

September 2019 Newsletter



PRESIDENT'S MESSAGE.....	2	COMMITTEE CHAIRS.....	15
CHAPTER EVENTS CALENDAR	3	ASHRAE LEARNING INSTITUTE.....	16
CHAPTER MEETINGS.....	4	ASHRAE HVAC DESIGN TRAINING.....	17
GOVERNMENT AFFAIRS COMMITTEE	6	ASHRAE TECHNOLOGY AWARD.....	18
HISTORIAN	8	ASHRAE RESOURCES AND PUBLICATIONS	19
YEA.....	11	HOW TO JOIN ASHRAE	20
MEMBERSHIP PROMOTION.....	12	WEBSITES REFERENCE LIST	20
RESEARCH PROMOTION	13	JOB OPPORTUNITIES	21
CHAPTER OFFICERS.....	14	SOCIAL NETWORKING	21

President's Message

September 2019

Thank you to everyone who made it out to the September meeting to help kick off the new ASHRAE year. We had great attendance, and we continue to encourage everyone to bring new members and co-workers out. If you missed it, we are now doing a monthly raffle to help encourage attendance, as well as a raffle for anyone who carpoled or took alternative means of transportation to the meetings, so keep all of that in mind.

Back by popular demand, this upcoming meeting will be our first panel discussion of this ASHRAE year. This time we are discussing Effective Building Operations, with a wider range of panelists from owners to designers and everyone in between. Please come with plenty of questions and comments to be a part of the interactive panel.

On another training and continuing education note, we mentioned at the last meeting that we will be holding a Legionella technical seminar in light of the recent events here in town. This will be a FREE 1-hour seminar starting at 1:30 immediately following the October lunch meeting (10/8/19). We will have subject matter expert Trace Blackmore speaking, and he will provide us a technical overview of the bacteria and ways we as an industry we can help prevent it, not just by design, but also how we can bring awareness to our end users.

Lastly, I want to continue my focus on young engineers and students. We will have our monthly cocktail hour on September 26th at Gate City brewing, so we encourage anyone that's new to ASHRAE to come out and meet our local chapter. We also continue to have multiple scholarship opportunities for anyone you know that is pursuing a technical degree. Please reach out to us if you know of anyone that is looking for these opportunities.

Again, thanks for all the support we continue to get from you guys in our chapter. We have some great Fall event coming up, so continue to be on the lookout for reminder emails and check the website. I look forward to seeing everyone at the October meeting!



Parker Brunelle

Atlanta Chapter President 2019-2020

president@ashraeatlanta.org

www.ashraeatlanta.org

Chapter Events Calendar

2019

September

Sept 26 YEA Happy Hour at Gate City Brewing Company ([More info](#))

October

Oct 8 Chapter Lunch Meeting: Panel on Effective Building Operations ([More info](#))

Oct 8 Free Technical Seminar after Chapter Meeting: Legionella and Standard 188 ([More Info](#))

Oct 23 Fall Golf Tournament ([More info](#))

November

Nov 4-8 ASHRAE HVAC Design Training at HQ ([More info](#))

Nov 12 Chapter Dinner Meeting: Dr. Tom Lawrence, Distinguished Lecturer

December

TBD ASHRAE Atlanta Holiday Party

TBD Government Outreach Day at Atlanta City Hall

2020

January

Jan 14 Chapter Lunch Meeting: Building Design Management

February

Feb 1-5 2020 ASHRAE Winter Conference in Orlando, FL ([More info](#))

Feb 11 Chapter Lunch Meeting: Presentation from Darryl Boyce, ASHRAE Society President

TBD Government Outreach Day at Georgia State Capitol

March

Mar 10 Chapter Lunch Meeting: New ASHRAE HQ Presentation and Tour

TBD ASHRAE Atlanta Trade Show

April

Apr 7 Women in STEM Lunch

Apr 7 Chapter Dinner Meeting: Targeting Success - Diversity in Hiring, Dr Julia Keen

Stay up-to-date with all of our upcoming events by visiting the [Chapter Events Calendar](#) on our website!

Chapter Meetings

New drawing: Carpool to chapter meetings! If you carpool, walk, bike, or use public transit (solo rideshare doesn't count!) to the chapter meetings, drop your business card off at registration and enter to win a small prize.

ASHRAE Certifications: Put some more letters after your name! Take a look at the ASHRAE professional certifications, including the new Certified HVAC Designer (CHD). [More information here.](#)

Atlanta Chapter Meeting Notice

When: October 8, 2019, 11:30 AM – 1:00 PM

Where: ASHRAE Headquarters, 1791 Tullie Cir NE, Atlanta, GA

Online Registration: <https://ashraeatlanta.wildapricot.org/event-3552981>

Atlanta Chapter Member: \$10

Society Member / Guests: \$20

Students: FREE

Note: Online registration closes 24 hours before the meeting.

Walk-Up Registration: \$20 regardless of membership status

Panel on Effective Building Operations

Do buildings actually operate as efficiently as designed?

What are building operations best practices?

What's the role of value engineering on building performance?

Are advanced control sequences better? Are they used effectively by building operators?

We will discuss these questions and more on October 8 at our panel discussion. John McFarland of Living Buildings will moderate, with panelists including:

- Building engineer, TBD
- **Tricia Smith**, Automated Logic Controls
- **Marco De Zan**, Mallory and Evans
- **Jason Thompson**, Burton Energy Group



Moderator: John McFarland, Working Buildings LLC

John is a Principal of Working Buildings LLC, which is a total solutions provider offering innovative facility solutions for new and existing facilities to a diverse clientele with strategic interests. He has spent the last 15 years actively serving as a sustainability consultant and commissioning authority working on projects including higher education facilities, hospitals, medical buildings, office buildings, state-of-the-art data centers, and other high-performance and containment research facilities.

Alternative Commuting Door Prize & 50/50 Raffle

If you carpool, walk, bike, or take public transit (no single-occupant ride-share!) to ASHRAE meetings this year, we will put your name in a drawing for a small prize.

We're excited to continue our 50/50 Raffle at this month's meeting. Cash and credit card will be accepted.

Macon ASHRAE Section

When: October 8, 2019, 11:30 AM – 1:00 PM

Registration: RSVP to calloway@insightusa.com
By October 7, 2018

Topic: Panel on Effective Building Operations

Moderator: John McFarland (VC with Atlanta Chapter, details above)

Government Affairs Committee

The Government Affairs Committee organizes ASHRAE members to educate local, state, and national government bodies and officials in areas of interest to ASHRAE members and promotes effective cooperation between ASHRAE members and government. Learn more about advocacy resources: <https://www.ashrae.org/about/government-affairs/public-policy-resources>

Legionella Education and Advocacy Efforts

In response to the Legionnaire's outbreak in Atlanta this summer, our chapter is prioritizing *Legionella* education and advocacy efforts. Thank you to all members who have reached out with suggestions and introductions. We look forward to continuing these conversations throughout the year.

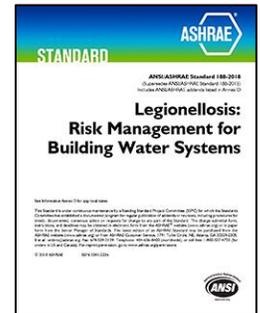
Legionella & Standard 188 Technical Seminar: 10/8/2019 at 1:30 pm – 2:30 pm

Join us for a **FREE** special 1-PDH technical seminar after the October chapter meeting on the basics of Standard 188 and *Legionella*. Local water treatment professional and subject matter expert Trace Blackmore will provide an overview of the bacteria, the disease, and how ASHRAE's standard for risk management is applied in buildings. Please register on the chapter website (<https://ashraeatlanta.wildapricot.org/event-3565103>). Coffee, snacks, and email templates for advocacy outreach will be provided.

Chapter Provides Resources to State and County

The ASHRAE Atlanta Chapter sent letters to the [Georgia Department of Public Health](#) and the [Fulton County Board of Health](#) sharing information about the resources ASHRAE has available to help reduce the risk of contracting Legionnaire's Disease from building systems. These two government departments are examining a recent outbreak of Legionnaire's Disease in a downtown Atlanta hotel.

The letter discussed Standard 188, *Legionellosis: Risk Management for Building Water Systems*, as well as the upcoming Standard 514, *Minimizing Risk of Disease and Injury Association with Building Water Systems*. The Chapter also offered to provide additional technical assistance to these government officials, including answering questions related to building standards, codes, and policies to protect public health.



Learn More about Legionella

ASHRAE has compiled resources from the Centers for Disease Control (CDC) and others on reducing the risk of legionella: <https://www.ashrae.org/technical-resources/standards-and-guidelines/guidance-on-reducing-the-risk-of-legionella>

- [Standard 188-2018: Legionellosis, Risk Management for Building Water Systems](#) - ASHRAE Standard 188 is essential for anyone involved in design, construction, installation, commissioning, operation, maintenance, and service of centralized building water systems and components. More than 10,000 copies have been distributed to date.
- [PreventLD Training](#) - This **free** online training developed by CDC and partners can help individuals create a water management program. PreventLD Training aligns with industry standards like ASHRAE Standard 188-2018 to effectively manage risk for Legionella bacteria.

Podcast fans, check out October speaker Trace Blackmore's ScalingUP! Podcast episodes on Water Management Plans ([episode 83](#)) and general Legionella background with pioneering researcher Dr. Janet E. Stout ([episode 9](#)).

This Atlanta Chapter Newsletter goes by email only to all Atlanta Chapter ASHRAE members along with all other ASHRAE members in our area and anyone else who asks. If you need a change in our email list, please notify our Chapter Secretary at secretary@ashraeatlanta.org

City of Atlanta CBEEO – New Deadline for Benchmarking and Energy Audit Submittals

Do you work with commercial or multifamily buildings over 25,000 sq. ft.? The City of Atlanta's Commercial Buildings Energy Efficiency Ordinance (CBEEO) requires owners of commercial buildings over 25,000 sq. ft. to benchmark their energy and water consumption on an annual basis as well as have an ASHRAE Level 2 energy audit performed every 10 years. These steps identify opportunities to improve the economic and resource efficiency of a building that may otherwise be overlooked. You can view a list of properties covered by the ordinance [here](#). To find out more information visit www.atlantabuildingefficiency.com.



ATLANTA
OFFICE OF
RESILIENCE

The 2019 benchmarking submission deadline is **November 15, 2019**. For properties that are due for an energy audit this year, the summary audit report submission deadline is **December 31, 2019**.

Georgia Energy Code

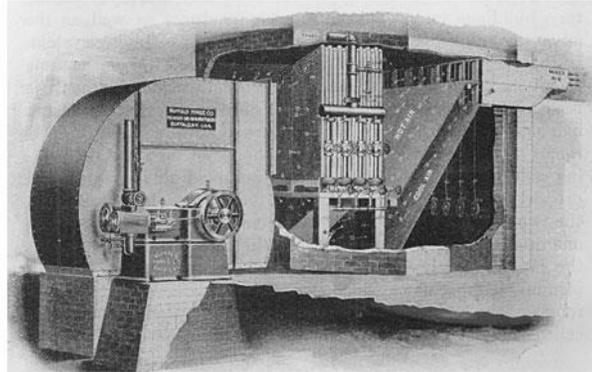
Thank you to Bourke Reeve for the September chapter meeting presentation on Georgia's energy code, with a focus on a building science approach and anecdotes from the field. On January 1, 2020, the 2015 International Energy Efficiency Code (IECC) with Georgia Amendments will go into effect. Our chapter website will soon have a dedicated Energy Code page with links to the resources below:

- [Southface's Commercial Energy Code Training Slides from September Chapter Meeting](#) (pdf)
- [2015 International Energy Efficiency Code](#) (online free read-only version)
- [Georgia State Amendments to the 2015 IECC](#) (pdf)
- [All other I-Codes](#) (online free read-only versions)
- [Code-referenced ASHRAE Standards](#) (online free read-only versions)
- [Southface's Georgia Commercial Energy Code Field Guide](#) (pdf)

Historian

Invention of Air Conditioning

On July 17, 1902, Willis Haviland Carrier designed the first modern air-conditioning system, launching an industry that would fundamentally improve the way we live, work and play.



This 1902 schematic drawing shows the likely air-conditioning system installed at Sackett & Wilhelms, a Brooklyn, New York, printing company desperate to find a solution to the humidity problems plaguing its printing processes.

The Invention That Changed the World

On July 17, 1902, a young research engineer initialed a set of mechanical drawings designed to solve a production problem at the Sackett & Wilhelms Lithography and Printing Company in Brooklyn, New York. These were not the first drawings that 25-year-old Willis Carrier had prepared on behalf of his new employer, the Buffalo Forge Company. Since graduation from Cornell University a year earlier, this modest but gifted engineer had turned out designs for a heating plant, a lumber dry kiln and a coffee dryer, among others. Such products were the stock-in-trade of Buffalo Forge, a respected supplier of forges, fans and hot blast heaters.

This new design was different—so novel, in fact, that it would not only help to solve a problem that had long plagued printers but would one day launch a company and create an entire industry essential to global productivity and personal comfort.



In this artist's conceptualization, Willis Carrier starts the engine that will drive the world's first modern air-conditioning system, installed in the summer of 1902 at the Sackett & Wilhelms printing plant in Brooklyn, New York. This illustration appeared in the August 1954 edition of Steelways magazine which noted, thanks to Carrier, that "air conditioning spread through the industry like a cool breeze."

The problem began with paper. In the spring of 1902, consulting engineer Walter Timmis visited the Manhattan office of J. Irvine Lyle, the head of Buffalo Forge's sales activities in New York. Timmis' client, Sackett & Wilhelms, found that humidity at its Brooklyn plant wreaked havoc with the color register of its fine, multicolor printing. Ink, applied one color at a time, would misalign with the expansion and contraction of the paper stock. This caused poor quality, scrap waste and lost production days, Timmis said. Judge magazine happened to be one of the important clients whose production schedule was at risk. Timmis had some ideas about how to approach the problem but would need help. Was Buffalo Forge interested?



A 1903 group portrait of the engineers of Buffalo Forge Company includes Willis Carrier (bottom row, third from right) and his future business partner, J. Irvine Lyle (middle row, sixth from left). Carrier, Lyle and five fellow engineers would launch Carrier Engineering Corporation as an independent entity in 1915.

One of Lyle's great skills was his ability to assess new business opportunities, and he grasped this one immediately. He knew that engineers had long been able to heat, cool and humidify air. Sometimes, as a result of cooling, they had also been able to reduce humidity. But precise control of humidity in a manufacturing environment—that was something entirely new. Lyle also had an innate ability for sizing up people. In this case, he believed he knew the engineer who could tackle this problem, a recent Cornell University graduate who had already impressed many people at Buffalo Forge. So, Lyle accepted Timmis' challenge and sent the problem to Willis Carrier, the first step in a long and prosperous collaboration.

Energized by the puzzle, Carrier immediately grasped the issues and began his investigation by means of rigorous testing and intensive data-gathering, hallmarks of his long career. His first test was recommended by Timmis and involved a roller towel with loosely woven burlap saturated with a solution of calcium chloride brine. While the apparatus removed humidity, it added heat, salt and odor to the air, none being acceptable in the printing process.

The Blueprint of an Industry

Carrier then tried his own experiment, replacing steam with cold water flowing through heating coils, balancing the temperature of the coil surface with the rate of air flow to pull the air temperature down to the desired dew point temperature. Even as he worked, Carrier knew that every part of the process—from metal coils prone to rust, to inexact Weather Bureau tables—could be improved. Nonetheless, he and his team moved steadily forward, completing drawings and sending them to Lyle to be implemented.

The first set of coils was installed at the Sackett & Wilhelms plant late in the summer of 1902 along with fans, ducts, heaters, perforated steam pipes for humidification, and temperature controls. Cooling water was drawn from an artesian well that first summer and supplemented by an ammonia compressor in the spring of 1903 to meet the demands of the first full summer of operation. This system of chilled coils was designed to maintain a constant humidity of 55 percent year-round and have the equivalent cooling effect of melting 108,000 pounds of ice per day.

Lyle's bet paid off. On October 21, 1903, he reported in a letter to his home office that, "The cooling coils which we sold this company have given excellent results during the past summer." This confirmed his faith in both the opportunity, and in the exceptional talent of the young engineer who had directed the project. Willis Carrier had demonstrated the intellect, creativity and vision to assemble everything that had gone on before him, improve upon it, and create something entirely new.

The drawings were dated July 17, 1902. After that, nothing would be the same. Modern air conditioning was born.



This drawing, the result of Willis Carrier's groundbreaking design, was submitted to Sackett & Wilhelms on July 17, 1902, and provided the basis for the invention that would change the world, the first modern air-conditioning system.

ASHRAE Winter Conference Volunteers Needed!

Would you like to get complimentary full registration for the huge upcoming ASHRAE Winter Meeting to be held in Orlando, Florida in February 2020? Then sign up now to be a session monitor. The commitment is simple- approximately 3-5 hours of your time to represent our chapter by checking conference attendees in at the educational sessions (you know the folks who scan your badge as you enter the room!). You get to attend and get PDH credit for the sessions that you monitor and interact with attendees for all over the world. This is over a \$500 value (that's over 100\$/hr. for the math challenged!).

If interested or questions - please contact Paul Albers at palbers@peifla.com.

This Atlanta Chapter Newsletter goes by email only to all Atlanta Chapter ASHRAE members along with all other ASHRAE members in our area and anyone else who asks. If you need a change in our email list, please notify our Chapter Secretary at secretary@ashraeatlanta.org

YEA

Are you under 35? Welcome to Young Engineers of ASHRAE! We have multiple activities throughout the year, plus access to training and leadership programs!

Upcoming YEA Event

Join YEA at **Gate City Brewing Company** on **Thursday, September 26th from 5:00-8:30 pm** for a happy hour and beer sampling. Membership Promotion will be giving away ASHRAE "Swag" to YEA members who bring a Non-ASHRAE engineering friend or colleague to this event.



We will be raffling off Gate City Brewing swag as well. Raffle tickets are \$2 each or 3 tickets for \$5 so bring some cash with you and join in the fun!

The cost for admission if you want beer tastings is \$5 if you register early through ASHRAE, or pay for the amount you want at the door. If you aren't looking for any tastings, you can always come and hang out with fellow ASHRAE members and friends at a cool brewery for the always awesome price of \$FREE.

Register at <https://ashraeatlanta.wildapricot.org/event-3547306>

Leadership U

Have you ever wondered what ASHRAE Officers do at the ASHRAE Winter & Annual Conferences? Here is your chance to find out! Through Leadership U, four YEA members are selected for each conference to be matched up with Society Officers and participate in all of their events and board meetings, including social activities. Leadership U not only allows you to experience a conference like an Officer, but it is also a great opportunity to network and form connections with those active in ASHRAE.

If selected to participate in the program, the costs of attending the conference (transportation, lodging and registration) will be covered by ASHRAE Society. Transportation includes the cost of your flight or gas mileage, your hotel room will be covered for a check in on Friday, January 31, 2020 and check out on Thursday, February 6, 2020, and you will be registered for the conference and three social events (Welcome Party, President's Luncheon, Members Night Out). Expenses not covered by the program include baggage fees, parking, taxis/public transportation, and food.

- Criteria: Applicants must be YEA members (35 or younger)
- Deadline: **The deadline for applications in Monday, October 13, 2019.**
- Program Date/Location: Orlando. January 31st – February 6th, 2020

Interested? More information can be found at <https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-events-and-programs/leadership-u>.

Membership Promotion

Raffle at Chapter Meetings

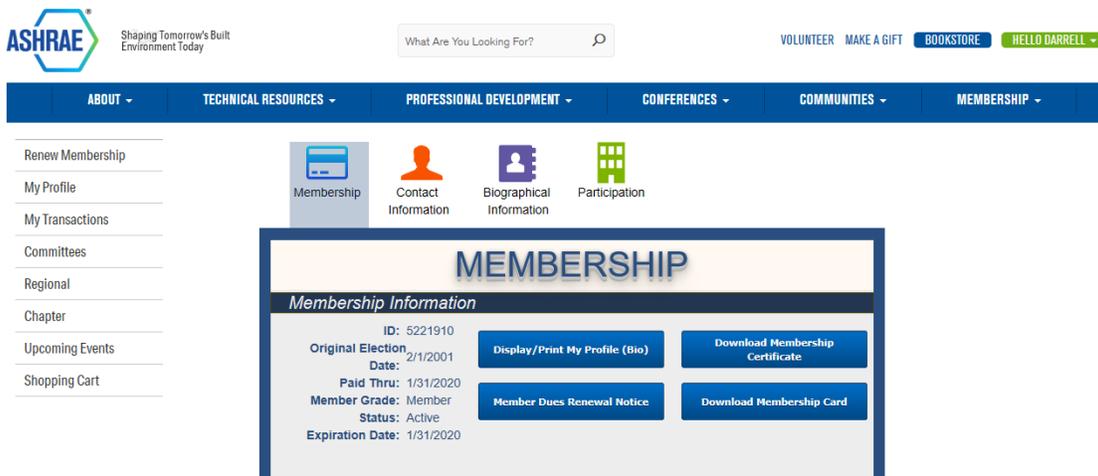
The September meeting was an excellent start to the year! Congratulations to **Doug Gilmore** winner of the September chapter meeting raffle, a \$100 Amazon Gift Card! Who will be next? Doug’s winning ticket will be held and included in the final raffle drawing at the April 2020 meeting. **Winners must be present to win.**

Tickets will be sold \$2 per ticket or 3 tickets for \$5. Purchase your tickets with cash as you check into the meeting and pick up your name tag. During announcements the drawing will be quick, prize awarded and on with the meeting. The winning ticket from each meeting will be automatically eligible placed into the bucket for the grand prize drawing to be held at the final meeting of the 2019-2020 year in April.

Updating your Bio Information on the ASHRAE Website

Please take 5 minutes to log in at the ASHRAE Society website: <https://www.ashrae.org/>

- Log in, top right corner of the page. Under “HELLO (your name)” select “My Profile”.
- First select the (red) “Contact Information” icon and update with your correct Email, Address and Phone Numbers. This is how we communicate with you and it is very important we have the correct information so we can keep you informed of your membership status.
- Next select the (Purple) “Biographical Information” icon and update your Bio information. This is how ASHRAE determines years of service, Education completed, licenses held, Honors and Awards, all which benefit you for membership advancement and Society level Awards and Recognition! Help us to help you by keeping your personal and professional information updated!



Update on Atlanta Chapter dues paying members

We are now up to 77%! Congratulations and Thank You all for paying the Chapter Dues when renewing your memberships! Your chapter dues provide the chapter operating funds to pay for guest speakers, food for chapter meetings, chapter member name tags, fund our holiday party and support student memberships to name a few. Please continue to check that box to include the \$40 chapter dues as you register or renew your ASHRAE membership, it really is important to the financial health and well-being of “our” Atlanta Chapter!

This Atlanta Chapter Newsletter goes by email only to all Atlanta Chapter ASHRAE members along with all other ASHRAE members in our area and anyone else who asks. If you need a change in our email list, please notify our Chapter Secretary at secretary@ashraeatlanta.org

Research Promotion

Fall Golf Tournament



Where: River Pines Golf Course

When: October 16, 2019

Registration and sponsorship opportunities are available at <https://ashraeatlanta.wildapricot.org/event-3552865>.

Event contacts: Keven McCook keven30319@gmail.com or Henry Petersen hpetersen@intreo.com

If you prefer, call/text Keven on his cell phone at 404-229-5847 for more immediate assistance.

Chapter Officers

Meet your 2019 – 2020 Chapter Officers!



Parker Brunelle – President
president@ashraeatlanta.org



Pedro Pacheco – Vice President
vicepresident@ashraeatlanta.org



Matthew Mumpower – Treasurer
treasurer@ashraeatlanta.org



Reed Coggins – Secretary
secretary@ashraeatlanta.org

Committee Chairs

Welcome your 2019 – 2020 Committee Chairs and Co-Chairs!

Chapter Technology Transfer / ProgramsChair: [Jamie Kono](#)Co-Chairs: [Kristie Teoh](#) & [Robert Lontoc](#)**Membership**Chair: [Darrell Sandlin](#)Co-Chair: [Patrick O'Connor](#)**Grassroots and Government Advocacy**Chair: [Meghan McNulty](#)**Refrigeration**Chair: [Mark Dahir](#)**Sustainability**Chair: [Brendan Gardes](#)**Macon Section**Chair: [Caroline Callaway](#)**Research Promotion**Chair: [Keven McCook](#)Co-Chair: [Henry Peterson](#)**Historian**Chair: [Samir Sheth](#)**Young Engineers in ASHRAE**Chair: [Felipe Alvarez](#)**Student Activities**Chair: [Gabe Park](#)**Electronics Communications**Chair: [Pamela Moua](#)**Ways and Means**

Chair: Glenn Northrup

Committee Volunteer

Are you interested in joining one of our committees listed above? Contact any Officer or Chair for further information.

ASHRAE Learning Institute



Online Instructor-Led Courses

1-Hour Short Course: **\$55** (\$44 ASHRAE Member)

3-Hour Short Course: **\$299** (\$229 ASHRAE Member)

All courses are archived for a period of time after their initial presentation

2019 Online Course Series:

NEW! How Smart, Efficient, Sustainable Systems Lead to Improved Resilience 02 Oct 2019

Humidity Control II: Real-World Problems and Solutions IAQ Practices 08 Oct 2019

NEW! Laboratory Exhaust Stacks: Safe and Energy Efficient Design 10 Oct 2019

NEW! A Brief Look at IgCC and Standard 189.1 (1-hour course) 15 Oct 2019

Laboratory Design: The Basics and Beyond 22 Oct 2019

Thermal Energy Storage Systems for Air Conditioning 24 Oct 2019

Designing and Operating High-Performing Healthcare HVAC Systems 29 Oct 2019

Latest in High-Performance Dedicated Outdoor Air Systems (DOAS) 31 Oct 2019

Design of Affordable and Efficient Ground Source Heat Pump Systems 06 Nov 2019

Commissioning Process and Standard 202 13 Nov 2019

ASHRAE HVAC Design Training

HVAC Design Training is comprised of a series of four different training sessions: Level I, Level II, Consulting Engineering Essentials, and Improving Existing Building Operation.

Register early and Save! Click [here](#) for more information.

World-wide HVAC training available, see training schedule below:

City	Level I	Level II
Salt Lake City, UT	October 7–9, 2019 SOLD OUT	October 10–11, 2019
Dubai, UAE	October 27–29, 2019	October 30–31, 2019
Atlanta, GA	November 4–6, 2019	November 7–8, 2019
Dublin, Ireland	November 18–20, 2019	
Lisbon, Portugal		November 21–22, 2019
London, UK	November 25–27, 2019	

ASHRAE Technology Award

Have an outstanding or innovative project? Submit it for an ASHRAE Technology award! The flyer on the next page gives a quick pitch for Tech awards. [Learn more here](#) or contact Jamie Kono at Jamie.kono@servidyne.com if you'd like to submit an application.

Benefits of Winning a Technology Award

-  Recognized by peers as being innovative and capable of achieving a high level of competence
-  Recognition on ASHRAE's website
-  Winning projects are highlighted in the ASHRAE Journal and High Performing Buildings Magazine
-  Opportunity to bring additional recognition and prestige to buildings with innovative design
-  First place awards and the Engineering Award of Excellence are honored at the Plenary Session of the Society's Winter Meeting

ASHRAE Resources and Publications

Are you missing out?

Don't miss out on the latest ASHRAE publications! For more information, visit the Resources and Publications page: www.ashrae.org/resources--publications

ASHRAE JOURNAL



Most college science buildings consume a lot of energy. But, the Davis Building at the University of Findlay has a site EUI of only 64

kBtu/ft², which is significantly lower than most similar buildings that include labs with many fume hoods. This issue also features articles about when adding more fan power can be a good thing, the future of residential construction and a side-by-side comparison of VAV vs. radiant.

[Learn More >](#)

HPB MAGAZINE



Learn how the Federal Center South Building 1202 fosters a culture of collaboration, while the Haywood

Community College Creative Arts Building welcomes artists with open, daylit spaces that maximize passive strategies to reduce energy use. The SIERR Building at McKinstry Station demonstrates that even a nearly condemned building can be transformed into a high performing, energy-efficient office.

[Learn More >](#)

PUBLICATIONS CATALOG



[Interactive Catalog](#)

[Downloadable Catalog \(PDF\)](#)

ASHRAE TERMINOLOGY



Explore this new free resource, a comprehensive online glossary of more than 3700 terms related to the

built environment, with a focus on HVAC&R terms. Learn more at www.ashrae.org/ASHRAETerms

How To Join ASHRAE



Visit <http://www.ashraeatlanta.org/> to start the process

Click “Membership” on the horizontal menu bar

On the pull down menu, click “Join”

Enter your email address in the box “Verify your E-mail status”

A prospective member will then be directed to enter his or her email information. As a new member, your address will not be recognized, and you will be invited to “Register Now”.

After you complete registration, you will be directed to the Individual Information page where you can finally select “Join ASHRAE”!

Websites Reference List

Convenient and Useful ASHRAE Links

1. RSVP and prepay for each event through the Atlanta ASHRAE <http://www.ashraeatlanta.org/>. For events where meals are served, you must at least RSVP to ensure that there will be a meal for you. We encourage you to prepay, as this will speed your way through the check-in process.
2. Pay your Chapter dues of \$40 per year directly to the chapter: <http://www.ashraeatlanta.org/Membership>. These dues are in addition to your Society dues and help fund the Chapter’s programs and outreach.
3. Donate to ASHRAE Research Promotion. We have a fundraising goal of \$48,000 this year, so please do what you can to help fund ASHRAE research. Donate here:
<https://xp20.ashrae.org/secure/researchpromotion/rp.html>
4. Join the “ASHRAE Atlanta Chapter” group on LinkedIn at <http://www.linkedin.com/>.
5. Like the “ASHRAE Atlanta Chapter” page on FaceBook at: <https://www.facebook.com/ASHRAEAtlanta/>
6. Access the Product Directory online at the Atlanta ASHRAE website. Please note that this feature is in the process of being updated.

Job Opportunities

Browse Job Postings on Our Site

Did you know employers can post job opportunities on the Atlanta Chapter website for **FREE**?

As the professional society that serves as the major connection through all parts of the HVAC industry, it is important to the Atlanta ASHRAE Chapter to keep all members employed. Likewise, we are happy to assist employers in posting their job



Go to the following page on our site to browse the posted employment opportunities:
<http://ashraeatlanta.org/JobOpportunities>

Social Networking

Keep Up-to-date With What's Going On

Connect with the ASHRAE Atlanta Chapter on networking social media!

(Let's Connect)



www.linkedin.com/groups/ASHRAE-Atlanta-Chapter-2186496



www.facebook.com/ASHRAEAtlanta



[@ashraeatlanta](https://www.instagram.com/ashraeatlanta)