ventilation in schools are associated with lower test scores and academic performance, higher absenteeism, and negative health outcomes for students. Subsequently, it is of great concern that a [U.S. Government Accountability Office study](#) from June 2020 found more than 36,000 schools need updates or replacements to their HVAC systems; [a study in 2021](#) from the Center for Climate Integrity found more than 13,700 K-12 public schools that didn't need cooling systems in 1970 will need them by 2025. [ASHRAE Standards](#) for [ventilation and indoor air quality](#), [thermal comfort](#), [maintenance](#), and [energy efficiency](#) can all be part of the solution as state governments help improve the built environment for students. To learn more about how to get involved with ASHRAE's advocacy efforts, please contact GovAffairs@ashrae.org.

Better Indoor Air Quality Will Help Keep Schools Open

The COVID-19 pandemic led to repeated closures at tens of thousands of schools across the nation, and subsequently drastically lowered educational achievement. Poorly ventilated, aging public school buildings proved an ideal environment for the virus's transmission. The average American school building is about fifty years old, and roughly 40% of school buildings need an update to their HVAC system, according to a [U.S. Government Accountability Office study](#). Schools with modern HVAC systems and better indoor air quality saw a 40% lower infection rate, according to a [CDC study](#). Further studies indicate that improving ventilation while also adding filtration measures yields even better health results. With these facts taken together, a clear conclusion emerges: using extant federal funding such as the American Rescue Plan and the Inflation Reduction Act to improve indoor air quality in schools will help reduce disease transmission and help keep schools open going forward. You can read the full article in the New York Times [here](#), where they cite ASHRAE's new [Standard 241](#) as an ideal tool for schools to use to protect students."

History – Jason Hardman

September 2023 Monthly Meeting



ASHRAE

ASHRAE Merchandise

Shop your favorite ASHRAE logo merchandise below. From hats and polos to car magnets and tumblers, we have all the gear you need to show off your ASHRAE pride.

Regions and Chapters are welcome to email merchandise@ashrae.org with questions about ordering items at-cost or in bulk if stock is available.

[Get Your Merch Today!](#)

Featured Jobs

- ❖ ECAD Librarian
- ❖ Safety Analyst
- ❖ Mechanical Engineer PE
- ❖ Associate Industrial Hygienist
- ❖ Cal/OSHA Mining and Tunneling Senior Safety Engineer
- ❖ Mechanical Design Engineer 5
- ❖ Structural Field Engineer
- ❖ Project Manager / Senior Project Manager
- ❖ Assistant Safety Engineers
- ❖ Cal/OSHA Asbestos and Carcinogen Unit Senior Safety Engineer



[Apply Here](#)

Southwest Florida YEA is supporting a Pumpkin Carving event with ABC at Riptide Brewing see flyer for more information.



ABC YOUNG PROFESSIONALS

PINTS & PUMPKINS

Join us for our first ABC Young Professionals Pumpkin Carving Contest!

- Show us your pumpkin carving skills, or just come out to watch. Competition starts at 5:00pm and all pumpkins must be completed by 6:30pm
- Bring Your Own Pumpkin (you are welcome to bring additional tools, props or decorations)! We will provide basic carving tools and two drink tickets
- A panel of judges will award prizes that evening and you can take your pumpkin home with you

CATEGORIES: Most Creative Construction, Funniest, Scariest

COST:

ABC Registered Young Professionals: \$25

ABC Member: \$35

OCTOBER 18 | 5 - 7PM | RIPTIDE BREWING



August, 2023

From: ASHRAE Southwest Florida Chapter

Subject: ASHRAE Southwest Florida Sponsorship Opportunities for 2023-2024

The ASHRAE Southwest Florida Chapter RP fund-raising events are excellent sponsorship opportunities. Your company reaches many key decision makers and sends a strong message of supporting the research that the community relies upon for comfort and sustainability.

The Southwest Florida Chapter is continuing to make sponsorships even easier by offering levels that include the promotion of your company at all chapter events! If you are unable to contribute at one of these levels, sponsorship opportunities for the Golf and Fishing tournaments will be offered separately before each event!

Go To: <https://www.swflashrae.org/sponsorship> for an on-line payment option!

Annual Sponsorship Levels

Diamond Level - \$6,000 (Savings: \$825)

One Available

- "Happy Hour" Sponsorship - One drink ticket per attendee with sponsor's logo (Value: \$2,000)
 - Swag distribution during happy hour by reception chair (Value: Priceless)
- Golf Tournament: Gold Sponsorship Package (Value: \$1,750)
 - (8) Player Entries, (1) Tee Sponsorship, (1) Flag Sponsorship, (8) Mulligans, (1) Arm Length Raffle, (8) Putting Contest Entries
- Fishing Tournament: Gold Sponsorship Package (Value: \$500)
 - (4) Entries, Company Logo on Shirt, and special recognition
- Tech Topic Presentation (Value: \$250)
- A Complimentary Fishing Charter (Value: \$1,000)
- (15) Monthly Meeting Tickets (Value: \$525)
- (2) Meeting Sponsorships (Value: \$500)
- Signage at each monthly meeting (Value: \$100)
- (10) Yeti Raffle Tickets (Value: \$100)
- Logo on Monthly Newsletter (Value: \$100)

Gold Level - \$3,000 (Savings: \$300)

- Golf Tournament: Gold Sponsorship Package (Value: \$1,750)
 - (8) Player Entries, (1) Tee Sponsorship, (1) Flag Sponsorship, (8) Mulligans, (1) Arm Length Raffle, (8) Putting Contest Entries
- Fishing Tournament: Gold Sponsorship Package (Value: \$500)
 - (4) Entries, Company Logo on Shirt, and special recognition
- Tech Topic Presentation (Value: \$250)
- (10) Monthly Meeting Tickets (Value: \$350)
- (1) Meeting Sponsorships (Value: \$250)
- Signage at each monthly meeting (Value: \$100)
- Logo on Monthly Newsletter (Value: \$100)

Silver Level - \$1,500 (Savings: \$175)

- Golf Tournament: Silver Sponsorship Package (Value: \$1,000)
 - (4) Player Entries, (1) Tee Sponsorship, (4) Mulligans, (1) Arm Length Raffle, (4) Putting Contest Entries
- Fishing Tournament: Silver Sponsorship Package (Value: \$300)
 - (2) Entries, Company Logo on Shirt
- (5) Monthly Meeting Tickets (Value: \$175)
- Signage at each monthly meeting (Value: \$100)
- Logo on Monthly Newsletter (Value: \$100)

Bronze Level - \$1,000 (Savings: \$150)

- Golf Tournament: Tee Sponsorship (Value: \$500)
- Fishing Tournament: Bronze Sponsorship Package (Value: \$200)
 - (1) Entry, Company Logo on Shirt
- (2) Entries in either Golf or Fishing Tournaments (Value: \$250)
- Signage at each monthly meeting (Value: \$100)
- Logo on Monthly Newsletter (Value: \$100)

Officers 2023-2024

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Robin Bryant

Jason Hardman

Research Promotion

Tony Amitia

Membership Promotion

Sidney Feldman

Golf and Fishing Tournament Flyers will be distributed ahead of each event if you are interested in event-specific sponsorship packages.

If you wish to be a 23-24 ASHRAE Sponsor or have any questions about the process please reach out to:

**Tony Amitia
(239)470-5036
tamitia@bandiflorida.com**

We greatly appreciate your assistance and support.



Certified

ASHRAE Certification

Advance Your Career Today!

NEW!
DIGITAL BADGING

Helps you get the recognition
you've earned.



With already more than 3,000 certifications earned to-date, ASHRAE programs were founded to meet the industry needs of today and provide value to thousands of built-environment professionals, employers and building owners.

[ashrae.org/certification](https://www.ashrae.org/certification)