

October Newsletter 2018

ASHRAE Atlanta Chapter



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President's Message

October 2018

Hello fellow ASHRAE members! Our first monthly chapter meet was a success with over 65 people in attendance. Special thanks to Lorrie Todd and her presentation on "How UV-C Can Reduce Energy, Maintenance Costs and Improve IAQ". There was quite an audience, from engineers & contractors to facility managers & maintenance engineers. Hopefully you were able to walk away with some knowledge & interest on this topic.

If you weren't able to join us in August, let's see if you can make it happen in October. I ask each of you to bring a co-work or friend to the next meeting. Having a well-attended meeting always make it more interesting with the different point of view from varies occupations in our industry.

There were some questions on how to obtain your PDH credit when attending these meetings. We will be emailing those that attended so be sure to your email address is current & up to date.

Once again, our Chairs & Co-Chairs will keep the calendar full with many planned activities for the up & coming months. Be sure to read & see what interest you & sign up early if possible. The golf tournament being one of them & you know, the team slots fill up quickly, along with the sponsorship opportunities. Be sure to plan ahead before it's too late.

As always, your feedback is important to me and it is essential in making this year successful. We want to provide exciting and beneficial meeting topics, opportunities for growth, and the support each individual requires. I look forward to chatting with you at our next chapter meeting!



Irvin G. Sierra

Atlanta Chapter President 2018-2019

president@ashraeatlanta.org

www.ashraeatlanta.org

Chapter Meeting Notice

When: October 9, 2018, 11:30am – 1:00pm

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

Registration: <https://ashraeatlanta.wildapricot.org/event-3033696>

Atlanta Chapter Member: \$10

Society Member: \$20

Guests: \$20

Students: FREE

Introducing Standard 211-2018: ASHRAE's First Standard for Commercial Building Energy Audits

Performing energy audits has long lacked regulation or standardization of approaches. What makes an energy audit acceptable, good, or great has been the subject of much discussion and debate. Best practices in the field have been treated like an oral tradition, where practitioners hand down knowledge and approaches from person to person. In 2018 ASHRAE released its first Standard for energy audits in commercial and multifamily buildings. There are several major changes to ASHRAE's prior guidance on energy audits that are significant improvements. This presentation, based on material presented at the June 2018 ASHRAE Annual Conference in Houston, provides an overview of the new requirements, clarification of the purposes of Levels 1, 2 and 3 audits, and insight into the deliberations on the Standard Project Committee that led to key elements of the published Standard.

Speaker: Barry Abramson



Barry Abramson is a Principal of Servidyne, an energy and sustainability consulting firm based in Atlanta, with 40 years of experience in energy auditing. He has served as a voting member of ASHRAE Standard Project Committee 211 for the past five years, through the development of Standard 211. He was Principal Investigator for an ASHRAE research project on HVAC service life and maintenance costs, the results of which were published in the ASHRAE Handbook.

Barry graduated Phi Beta Kappa with a degree in Energy and Environmental Engineering from Stanford University. He is a Registered Professional Engineer in 15 states and an ASHRAE certified Building Energy Assessment Professional and Commissioning Project Management Professional. He is also a LEED® Accredited Professional with Specialty in

Operations and Maintenance. He is Vice-Chair of the LEED Energy and Atmosphere Technical Advisory Group, and a LEED Faculty member.



Robert Lontoc

Programs Chair, Atlanta Chapter
rlontoc@newcomb-boyd.com

Chapter Meeting

Macon ASHRAE Section

When: November 13, 2018, 11:30am – 1:00pm

Where: Mingledorffs, Macon, GA

Registration: RSVP to ccalloway@aerco.com



Caroline Calloway

Macon Section Chair, Atlanta Chapter

ccalloway@aerco.com

Chapter Calendar

2018

September

September 27, 2018 – YEA – Three Taverns Brewery Tour

October

October 01, 2018 – Leadership U Application Deadline

October 09, 2018 – October Board of Governor's & Chapter Meetings

October 12, 2018 – USGBC Design Summit & Green Awards Reception

October 17, 2018 – Fall Golf Tournament – River Pines Golf

October 18, 2018 – Resiliency and Hospitality Panel Discussion

November

November 13, 2018 – Macon Section November Meeting

December

December 06, 2018 – Red & Green Scene

Join GAC As A Volunteer – Take Our Survey

Do you want to take an active role in local ASHRAE advocacy? Do you know of a local issue where ASHRAE expertise is needed? Join GAC - take our member survey for the 2018-2019 Society Year:

<https://www.surveymonkey.com/r/8VSL8QR>

Atlanta Government Affairs

Updates from the Atlanta Mayor's Office of Resilience

- **Clean Energy Plan** – the draft of the city's vision for a 100% clean energy future has been released: <http://100atl.com/>
- **Commercial Buildings Energy Efficiency Ordinance (CBEEO)** – 2018 is the first year that ASHRAE Level 2 energy audits are required for a subset of commercial office building within city limits: <https://atlantabuildingefficiency.com/>
- **Solarize Atlanta** – the community-based solar energy purchasing campaign has extended its deadline for residential applications to October 31st for residential applications and December 31st for commercial applications. For FAQs, upcoming open house presentations, and applications, visit <https://www.solarcrowdsource.com/campaign/atlanta-ga/>

Smoke-Free ATL

A coalition led by the American Cancer Society Cancer Action Network, Smoke-Free ATL, is spearheading an effort to eliminate indoor smoking in the City of Atlanta, which is still allowed in some bars and restaurants under the Georgia Smoke-free Air Act of 2005. Learn more about their campaign: <https://smokefreeatl.org/>

President Shelia Hayter wrote to the Atlanta City Council in July to share ASHRAE's Position Document on Environmental Tobacco Smoke (ETS), which affirms that the only means of effectively eliminating health risks associated with indoor ETS exposure is to ban all smoking activity. [View her letter.](#)

Georgia Government Affairs

Voting Registration Deadline – October 9th

General Elections will be held on Tuesday, November 6th for all major state executive branch positions (like Governor) and federal and state legislators, in addition to local positions. The deadline to register to vote is October 9th. Visit the Georgia My Voter Page: <https://www.mvp.sos.ga.gov/MVP/mvp.do>

State Code Resources

For information on current codes and meetings of Tasks Forces to address code updates (Plumbing, Mechanical, and Fuel Gas Codes will be under review this year), visit the Georgia Department of Community Affairs website:

<https://dca.ga.gov/local-government-assistance/construction-codes-industrialized-buildings/construction-codes>



Meghan McNulty

Grassroots and Government Activities Chair, Atlanta Chapter
Meghan.mcnulty@servidyne.com

ASHRAE Winter Conference Volunteers Needed!

We are about to embark on an ASHRAE Winter Meeting in January 12 – 19 of 2019 here in Atlanta. Lots of help will be needed from the Chapter and Region. The last Winter Meeting which includes the ARI equipment show was in 2001. We did have an Annual (Summer) meeting here in Atlanta in 2015.

It takes approximately 200 volunteers for the **Education Sessions and Seminars** alone. Volunteer Session monitors receive free registration for this four hour service and the earn PDH points for sessions attended. Contact Ben Coe bcoe@syska.com or MattR@jmpco.com .

In addition, we will need staff for the **ASHRAE Members Lounge and Spouse Lounge**; a person on the bus for each of the **Tours**, and staff for a table in ASHRAE Registration for **Hospitality** to answer questions and to give out material on what the city has to offer including a list of churches, restaurants and attractions.

There are social events planned as well. The Plenary Session on Saturday afternoon with a keynote speaker and awards presentations, a Welcome Party at the Atlanta History Museum which will need ticket takers and takes place on Saturday evening, the President's Luncheon on Monday and Members Night Out on Tuesday evening. The tours will begin on Sunday and end on Wednesday morning. See the ASHRAE.org website for details.

Past Atlanta meetings were held in 1978, 1984, 1990, 1996, 2001, and 2015. Below is the 2019 Atlanta meeting committee. If you are interested in volunteering please contact one of the following committee members:

2018– Sarah Young – General Chair syoung@DLBASSOCIATES.com
Meghan McNulty - Vice Chair Meghan.mcnulty@servidyne.com
Caroline Calloway & Peggy Fritz – Tours ccalloway@bellsouth.net or pjf41@att.net
Ben Coe & Matt Rowe – Sessions Co-Chairs bcoe@syska.com or MattR@jmpco.com
Charles Miltiades – Hospitality cmiltiades@hvac.mea.com
Pam Immekus – Entertainment Events pam@leppardjohnson.com
Sarah Young – Information/Publicity

Attention Atlanta and Region IV ASHRAE Members! Special Limited Time Offer!

Would you like to get complimentary full registration for the huge upcoming ASHRAE Winter Meeting to be held here in Atlanta in January 2019?? 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 BEN COE at bcoe@syska.com. Sign up before September 1 when this offer will be opened up to other chapters and members. You get first "dibs" as the host chapter.

Historic Timeline of Refrigeration!

Milestones:

- BC
- 1000 The Chinese cut and stored ice
- 500 Egyptians and Indians made ice on cold nights by setting water out in earthenware pots
- AD
- 1700 In England, servants collected ice in the winter and put it into icehouses for use in the summer
- 1720 Dr. William Cullen, a Scotsman, studied the evaporation of liquids in a vacuum
- 1805 Oliver Evans of Pennsylvania, compressed ether machine, the machine is never built
- 1820 Michael Faraday, a Londoner, liquified ammonia to cause cooling
- 1834 Jacob Perkins, ether vapour compression cycle, Ice Making Machine
- 1844 James Harrison of Australia invents compressed ether machine
- 1850 Edmond Carre of France, invents an absorption process machine
- 1852 William Thomson & James Prescott cooling increases in proportion to the pressure difference
- 1855 Dr. John Gorrie builds compression refrigeration system based on Faraday's experiments.
- 1856 James Harrison commissioned by a brewery to build a machine that cooled beer.
- 1859 Ferdinand Carre of France, developed the first ammonia/water refrigeration machine
- 1871 Carl von Linde of Germany published an essay on improved refrigeration techniques
- 1873 Carl von Linde first practical and portable compressor refrigeration machine was built in Munich
- 1874 Raoul Pictet of Switzerland, a compressor system using sulfur dioxide instead of ammonia
- 1876 Carl von Linde, early models he used methyl ether, but changed to an ammonia cycle
- 1878 von Linde starts Lindes Eismaschinen AG, (Society for Lindes Ice Machines), now Linde AG
- 1881 Edmund J. Copeland and Arnold H. Gross start Leonard Refrigerator Company
- 1894 Linde developed a new method (Linde technique) for the liquefaction of large quantities of air.
- 1894 Linde AG installs refrigerator at the Guinness brewery in Dublin, Ireland
- 1895 Carl von Linde produced large amounts of liquid air using the Thomson-Joule effect
- 1901 Patent # 665,814 issued January 10, for a Refridgeator (Ice Box) invented by Henry Trost.
- 1911 General Electric company unveiled a refrigerator invented by a French monk. Abbe Audiffren
- 1913 Fred W. Wolf Jr. of the Domelre Company (DOMestic Electric REfrigerator)
- 1914 Leonard Refrigerator Company renamed Electro-Automatic Refrigerating Company
- 1915 Alfred Mellows starts Guardian Frigerato to build first self-container refrigerator for home use
- 1916 Servel models compressors were generally driven by motors located in the basement
- 1916 Henry Joy of Packard Motor Car Co. purchased the Fred W. Wolf refrigerator rights
- 1918 Guardian Frigerato purchased by General Motors and renamed Frigidaire
- 1918 Electro-Automatic Refrigerating Company renamed Kelvinator
- 1920 there were some 200 different refrigerator models on the market.
- 1922 Baltzar von Platen and Carl Munters introduce absorption process refrigerator
- 1923 Kelvinator held 80 percent of the market for electric refrigerators
- 1923 AB Arctic begins production of refrigerators based on Platen-Munter's invention
- 1925 Electrolux purchases AB Arctic and launches the "D-fridge" on the world market
- 1925 Steel and porcelain cabinets began appearing in the mid-20s
- 1927 first refrigerator to see widespread use was the General Electric "Monitor-Top" refrigerator.
- 1930 first built-in refrigerator is launched by Electrolux
- 1931 Dupont produced commercial quantities of R-12, trademarked as Freon
- 1931 the first air-cooled refrigerator introduced by Electrolux
- 1932 Gibson, then owned by Frank Gibson, manufactured its own line of refrigerators.
- 1934 an innovation, the Shelvador refrigerator, was introduced by the Crosley Radio Corporation
- 1936 Albert Henne synthesizes refrigerant R-134a

1937 more than 2 million Americans owned refrigerators.

1939 refrigerator with one section for frozen food and a second for chilled food, introduced by G. E.

1946 Mass production of modern refrigerators didn't get started until after World War II.

1947 GE two-door refrigerator-freezer combination

1955 80% of American homes now have refrigerators

2005 A domestic refrigerator is present in 99.5% of American homes



Samir Sheth

Historian Chair, Atlanta Chapter

ssheth@itsmarta.com

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

Come join us at Three Taverns September 27th from 5:30-8:30! Please register online, costs \$5 per member for drinks and brewery tour!



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 (offered by the YEA Institute), a handful of 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 19, 2018 and check out on Thursday, January 25, 2018, 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 1, 2018.**
- Program Date/Location: Atlanta. Jan 11- Jan 27, 2018

ASHRAE Technical Committees

ASHRAE Technical Committees are not just for design managers! If you are interested in getting involved in a TC committee to learn more about this industry and help shape the future ASHRAE guidelines, they are looking for YEA members

Please contact Amber Scales (ascales@newcomb-boyd.com) for more information on how to get involved.



Amber Scales

YEA Chair, Atlanta Chapter

ascales@newcomb-boyd.com

Research Promotion

We had great events this past year and look forward to more next year! Thank you for your support!

Membership Promotion (MP)

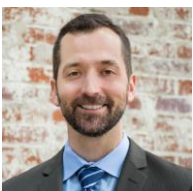
September 2018 Edition

As I, and probably many of you, look forward to fall finally arriving with lower temperatures, I encourage you to think about your ASHRAE membership and get the most out of it. As we experience the effects of climate change, we are and will continue to see more Cooling Degree Days (CDD) in our region. ASHRAE has a wealth of knowledge and educational opportunities to help engineers, contractors, and owners alike make their buildings as efficient as possible to reduce the financial impact of these changes. If you're not a member, I encourage you to become a member and get these resources at a discount. If you are, I encourage you to get your money's worth and access them.

I encourage a member to bring a non-member to next month's meeting. If that non-member is in the built-environment industry, we will give the ASHRAE member an ASHRAE shirt, hat, or tumbler! Just find Darrell Sandlin, myself, or another volunteer member of the Atlanta ASHRAE chapter to get your info.

And most importantly, thanks to our new members of 2018!

Mr Okechukwu Paul Ezeh	Mr James P Benville	Archit Patel	Kenneth Harris
Mr Chris Reininger	Mr Vernon B. Ryle IV	Derek Eubanks PE	Mr Joshua B Taylor
Mr Matthew A Simpson	Andrew Garland	Allison G Hunter	Mr Timothy Samford, PE
Katy Chiogioji	Mr Rodger E Nodine	Mr John C Castorina	Mr John R Prall
Mr Matt D Mason PE	Matthew Dugan	Mr Matthew Seech	Mrs Lauren Wallace
Mr Robert Cosby	Mr Mukund Bhaskar	Mr Tony Ring	Michael Wayne Brown
Donald Horton	Mr Christopher Hugh Woliver	Bobby White	Mr Timothy A. Morse
Mr Ronald Morgan McDaniel III	Mr Philip Keith Roesel	Crawford Murphy	Ms Laura Rojas
Benjamin Demarest Taylor	Jonathan Reeves	Clark Pridemore	Mr Eddie Addison
Mr Daylan C Parson	Gus Wheeler	Ms Courtney Mayes	MOUHAMED ANASS AL MASRI
Mr Sourabh Jain	Andrew J Howard	Mr Jaworski Robinson	
Mr David Bourbon	Mr Michael A Roesel	Ms Nathalie Shaffer	
Piero Caballero	Mr Edward Joseph Wallace, III	Mr David T Branham, PE	
Samuel Harvey	Geoffrey M Pettit	Mr Glenn Haller, PE	
Mr Thomas G Brown	Mr Wiley Kenneth Wall	Mr Vincent L. Mazzei	
Mr John L. Porter Jr	Mr Samuel T Wells	Mr Robert A Parker, Jr	
Monica Sain	Ben Heckert	Mr Harry A Booth	
Mr Daniel I Hughes	Mrs Addison Q Lazarus	Mr Steven J Brewer	
Mr Ryan M Yarborough	Mr Manuel A Torres	Mr Steve b Sherrell	
Oneil Fuller	Mr Squires Maxwell Dearing	Mr Bart Wayne Stewart	



Brendan Gardes

MP Chair, Atlanta Chapter

membership@ashraeatlanta.org

Join ASHRAE Atlanta, AIA Atlanta, ASID Georgia, CSI Atlanta, IIDA Georgia and USGBC Georgia for our annual holiday celebration!

Hosted this year at the Woodruff Art Center's Galleria, Red & Green Scene will be an exciting evening of fellowship, drinks, a delectable dessert bar and great music.

Red & Green Scene also serves as a charity initiative in support of [Sustainable Design Collaborative Atlanta](#), and a toy drive for Toys for Tots.

<https://www.redandgreenscene.com/>



September 2018



PG. 2

History and GAC Updates

PG. 3

Regional News and CTTC Update

PG. 4

Members Council and Student Activities Updates

PG. 5

Chapter updates and contact information

LOOKING AHEAD TO 2018-2019

PLANNING FOR GREECE

A Great Orlando Joint CRC! Many, many thanks to all for making our Joint CRC in Orlando such a great experience! Special thanks to the South Carolina Chapter, and in particular, the extraordinary efforts (and results) of Colin Shropshire, Sam Bernstel, and Michael Rushing! Please put on your calendars next year's very special CRC, to be held on the island of Mykonos, Greece, September 25-28, 2019. It is critical that all understand that the total cost for the CRC itself (transportation, hotel, and registration for 9/25-28) will be roughly \$1,000 per person; we will use our buying power and travel agent expertise to get very good rates on travel before and after the actual CRC; and that the connections and friendships made during this event will make their chapter leadership much stronger for years to come.

Other items that chapter leadership should be completing are as follows: Completion of Your Chapter Leadership and CIQ, Formulation of your Chapter Opportunity Fund proposal, LeaDRS Program Candidates, Leadership Academy Candidates, MBOs, and Chapter meeting schedule
Billy Austin – DRC



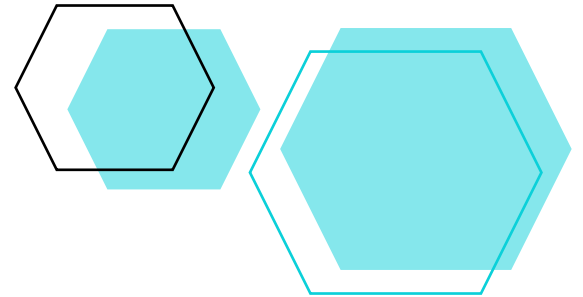
HISTORY UPDATE

2018-2019 TO FOCUS ON AWARDS

Region Historian Info:

1. South Carolina Chapter won the best History Display at the 2018 CRC
2. We had 4 chapters attend the History Workshop at the 2018 CRC (Atlanta, Triangle, South Piedmont, North Piedmont)
3. For 2018/19 the emphasis will be on obtaining more Awards and Honors for Region IV Chapters (Chapter Gold Ribbon Award, Chapter Award of Merit, Regional Award of Merit, Distinguished Service Award and Exceptional Service Award, Technology Award/Award for Engineering Excellence, etc.)

Maurice Harrison – History RVC



GAC – NEW NAME

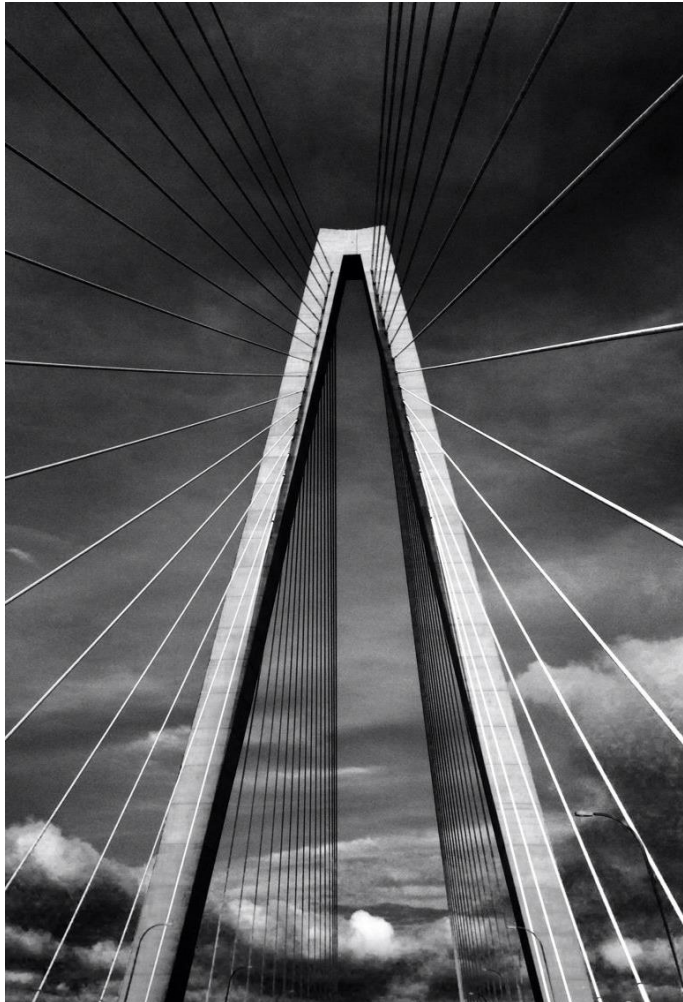
GOVERNMENT AFFAIRS COMMITTEE DROPS “GRASSROOTS”

The Grassroots Government Advocacy Committee is now the Government Affairs Committee (GAC). This designation change was made to align with ASHRAE’s efforts to reach out to Governmental entities. “Grassroots” had little value or confuse the intent when translated to various languages.

Last year’s Region IV GAC efforts were highlighted at the summer meeting and CRC. Commendation was to Region IV for being one of two Regions who had “Government Outreach Days”, formally “Day On The Hill” events in each of the state capitals.

At the CRC Awards lunch, Meghan McNulty, Atlanta Chapter, received the Regional “Majority Whip Award” for outstanding performance promoting ASHRAE. In addition, Randy Jones of the Charleston Chapter received the “Government Advocacy Award” for his active promotion of ASHRAE policies and outreach to government officials. In recent years he has served on numerous sub-committees within the Government Affairs Committee and has been actively working with South Carolina State Officials in counteracting the repealing of the energy code.

Tim Ashby – GAC RVC



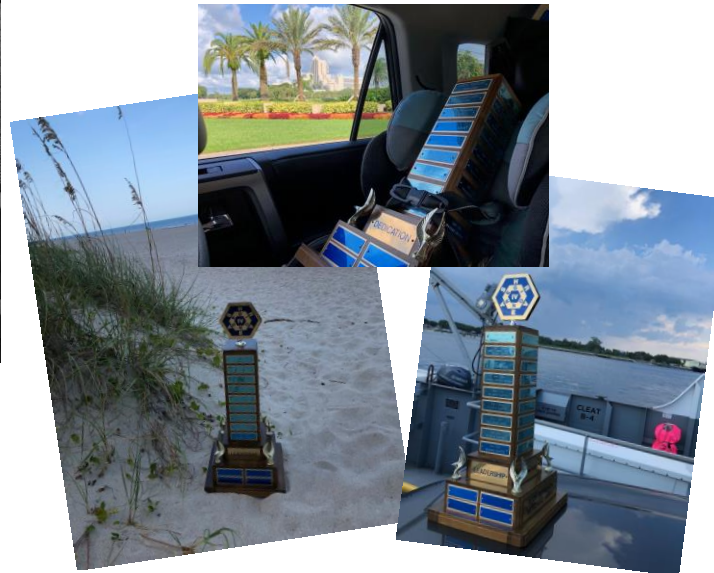


TRIANGLE HAS “FOUR-PEAT”

AND THE “RUDY” GOES ON SOME ADVENTURES

Congratulations to the Triangle Chapter for winning the coveted “Rudy” award for the fourth year in a row! The Rudy award is given to the best chapter in the region every year at the CRC. Criteria includes PAOE points, chapter participation in CRC, and RVC/DRC rankings, among other things.

After winning again, the Triangle Chapter took the trophy on several Florida adventures to celebrate.



CTTC UPDATE

DL SPEAKERS AND TECHNOLOGY AWARDS

We are looking forward to a great 2018-19 year with programs. In 17-18 programs were very highly rated and utilized 21 Distinguished Lecturers (DL’s) with 11 official allocations. This year we have 10 allocations for the region and we are already starting off strong with a couple September DL’s scheduled to present at meetings. Our next task is to further promote the ASHRAE Technology Award program. <https://www.ashrae.org/membership/honors-and-awards/technology-awards-program>. The purpose of the ASHRAE Technology Awards program is to:

- Recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data;
- Communicate innovative systems designs to other ASHRAE members;
- Highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners.

Please continue to discuss this program with your members, engineers, and other associates as a great way to promote the innovation that occurs within ASHRAE.

Chris Adams – CTTC RVC

MEMBERS COUNCIL

UPDATE ON THE REGION IV MOTIONS

All of our motions from the past couple of years can be found here - www.ashrae.org/society%20groups/chapters/crc-motions

Southern Piedmont Chapter – Motion 4c (10/14/2016): That ASHRAE create an annual stipend of \$100,000, paid monthly to the President of Society.

Answer: This motion was referred to the Society Executive Committee. The Society Executive Committee was not in favor of this motion. A leader of a volunteer organization should be a volunteer without any pay. A possible solution is to add more Vice Presidents to the Executive Committee. (Complete)

Charleston Chapter – Motion 8a (10/14/2016): That DRCs, ARCs and RMCRs be given read only access to all chapter online activities at ASHRAE.org and ASHRAERP.com to be able to monitor the Chapter activities within their respective Regions

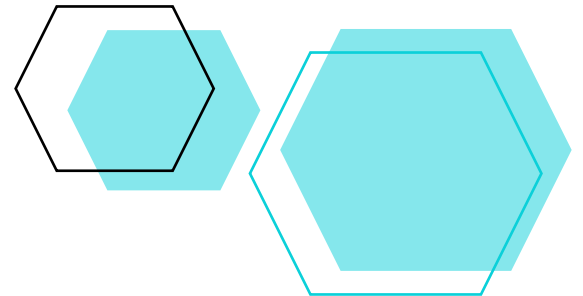
Answer: This motion failed. Regional officers have access to their chapters' database. There may be some who may not have access to the ashraerp.com, if this is the case they need only to notify RP Staff. (Complete)

Southern Piedmont Chapter – Motion 8b (10/14/2016): That ASHRAE extend chapter reporting access to outgoing chapter president.

Answer: This motion failed. Chapters can give access by adding the chapter past president as a chapter administrator. (Complete)

It appears that Society is finally paying attention to Membership and looking into why we cannot grow our membership. There are so many ideas and thoughts that come up at CRCs and Society meetings on why we cannot retain members. It would be valuable to hear your thoughts on ideas to either promote ASHRAE or make it more Valuable for our members. Remember this is our ASHRAE, if you would like to change something let's do it.

Steve Marek – RMCR



STUDENT ACTIVITIES UPDATE

FOCUS ON K-12 AND STEM

2017-18 was an excellent year for Student Activities, which in turn means it was a great year for our students. As our industry continues to thrive, the need of employers for more talent and opportunity for career growth continues to rise. The earlier we engage students and inform them of the opportunities within our industry, the better chance we have at capturing their attention and making a positive impact on their lives.

A special congratulations and thank you goes to our 2017-2018 Student Activities Region IV Award Winners:

Lamp of Knowledge – Mark Bingham (North Piedmont Chapter)

Golden Apple – Natalie MacDonald (Triangle Chapter)

Buddy Williams Award – Joe Christie & Jon Crockett (Southern Piedmont Chapter)

I would like to urge each Chapter to make it a goal for the year to achieve the K-12/STEM Leadership Award. This award is presented at the CRC. Criteria for the award is for all Chapter Officers plus the K-12/STEM Champion to attend and participate in at least one K-12/STEM event. If the chapter does not have a K-12/STEM Champion, then the SA chair must participate.

Let's get this ASHRAE year kicked off in high gear for our Region and for our Students!

Adam Parker – SA RVC



CHAPTER UPDATES

NEED MORE INFORMATION ABOUT THE CHAPTERS? BE SURE TO VISIT THEIR WEBSITES!

Atlanta www.ashraeatlanta.org

Student Activities will be present at the 11th Annual STEM Career Fair on August 25. In the beginning stages of planning our 1st 5k race. More details to follow. September 11th will be our Chapter meeting. Guest speaker is Lorrie Todd to discuss "How UV-C Can Reduce Energy, Maintenance Costs and Improve IAQ". First year of compliance with the City of Atlanta's energy audit requirement for existing buildings, as part of the Commercial Building Energy Efficiency Ordinance. A meeting with staff from Office of Resilience will be held after the September Chapter Meeting on September 11th at 1pm. Atlanta Chapter members will be providing technical assistance to communicate Standard 211's definition of Level 2 energy audits to building owners.

Charleston www.charlestonashraechapter.wildapricot.org

Greenville www.ashrae4greenville.com

North Piedmont www.northpiedmont.org

The North Piedmont chapter is very excited about the upcoming year and continuing our long-standing role as one of the best organizations in the area. We recently enjoyed a fantastic joint CRC with Region XII where we were able to see many familiar faces from Region IV as well as make some new friends from Region XII. The South Carolina chapter did a great job helping coordinate and setup the event. We are currently finalizing our schedule for the year but already have an exciting meeting planned for September where we will be welcoming Devin Abellon (DL) to our chapter. In October we are planning on hosting a joint meeting with our student chapter (North Carolina A&T State University) and are currently planning multiple sustainability projects. Stay tuned.....

South Carolina www.southcarolina.ashraechapters.org

Southern Piedmont www.spashrae.com

Triangle www.triangleashrae.com

Visit the Region IV website at
[www.region4.ashraeregions.org/
index.html](http://www.region4.ashraeregions.org/index.html)

Want to add something to the
newsletter? Contact Kim Pierson at
kdpwildcat@gmail.com





Online Instructor-Led Courses

\$284 (\$219 ASHRAE Member)

Two-part courses: **\$484 (\$359 ASHRAE Member)**

All courses are archived for a period of time after their initial presentation. Receive a 10% discount on the PDF format of the Recommended Reference. (Discount is included in item prices on registration form.)

2018 Online Course Series:

- \$284 non-member / \$219 member (Two-part courses: \$484 non-member / \$359 member)
- Earn 3-6 PDHs
- [See course listing](#)
- Register five or more and Save!

Click Here to [Register Today!](#)

**Humidity Control I: Design
Tips and Traps IAQ Practices** 21 Aug 2018

**Humidity Control II: Real-
World Problems and
Solutions IAQ Practices** 28 Aug 2018

**Successfully Managing the
Risk of Legionellosis Using
ASHRAE Standard 188-2015
(Co-sponsored by NSF)** 12 Sep 2018

**Designing and Operating
High-Performing Healthcare
HVAC Systems** 18 Sep 2018

**Energy Modeling Best
Practices and Applications -
Two-Part Course** 02 Oct 2018

**High-Performance Building
Design: Applications and
Future Trends ES Practices** 29 Oct 2018

**Complying with ASHRAE
Standard 90.1-2013:
HVAC/Mechanical ES
Practices** 06 Nov 2018

**NEW! Understanding and
Designing Chilled-Beam
Systems** 08 Nov 2018

**Variable Refrigerant Flow
System: Design and
Applications** 28 Nov 2018

**Fundamental Requirements
of Standard 62.1-2013 IAQ
Practices** 11 Dec 2018

HVAC Design and Operation Training:

- 3 courses, 7 days of instruction
- Improving Existing Building Operation \$599 non-member / \$499 member
- Level I - Essentials \$1,264 non-member / \$1,009 member
- Level II - Applications \$854 non-member / \$699 member
- World-wide HVAC training available, view training [schedule](#)
- **Register** early and Save!

HVAC Design Training

City	Level I	Level II
Washington, DC	September 10–12, 2018	
Denver, CO	September 24–26, 2018	September 27–28, 2018
Minneapolis, MN	October 15–17, 2018	October 18–19, 2018
Atlanta, GA	November 12–14, 2018	November 15–16, 2018
Las Vegas, NV	February 18–20, 2019	February 21–22, 2019
Hartford, CT	March 11–13, 2019	March 14–15, 2019
Atlanta, GA	April 15–17, 2019	April 18–19, 2019
Toronto, ON	May 20–22, 2019	May 23–24, 2019
Vancouver, BC	June 10–12, 2019	June 13–14, 2019

Scholarships Available - Apply Today!

Through its scholarships, ASHRAE seeks to motivate students and prospective students worldwide to pursue an engineering or technology career in the HVAC&R field. The Society's Scholarship Program also serves the public interest by aiding in the education of men and women to become qualified to practice as engineers in HVAC&R. ASHRAE has 28 scholarships available for the 2018-19 school year, for high school seniors entering college through senior undergraduate engineering students and engineering technology students. ASHRAE is seeking your assistance in making student members aware of this financial assistance.

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

- * 8 regional/chapter and university-specific scholarships — \$3,000 to \$5,000 each. Now accepting applications!
- * 12 undergraduate engineering scholarships — \$3,000 to \$10,000 each. Now accepting applications!
- * 4 high school senior scholarships — \$3,000 each
- * 4 engineering technology scholarships — \$5,000 each

Qualified students are encouraged to apply online:

www.ashrae.org/scholarships

Annual Application Deadlines:

May 1st for Engineering Technology and High School Senior Scholarships

Scholarships are awarded for the academic year following the application deadline beginning with the fall semester. For a list of available scholarships, complete eligibility requirements, and an application, visit www.ashrae.org/scholarships



Are you missing out?

Don't miss out on the latest ASHRAE publications! For more information, visit the Resources and Publications page:

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

www.ashrae.org/resources--publications

How to Join ASHRAE



1. Visit <http://www.ashraeatlanta.org/> to start the process
2. Click "Membership" on the horizontal menu bar
3. On the pull down menu, click "Join"
4. Enter your email address in the box "Verify your E-mail status"
5. 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".
6. After you complete registration, you will be directed to the Individual Information page where you can finally select "Join ASHRAE"!

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.

2018-2019 Chapter Officers



Irvin Sierra – President
president@ashraeatlanta.org

Irvin is currently a Commercial Engineer Manager with Lennox Industries for the greater Atlanta area. He received his Bachelor of Science degree in Mechanical Engineering Technology from Wentworth Institute of Technology in Boston, MA. Irvin started his career in HVAC as a consulting engineer and moved into HVAC sales in 2003. He relocated to Atlanta with his family in 2005 and has been a volunteer with ASHRAE for several years and organized the ASHRAE Atlanta Trade Show (2 years). He has held positions of Communications Chair, Student Activities Chair and is currently the Chapter Secretary.



Parker Brunelle – Vice President
vicepresident@ashraeatlanta.org

Parker is currently a Mechanical Sales Engineer with Joe Powell and Associates for North Georgia. He received his Bachelor of Science degree in Mechanical Engineering from Florida State University in Tallahassee, FL. Prior to Parker's professional engineering career, he played professional baseball in the Boston Red Sox organization. He started his professional engineering career as a consulting engineer in the Nuclear Power generation field. In 2015, Parker changed fields to the HVAC sales engineering field with JPA. He has been a member of the Atlanta ASHRAE Chapter for two years and has been the YEA chair for the past two years, and is currently the Chapter Secretary.



Pedro Pacheco – Treasurer
treasurer@ashraeatlanta.org

Pedro is currently a Specifications Designer with Building Systems Design, Inc. (BSD SpecLink) for the greater Atlanta area. He received his Bachelor of Science Degree in Mechanical Engineering from the Polytechnic University in San Juan, PR. Pedro started in HVAC as a controls engineer within the pharma, laboratory, healthcare, and manufacturing fields. Pedro holds a PE license in various states, LEED-AP credential, and participates in the Atlanta Chapter of the Construction Standards Institute (CSI). In 2017, Pedro went into developing Division 25 (Integrated Automation) specification content per CSI's MasterFormat as a way to consolidate and ease existing HVAC controls means and methods currently listed under Division 23. He has been an ASHRAE member since 1999, joining the Atlanta Chapter on 2003, held various Chapter level positions since 2010 including Board of Governors, Membership Promotion Chair, Administrator, Refrigeration Co-Chair, Technology Transfer Co-Chair, Secretary, and this year as Treasurer.



Matthew Mumpower – Secretary
secretary@ashraeatlanta.org

Matthew Mumpower is currently the ASHRAE Atlanta Chapter Secretary, and is a seasoned mechanical engineer with over 12 years' experience in HVAC consulting engineering industry for large scale commercial buildings. His project experience has included healthcare, laboratories, mission critical data centers, higher education in addition to other challenging projects. Matthew is proficient in detailed commercial building information modeling (BIM), energy analysis, CFD calculations and Mechanical/HVAC, Plumbing and Fire Protection system design. He focuses design efforts to achieve energy efficiency, reliability and flexibility, with an emphasis of life safety. Bachelor of Science Mechanical Engineering - North Carolina State University. Professional Engineer: Georgia, North Carolina

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>



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

Sarah Young, our Communications Chair invites you to connect with the ASHRAE Atlanta Chapter on networking social media



www.facebook.com/ASHRAEAtlanta



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

(Let's Connect)



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



Sarah Young

Electronic Communications Chair, Atlanta Chapter

syoung@dlbassociates.com

Events

- 10/12: USGBC Georgia Regenerative Design Summit and Green Awards Reception (Atlanta Botanical Garden)
 - WHO: 150+ attendees from various professional sectors – owners, engineers, architects, consultants, etc.
 - WHAT: One-day summit focused upon regenerative design featuring a keynote speech from Bill Reed of Regenesys Group and a series of other premier panel discussions and presentations. The evening will be highlighted by the Georgia Green Awards Reception – where people and projects will be celebrated.
 - WHEN: 9am – 7pm, Friday, October 12th
 - WHERE: Atlanta Botanical Garden, Atlanta, GA
 - WHY: Atlanta continues to be a growing and thriving market for the green building community and these events will further highlight and celebrate all of the leadership occurring in the city and throughout the state, as well as further the conversation and actions surrounding regenerative design
 - HOW: Attend (\$75 for the Summit & Reception) and/or sponsor (starts at \$500)

- 10/18: USGBC Georgia Resiliency and Hospitality Panel Discussion (Savannah Convention Center)
 - WHO: 50+ attendees from building, design, construction, urban planning, and the hospitality sector
 - WHAT: Panel discussion and luncheon of leading experts in the South Atlantic region focused upon the impacts of resilient design, city planning, applied strategies, and featuring the key economic sector: hospitality
 - WHEN: 11:30am – 2pm, Thursday, October 18th
 - WHERE: Savannah International Trade & Convention Center, Savannah, GA
 - WHY: Hurricane Florence is the most recent example and reminder of why resilient design, preparation, and approaches are critical
 - HOW: Attend (\$25) and/or sponsor (starts at \$250) in Atlanta, at the end of September.

Shelby Busó

Director, Market Transformation & Development

US Green Building Council

202.705.6414