

August 2019 Newsletter



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President's Message

August 2019

Welcome back from your summer vacations and travels. As we stare down the end of summer with Labor Day right around the corner, I want to welcome you to the 2019/2020 ASHRAE Atlanta Chapter year. First and foremost, we have our first fall meeting scheduled for Tuesday September 10th at ASHRAE HQ. We have a great speaker line up scheduled for this year, and we are hoping to start off with a bang. See the programs section for the full fall schedule with technical topics.

As your new Atlanta Chapter President, I'm looking to expand on the successes of the past few years. The engineer/contractor round table discussion was a huge hit last year with great feedback, so we are looking to do another round table discussion later this fall. Also, since I made my way up through the Atlanta Chapter by way of the Young Engineers in ASHRAE, I'm very passionate on growing our young membership. I will be working closely with our YEA chair to promote networking events to grow our membership, and will be asking you, our members, to bring your new young hires from your firms. I always want to grow all ages in our Chapter, but I want to ensure our future with our young work force.

Another topic I want to focus on this year is education. ASHRAE from a National level and a local Chapter level has been fortunate to have the funds to create multiple scholarships. I want to make sure our chapter is taking advantage of these as best as possible. If you or someone you know or a group of young students you have a passion for are looking for scholarship opportunities in the STEM world, ASHRAE has many opportunities. Along that same line, I want to expand our young student outreach. If you have any groups of students that we can reach out to, we have a Student Activities Chair that can set up speaking engagements, science fairs, etc.

As we move into the Fall, I'm excited to help you finish the 2019 year strong. We have many of events coming up, including the Fall Golf tournament, a new 5K race we are sponsoring, a few YEA mixers, and of course our normal monthly meetings. Please feel free to reach out to me with any questions or comments, and your feedback is vitally important to the success of the chapter. I look forward to talking with everyone this coming meeting!



Parker Brunelle

Atlanta Chapter President 2019-2020

president@ashraeatlanta.org

www.ashraeatlanta.org

Chapter Meetings

2019-2020 Chapter Meetings: We're excited about the chapter meetings planned for this year. We are currently anticipating the following meetings:

- **September 10:** Georgia Energy Codes Update, Bourke Reeves
- **October 8:** Panel on Effective Building Operations
- **November (Dinner):** Green Buildings
- **January 14, 2020:** Building Design Management
- **February 11:** Presentation from Darryl Boyce, ASHRAE Society President
- **March 10:** New ASHRAE HQ Presentation and Tour (if possible)
- **April 7 (Dinner):** Targeting Success: Diversity in Hiring, Dr. Julia Keen

Other activities planned this year are the ASHRAE Atlanta Trade show occurring Spring 2020 and a Women in STEM lunch on 4/7.

Survey Results: Thank you for your feedback in the ASHRAE chapter survey sent out last month. This feedback will help us decide on future programming and logistics for our dinner meetings. If you have other suggestions or feedback, feel free to reach out to Jamie Kono at jamie.kono@servidyne.com.

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: September 10, 2019, 11:30 AM – 1:00 PM

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

Registration: <https://ashraeatlanta.wildapricot.org/event-3512288>

Atlanta Chapter Member: \$10

Society Member: \$20

Guests: \$20

Students: FREE

Georgia Energy Code Update

This program will provide attendees with useful real-world information on Georgia's Commercial Energy Code. Attendees will be introduced to the structure and requirements of the commercial energy code. The presentation will familiarize attendee with the programs and resources available to assist with energy code compliance and provided with information on common compliance challenges seen in the field.



Speaker: Bourke Reeves

Bourke Reeve is a Project Manager with Three Points Planning. In this position Bourke applies his experience in sustainable design, community development and historic preservation to a variety of research, education, technical assistance and community development projects.

Over the past decade Bourke has worked in partnership with a wide variety of non-profit organizations, state agencies and local communities. The projects, programs and trainings he has developed help create healthy, efficient and resilient buildings and communities across the Southeast. As a professional educator Bourke has provided sessions for universities, conferences and professional organizations sharing his expertise in sustainable design, building energy codes and historic preservation.

Brief Legionella Update

Prior to the technical program, learn about the Legionella outbreak in Atlanta and what you can do to protect the health and safety of building occupants. Resources for developing water management programs from the CDC and ASHRAE will be posted on the chapter website under Government Affairs. If you have expertise in legionella risk management and an interest in outreach or advocacy, please contact GAC Chair Meghan McNulty at Meghan.McNulty@servidyne.com.

NEW 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 launch our first 50/50 Raffle at this month's meeting. Cash and credit card will be accepted.

Macon ASHRAE Section

When: September 10, 2019, 11:30 AM – 1:00 PM

Registration: RSVP to calloway@insightusa.com

By September 9, 2018

Topic: Georgia Energy Code Update

Speaker: Bourke Reeves (VC with Atlanta Chapter, details above)

Chapter Events Calendar

2019

August

August 29 YEA Sweetwater Brewery Happy Hour ([Register Here](#))

September

Sept 10 Chapter Lunch Meeting: Georgia Energy Code Update ([Register Here](#))

Sept 28 Energy Efficiency 5K Race ([Register Here](#))

October

Oct 8 Chapter Lunch Meeting: Panel on Effective Building Operations

Oct 16 Fall Golf Tournament

November

TBD Chapter Dinner Meeting: Green Buildings

December

TBD ASHRAE Atlanta Holiday Party

2020

January

Jan 14 Chapter Lunch Meeting: Building Design Management

February

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

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

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 Outbreak in Atlanta and ASHRAE Resources

A Legionnaire's outbreak in Atlanta left one person dead and dozens of others ill this summer. Environmental sampling at the Sheraton Atlanta Hotel indicated the presence of Legionella bacteria in the hotel's cooling tower and in an indoor decorative fountain. Remediation of the hotel's entire water system has been completed, and the Fulton County Board of Health (FCBOH) has cleared the hotel to reopen.

ASHRAE has compiled a number of 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.

In addition, our Chapter will be exploring educational and advocacy opportunities related to legionella risk management throughout the year.

Georgia Energy Code

On January 1, 2020, the 2015 International Energy Efficiency Code with Georgia Amendments will go into effect. The Atlanta Chapter sponsored one of the Georgia Department of Community Affairs (DCA) / Southface 3-PDH workshops on commercial energy code changes on July 17, with over 30 ASHRAE members in attendance.

- Additional workshops will be held throughout the state until the end of September: <https://www.dca.ga.gov/node/5691>
- Georgia State Amendments to the 2015 IECC: https://www.dca.ga.gov/sites/default/files/iecc2020_gaamendments_revised03082018.pdf
- IECC and all other I-Codes, free read-only versions: <https://codes.iccsafe.org/category/I-Codes>

Contribute to the Commercial Building Energy Code Field Study

Are you working with a project in Climate Zone 2 (Coastal and South Georgia)? You can contribute to the US Department of Energy's study to assess the impact of code compliance on commercial buildings. Contact our September meeting speaker, Bourke Reeve, to learn more about participation bourke.reeve@threepointsplanning.com

FACT SHEET

COMMERCIAL BUILDING ENERGY CODE FIELD STUDY

STUDY HIGHLIGHTS

Sampling across two climate zones and multiple states, research will establish:

- 1. A cost-effective, replicable methodology to assess the energy impact of code compliance
- 2. An understanding of the costs, barriers, and accuracy of various data collection methods
- 3. An understanding of common issues with energy code compliance
- 4. Education and training strategies to address and overcome compliance issues

Buildings account for roughly 40 percent of the nation's energy consumption. Enhancing their efficiency will lead to a stronger economy, a cleaner environment, and significant energy savings. With this goal in mind, the U.S. Department of Energy has provided funding to conduct a commercial field study, with the primary goal of developing and testing a methodology to accurately and cost-effectively measure the impact of code compliance on commercial buildings. The participation of builders, owners, and building departments is crucial in supporting this important activity.

SEEKING INPUT: COOPERATION & CONFIDENTIALITY

Cooperation from builders and local building departments is essential to the success of the study. Key benefits include access to more targeted training opportunities, and greater knowledge about commercial energy use in the state. The recorded data will not include any identifiable information (e.g., addresses, or code official, designer or owner names). The purpose of the study is to use the data to refine a developed methodology. Results will be analyzed at a climate zone (multi-state) level, and individual building or jurisdiction compliance will not be evaluated.

Building Departments: A representative from the project team will contact you to request the necessary list of addresses and contact information for projects in your region. In most cases, this is the only information needed from local building departments. In addition, field teams may request your cooperation in getting access to building sites.

Designers and Builders: Members of the local field team may contact you to request access to selected sites. Individual projects are selected randomly based on current construction happening in your region, as reported by local building departments.

For more information on the study, visit: <https://www.energy.gov/eere/buildings/downloads/commercial-field-study>

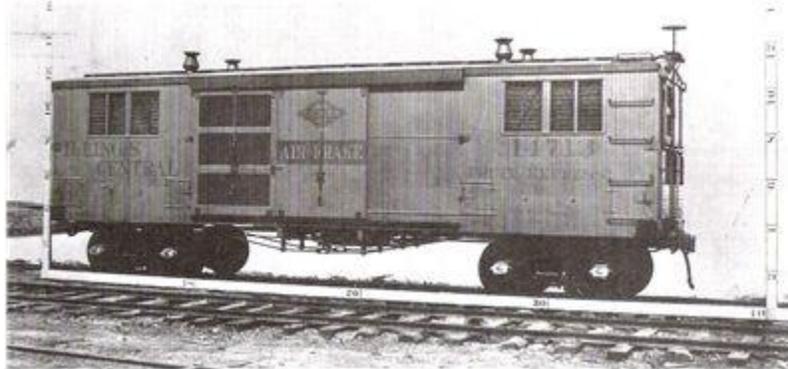


Smoke-Free ATL Success

Atlanta City Council passed the Atlanta Smokefree Air Ordinance in July, which bans indoor smoking in all bars and restaurants and the airport starting January 2, 2020 (with exceptions for cigar bars and hookah bars). The ordinance was promoted by Smoke-Free ATL, a coalition led by the American Cancer Society Action Network. ASHRAE first published a position document on Environmental Tobacco Smoke (ETS) in 2010 to affirm that the only means of effectively eliminating health risks associated with indoor ETS exposure is to ban all smoking activity. ASHRAE Atlanta supported this ordinance a letter from 2018-19 ASHRAE President Sheila Hayter, and testimony at city council meetings by ASHRAE members Elliott Horner, Henry Slack, and Meghan McNulty. Thank you, ASHRAE advocates, for your work to protect indoor environmental quality!

Historian

Timeline of Refrigerators and Low-Temperature Technology



Since people noticed that food that is held on the lower temperatures lasts longer, we tried to find a way to produce the cold without depending on the nature. We will present here chronology of inventions that preceded low-temperature technology as we know it today.

- Around **1700 BC** - one of the first ice houses was built near the Euphrates.
- Around **500 BC** - first yakhchals appear in Persia. They were a type of evaporative cooler.
- **1396 AD** - Ice storage warehouses called "Dong-bing-go and Seo-bing-go were built in Han-Yang (today's Seoul, South Korea). They held ice from the frozen Han River and are not used as warehouses since 1898 AD but their buildings stand even today.
- **1756** - William Cullen held the first documented public [demonstration](#) of artificial refrigeration.
- **1782** - Ice-calorimeter was invented by Antoine Lavoisier and Pierre-Simon Laplace.
- **1784** - Gaspard Monge liquefied the first gas producing liquid sulfur dioxide.
- **1803** - The first domestic ice box appeared.
- **1803** - A patent on refrigeration given to Thomas Moore of Baltimore, Md.
- **1805** - The first closed circuit refrigeration machine was invented. Its inventor was Oliver Evans and its design was based on the vapor-compression refrigeration cycle.
- **1809** - Jacob Perkins patented the first refrigerating machine.
- **1810** - John Leslie freezes water to ice by using an airpump.
- **1834** - The first patent for a vapor-compression refrigeration system given to Jacob Perkins.
- **1851** - John Gorrie patented his mechanical refrigeration machine which makes ice to cool the air.
- **1856** - James Harrison patented an ether liquid-vapour compression refrigeration system. He also developed the first practical ice-making and refrigeration [room](#) for industrial use.
- **1859** - Ferdinand Carré invented the first gas absorption refrigeration system that uses gaseous ammonia dissolved in water (also known as "aqua ammonia").
- **1862** - Alexander Carnegie Kirk invents the "Air cycle machine" for providing chilling on ships.
- **1864** - Charles Tellier patented a refrigeration system that uses dimethyl ether.
- **1869** - Charles Tellier builds a cold storage plant in France.
- **1876** - Carl von Linde patented equipment to liquefy air. It used the Joule Thomson expansion process and regenerative cooling.
- **1877** - Raoul Pictet and Louis Paul Cailletet, independently of each other, develop two methods to liquefy oxygen.
- **1882** - William Soltau Davidson fitted the New Zealand ship "Dunedin" with a compression refrigeration unit.

- **1892** - James Dewar invents the vacuum-insulated, silver-plated glass Dewar flask - a type of early thermos flask.
- **1904** - [America](#) Society of Refrigerating Engineers was founded.
- **1906** - Willis Carrier patents the basis for modern [air conditioning](#).
- **1908** - Heike Kamerlingh Onnes manages to get liquefied helium.
- **1915** - Alfred Mellowes starts Guardian Frigerato and begins building first self-container refrigerator for [home](#) use.
- **1920** - Edmund Copeland and Harry Edwards invented small refrigerators that use iso-butane as a fuel.
- **1923** - Kelvinator, an early type of refrigerator, held 80% of the market for electric refrigerators at the time.
- **1925** - Electrolux purchases AB Arctic and starts selling the "D-fridge".
- **1926** - General Electric Company puts on market the first hermetic compressor refrigerator.
- **1926** - Willem Hendrik Keesom turns helium solid.
- **1929** - David Forbes Keith of Toronto, Ontario, Canada patented "The Icy Ball", a type of early refrigerator that didn't use electricity for cooling but a burning cup of kerosene. It helped hundreds of thousands of families through the time of Dust Bowl.
- **1926** - Albert Einstein and Leó Szilárd invent the Einstein refrigerator which has no moving parts.
- **1951** - Heinz London invents the principle of the dilution refrigerator.
- **1955** - 80% of American households own a refrigerator.
- **2005** - Refrigerator is present in 99.5% of American homes.

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.

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 and Membership Promotion at **Sweetwater Brewery Thursday, August 29th 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 Sweetwater 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-3512166>

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

Welcome back to the 2019 – 2020 year! Summer is far from over, temperatures are hotter than ever, but the kids are back in school and it's time to reconnect with your ASHRAE friends.

Many Thanks to Brendan Gardes, membership chair for the past 3 years! I worked with Brendan as Co-Chair last year and it's time for me to step up. I look forward to meeting you at chapter meetings and various social events. Please come up and introduce yourself to me.

I have been an Atlanta chapter member since 2001 and I have met a lot of good people through ASHRAE over the years and We've had good fun at meetings. I want to bring back one of those fun events this year, Raffles!

Membership Promotion (MP) will host a raffle at the beginning of each meeting, before our technical presenter is introduced. Just a little fun and chance to win something like a gift card, a sports jersey or maybe we'll play it as a 50/50 split the cash. **Tickets will be sold \$2 per ticket or 3 tickets for \$5.** The meeting registration page will be modified to include the option to pre-purchase your raffle tickets when registering for the upcoming meeting. For those whose employers will not cover this, 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.

We also plan to entertain you with trivia questions, obviously with a "membership" theme about them, while you are eating lunch.

Did you know our chapter currently has 1107 "area assigned members" (AAM) that include fellow, life, students, Associates and full Member levels. We are one of the largest chapters in ASHRAE!

Currently 75% of our Associate and full Members pay the Atlanta Chapter dues of \$40. As MP Chair I encourage all our Associate and Members to pay their chapter dues at the same time they pay their ASHRAE Society dues. 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 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!

We look forward to meeting each you this year!

Darrell Sandlin – MP Chair
Patrick O'Connor – MP CoChair

2019 Lifetime Members

We're excited to celebrate our new 2019 Lifetime Members:

Steven Rosen
David Strickland
Neil Wyche
Craig Clark
Wade Marshall

R Spicer
Terrance Slaby
Alan Stewart
Frank Pucciano
David Wilder

H Gaar
Lung-Sing Wong
William Pierce
Henry Slack

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

Energy Efficiency 5k Race

Join ASHRAE Atlanta for our first Energy Efficiency 5k Race!

When: September 28, 2019 at 8:00 AM

Where: Zoo Atlanta

Register: <https://racesonline.com/events/energy-efficiency-5k>



SCHEDULE - RAIN OR SHINE

7:00 am - Packet Pick Up -and- Race Day Registration in the Zoo Atlanta parking lot at 800 Cherokee Ave in Grant Park

8:00 am - 5K Start -Awards following

REGISTRATION - NO REFUNDS

\$25 by Sept. 19

\$30 after Sept. 19

\$35 Race Day

WAYS TO REGISTER

ONLINE - Register here on racesonline.com

Race Day - On-site until 15 mins prior to race start. This is a hard stop, if you plan to register race day, please arrive in time for processing.

AGE GROUPS/AWARDS FOR 5K

Overall male and female

Masters male and female

THE FOLLOWING SPONSORSHIP OPPORTUNITIES AVAILABLE:

Presenting Sponsor \$750

- Your Business Presents The Energy Efficiency 5K Road Race
- Runners picking up their race bibs and shirts will also pick up one of your brochures
- Largest Logo on Banners at the finish Line (sized by sponsorship level)

Hydration / Snack Sponsor \$300

- Hydration tables will have your logo (“Hydration sponsored by...your company”)
- Race flyer (provided by your company) inserted in Race Bags
- Logo on T-Shirts (size by level)

Awards Sponsor \$250

- Your company will be recognized at the awards ceremony and announcements
- 2 Kilometer Markers will have your logo (Kilometer Marker Sponsored by...”)
- Post-Race table/booth for product/service promotion and sample give away by your company (we do not provide tents or table)
- Logo on Race shirt (sized by level)

T-Shirt Sponsors \$200

- Your Company LOGO included on T-Shirt (sized by the level of sponsor)
- Tent/table at the start and finish line and hand out promotional items. Company sign placed at the start and finish line and over prize table.

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

Fall Golf Tournament



Where: River Pines Golf Course

When: October 16, 2019

REGISTRATION WILL BEGIN SHORTLY AFTER LABOR DAY

For sponsorships please contact 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 / Programs

Chair: [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:

Avoiding IAQ Problems 10 Sep 2019

Combined Heat and Power: Creating Efficiency through Design and Operations 17 Sep 2019

NEW! Guideline 36: Best in Class HVAC Control Sequences 24 Sep 2019

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

HVAC Design and Operation 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
Nashville, TN	September 9–11, 2019	
Jersey City, NJ	September 16–18, 2019 SOLD OUT	September 19–20, 2019
Salt Lake City, UT	October 7–9, 2019	October 10–11, 2019
Dubai, UAE	October 27–29, 2019	October 30–31, 2019
Atlanta, GA	November 4–6, 2019	November 7–8, 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)