

The official newsletter of the Triangle Chapter of ASHRAE
(the American Society of Heating, Refrigeration and Air conditioning Engineers)

CHAPTER NEWS:

President's Message

Well, it has been another outstanding year for ASHRAE Triangle Chapter. All of our Chapter Officers and Committee Chairs have done a fantastic job, and we are in a great position moving forward into the 2018-2019 fiscal year. I know that your 2018-2019 Chapter President – Kermit Cobb will do an outstanding job for the Triangle Chapter. He will be surrounded by experienced veterans and a few new faces that will bring some more energy to the group. Please join me in supporting all the new leaders of our Chapter.

I do hope that I get a chance to see many of you at the upcoming 2018 Joint Chapter Regional Conference to be held in Orlando, Florida on August 8-11, 2018. The event is being jointly sponsored by Region IV and Region XII and will be held at the World Center Marriot in Orlando. There are many technical sessions for those attending, and there are lots of planned activities for spouses including complimentary shuttles to surrounding Disney Parks and Disney Springs. Certainly a good time for all!!

It has truly been my pleasure serving you as Chapter President this year. We are very fortunate to have such a great group of folks to work with. And I especially want to thank all the Chapter Members that have been supportive of our organization for many years. As I have mentioned before the Triangle Chapter will be celebrating 50 years this October. Be on the lookout for some exciting news on how we plan to celebrate this milestone achievement.

Thanks again to all and I'll see you
at the next ASHRAE Meeting!!
Greg Mills, 2017-2018 Chapter President
July 9, 2018



Upcoming Events

August 8-11, 2018
Chapter Regional
Conference (CRC)
@ Lake Buena Vista, FL

For more info, event
schedules, golfing details,
fees, & registration

[<click here>](#)

(see Society News below
for more details)

Spring Cornhole Tournament

The Triangle Chapter of ASHRAE Spring Cornhole Tournament was hosted by YEA on Friday the 13th of April at Lynwood Brewing Concern in Raleigh. Seven teams competed and many other ASHRAE members attended to show their support. All proceeds from this tournament benefit ASHRAE research projects.

Cary Faulkner and Taine Mergenthaler (shown at right), won the tournament. Congrats, guys!



2018 Leadership Academy

Three members for the Triangle Chapter of ASHRAE attended the 2018 Leadership Academy from May 18-19 at the ASHRAE Society Headquarters in Atlanta, GA. Attendees joined other upcoming leaders in ASHRAE from all regions and chapters throughout the country and the world to learn more about ASHRAE and its organization on a chapter, regional, and societal level, their role within the society, and pertinent leadership skills.



(From left to right) Natalie MacDonald, Weston Hockaday, and Kirby Lee in front of the ASHRAE headquarters with their certifications of attendance to the 2018 Leadership Conference.

SOCIETY NEWS:

ASHRAE Awards More Than \$113,000 to Fund 25 Undergraduate Projects

ASHRAE announced its 2018 Undergraduate Program Equipment Grants, encompassing a group of 25 undergraduate projects led by students from around the world. The awarded grants total more than \$113,000 and will help the winning students to complete undergraduate projects.

The Undergraduate Program Equipment Grants is an ASHRAE program that provides grants to engineering, technical and architectural schools worldwide. Its goal is to increase student knowledge, learning and awareness of the HVAC&R industry through the design and construction of senior projects. Grants are used to fund equipment and supplies for senior projects and two-year technical school projects that focus on ASHRAE-related topics.

ASHRAE Publishes Energy Simulation-Aided Design Standard

ASHRAE published a new standard describing a methodology to apply building energy modeling throughout the design process.

ASHRAE Standard 209-2018, Energy Simulation Aided Design for Buildings except Low Rise Residential Buildings, defines minimum requirements for providing energy design assistance using building energy simulation and analysis.

The standard defines consistent energy modeling procedures to quantify the impact of design decisions when they are being made. To minimally comply with Standard 209-2018, building project teams must evaluate energy-efficiency options using modeling early in the design process (schematic design).

2018 Joint Chapters' Regional Conference (CRC)

The annual meeting of the regional chapters will be held at:
Lake Buena Vista, Florida – August 8-11, 2018

Attending Regions and Chapters:

Region 4 Chapters:	Atlanta, Charleston, Greenville, North Piedmont, South Carolina, Southern Piedmont, Triangle
Region 12 Chapters:	Florida West Coast, Central Florida, Miami, Jacksonville, Gold Coast, Spacecoast, Southwest Florida, Puerto Rico, Argentina, Chile, Brazil, Colombia, Ecuador, Paraguay
Region 4 Sections:	Macon, Myrtle Beach, Savannah, Hickory
Region 12 Sections:	Sarasota-Bradenton, Costa Rica, Panama, Dominican Republic, Peru

Lead by: Region 4 Director and Regional Chairman George W. "Billy" Austin Region 12 Director and Regional Chairman Daniel Rogers

Location: Official Hotel: World Center Marriott 8701 World Center Drive, Orlando, FL 32821 407-238-4200
All Dress will be Business Casual unless stated otherwise in Agendas. All events will be at the World Center.

Committee Reports:

Membership Promotion (MP) Committee:

We have worked hard to encourage renewals and new members. Our numbers continue to grow because ALL OF YOU are talking about ASHRAE and why we belong and information and new connections that you take away from coming to our meetings!

THANKS for keeping the momentum going.
We look forward to even more new folks in the Fall and over the next year!

Student Activities Committee:

We had a fantastic year for student activities this year! Some highlights of our year include having our first ever bowling tournament to raise local scholarship funds, we gave out \$2,000 in scholarships to local student branch members, had ASHRAE members serve as mentors throughout the year to a local high school, and had multiple members serve as volunteer judges for NC State's Freshman Engineering Design Day. We stayed busy throughout the year to say the least! We also helped our new Wake Tech student branch kick off their new group. We're excited to have another great year in 2018-2019!

Research Promotion Committee:

The Triangle Chapter is on pace to set an all time record for donations to ASHRAE research. Not only will that make us look really good at CRC this year, but we're making an investment in our Region and the future of our industry. Over all, the support our chapter has shown and the support from thousands of members throughout the world, is helping to fund more than \$14 million worth of research worldwide this year. Thanks again to all our chapter sponsors and individual contributors for the 2017-2018 ASHRAE year!

Scholarships Committee:

The Triangle Chapter of ASHRAE awarded three local scholarships for the 2017-2018 year for a total of \$2,000 to local student branch members. The scholarships and their winners were as follows:

The **Paul Stahl scholarship (\$1000)** was awarded to:
William Bolton, an upcoming NCSU Freshman.

The **Manuel Gonzalez scholarship (\$500)** was awarded to:
Sanjyot Varade, a graduate student at NCSU.

The **Wake Tech Scholarship (\$500)** was awarded to:
Kenneth Barnes, a member of our new Wake Tech student branch.

Congratulations to our recipients this year for this wonderful accomplishment!! We thank you for your interest and involvement in ASHRAE. We wish you the best of luck in your future endeavors!

In addition to local Triangle Scholarships, our chapter was honored to be able to present a Society-Level scholarship to one of our members.

The **Jimmy Bullock Scholarship (\$5,000)** was award to:
Zachary Foster of our NC State University Student Branch,
during the April 11th chapter meeting.

Congratulations, Zachary!

Day on the Hill

Our 2nd annual Day on the Hill event was held on June 6th. Ten volunteers from the Triangle Chapter and neighboring North Piedmont and South Piedmont ASHRAE Chapters attended the afternoon event. Key meetings were scheduled with Representative Hardister (Guilford County) and Representative Arp (Union County) Chairman of the Energy and Public Utilities Committee. Volunteers visited the legislative offices in the afternoon and advocated for ASHRAE as a technical resource for any policy issue dealing with building sciences. The day was a great success and these new connections will be built upon for future GGAC committee events.



Spring Golf Outing:

The Triangle Chapter has another successful Spring Gold tournament this year! 84 people (21 teams) came out to support ASHRAE research promotion and have some fun in the sun. The Triangle Chapter raised \$12,000 with the event! The winners of the tournament were Matt Rowe, John Quiocho, Cameron Anderson, and Mike Whitehead. The runner-ups were Nick Meucci, Jeff Russel, Bobby Cooper, and Mike Mercorella.

Thanks to everyone who came to support our Chapter



Distillery Tour:

The Spring Refrigeration Tour this year, organized by Mike Dixon, was hosted by **Graybeard Distillery** in Durham, NC, the makers of Bedlam Vodka. This vodka is very unique in that it is distilled from long grain rice. It is one of the only vodkas made in this way in the world, and it is local to the Triangle Chapter!! Local chapter members enjoyed a tour of the facility, learning about the process of distilling, and getting a tasting of the vodka!



Global Giveback Week

In honor of Global Giveback Week, Local ASHRAE Chapter members volunteered in our local community the week of April 22nd.

Helping out at the Local Food Bank

On Friday, April 27th from 1-3pm, local Triangle Chapter members joined other community members to sort and package donated food at the Food Bank of Central and Eastern North Carolina.



Maintaining the walking trail at a local nature preserve

On Saturday, April 28th, four Triangle Chapter members got their hands a little dirty by providing trail maintenance at Durant Nature Preserve by mulching and beautifying a section of a walking trail.



Leadership Interviews:

Interview with Tim Ashby

Below is a recap of the communication between Chapter Historian Greg Mills, PE, and our previous Chapter President Mr. Tim Ashby, LEED AP BD+C on June 6, 2017.



Q1) *What steered you towards mechanical engineering design in the early stages of your career? College classes, HS classes, other*

A) My first introduction to engineering and design was as a sophomore in high school. I began a course in mechanical drafting and continued to progress to higher levels mechanical and architectural drafting in my junior and senior years.

Q2) *Do you feel the education you received in high school, prep school, or college prepared you for what you have seen in your career? Anything you would have done differently?*

A) The courses in high school served as a catalyst toward my career and contributed towards my course work in college. In retrospect, what was lacking was the practical application on mechanical engineering principals and design as it relates to the built environment. Much of that experience and knowledge was obtained primarily through working in an Engineering Office.

Q3) *Who was the greatest influence on you as a young engineer?*

A) There were a number of individuals whom contributed to my professional development as well as my personal development. Among the primary ones were Michael Edmondson, PE, Principle of Engineering at O'Brien Atkins; Tom Phoenix, PE, former ASHRAE President; and Greg Mills, PE, former Principle of Engineering at O'Brien Atkins. Each of these individuals were instrumental in mentoring me in different avenues of engineering practice and all remain close friends to this day.

Q4) *What engineering project or accomplishment that you have done in your career do you find to be the most rewarding? Any "lessons learned?"*

A) Having worked on numerous projects in my career, the one that was the most rewarding and the most enjoyable during the design construction process is the Wake County Justice Center. The lesson learned is always attempt to build the best owner, design, and contractor team available to you. Team work always equals success.

Q5) *What do you consider the greatest challenge facing ASHRAE today with regards to recruiting young talent to our industry?*

A) Much is demanded on the time of young engineers. Many firms are extremely busy and do not have sufficient trained staff to accomplish the work load. In addition, much competition from numerous organizations is vying for everyone's experience and time. ASHRAE must continue to reach out to young individuals in engineering school by getting them involved in the local Chapter and reinforcing the importance of ASHRAE in their career.

Q6) *If elected to Society Level President what would be your theme or message to our fellow ASHRAE Members?*

A) "Creating A Future To Make A Difference."

Q7) *Any future goals for the later stages of your career? Early retirement at the beach, new tequila distillery, etc.?*

A) Travel, Travel, Travel, and of course I am sure there would be a few tequila distilleries, and brewery's along the way. However I would be remiss to omit the fact that I expect a lot of competition from other Triangle ASHRAE members while doing so.

Q8) What one law, regulation or guideline would you like to see changed that effects how we design building engineering systems?

A) The concern I have is the trend affecting the engineering and design industry more so than any specific law or regulation. Those include state legislators succumbing to the lobbying efforts of the contractor and home builders associations which have their "bottom line" interest at heart, rather building sustainable, energy efficient facilities. This underscores the importance for ASHRAE to be involved at the State and Local levels of government to promote ASHRAE standards and educate the policy making.

Q9) Do you think LEED is going by the wayside? Is new ASHRAE Std. 189 going to take over?

A) Whereas LEED has been instrumental in promoting sustainable and high performing buildings and educating the public on the importance of sustainable design, the increasing cost of certification and the increasing demands of each new version of LEED is resulting in some resistance from some owners, organizations and municipalities. Increasing attention is being given to several programs and standards such as ASHRAE 189.1 that are available to encourage and promote the design of high performance.

Q10) Any question of your choice... Why is ASHRAE Important to Me?

A) ASHRAE is an organization of dedicated, highly trained leaders in Engineering who are contributing their time and expertise promoting and establishing standards to improve everyone's quality of life. The opportunity to serve with and beside these great minds is an honor and to experience the diverse knowledge and wisdom of Engineers from all over the world is an experience one could not capture anywhere else.

Very Respectfully,

Gregory A. Mills, PE, CEM, LEED AP BD+C

Chapter Historian 2016-2017

LEADERSHIP TEAM for 2018-2019

Per the elections in the spring, and subsequent committee assignments,
here is the next leadership team.

(Their contact email will be on the Leadership Page of the chapter's website)

President.....	Kermit Cobb
Vice President (& Pres Elect)	Kirby Lee
Treasurer	Weston Hockaday
Secretary	Natalie MacDonald
Chapter Technology Transfer Committee (CTTC) - Chair.....	Kirby Lee
Research Promotion (RP) - Chair	Silas George
Research Promotion (RP) - Co-Chair.....	Chris Norwood
Membership Promotion (MP) - Chair.....	Lorrie Todd
Membership Promotion (MP) - Co-Chair.....	Bennett Funderburk
Government Affairs Committee (GAC) - Chair	Adam Sippel
Government Affairs Committee (GAC) - Co-Chair	Greg Mills
Young Engineers in ASHRAE (YEA) - Chair	Alex Gasper
Student Activities (SA) - Chair	Ben Bingham
Historian.....	Jeff Cline
Refrigeration - Chair	Peter Shreffler
K-12 STEM - Chair	Rob Armstrong
Publicity - Chair	Adam Sippel
Sustainability - Chair.....	Tim Ashby
CRC Coordination	Rob Armstrong
Chapter Awards and Honors	Jimmy Leonida
Chapter Awards and Honors	Greg Mills
Chapter Awards and Honors	Chris Norwood
Electronics Communication - Chair, Webmaster.....	Ed Davis
Electronics Communication - Member	Silas George
Board of Governors (& Past President)	Greg Mills
Board of Governors	Chris Norwood
Board of Governors	Jimmy Leonida
Board of Governors	Tim Ashby
Board of Governors	Rob Armstrong

Contact US	Thank you to our sponsors!!	INFORMATION available on the Chapter Website.
<p>President: Kermit Cobb: President@TriangleASHRAE.org</p> <p>Membership: Lorrie Todd: Membership@TriangleASHRAE.org</p> <p>Webmaster & eMail: Ed Davis: Webmaster@TriangleASHRAE.com</p> <p>Want to join ASHRAE? Go to https://www.ashrae.org/membership--conferences/join-now</p> <p>Click "Join Online" Fill out the Information You now belong to ASHRAE ! If you selected the Triangle Chapter as your "home chapter" than within a day your data will be merged with our website as a national AND chapter member, so you can fully use the chapter website's information.</p> <p>Check out our Facebook Group: https://www.facebook.com/groups/TriangleASHRAE/.</p>	<p>CaptiveAire</p> <p>Faulkner Haynes</p> <p>Thermal Resource Sales</p> <p>SPC Mechanical</p> <p>Heat Transfer Sales</p> <p>James M. Pleasants Co.</p> <p>Dewberry</p> <p>Hahn Mason</p> <p>Hoffman & Hoffman</p> <p>Johnson Controls</p> <p>Palmetto Air & Water</p> <p>SSI Services</p> <p>Xylem</p> <p>Bernhard MCC</p> <p>Chapman Company</p> <p>Kirlin Carolinas, LLC</p> <p>UV Resources</p>	<p>www.TriangleASHRAE.com</p> <p>Calendar of Events, Chapter Officers, Committee Members, (names, pictures, contact info)</p> <p>About ASHRAE Chapter Charter & Bylaws Classified (local) Job Listing Posted resumes (of members)</p> <p>Also available on the website (for Members):</p> <p>Past Newsletters, BoG Meeting Minutes, Past Meeting Slides Past Chapter Newsletters</p>

OTHER NEWS

Professional Engineers Day August 1

Celebrate Licensure and the Profession with PEs Around the World
on August 1, 2018 for the third annual Professional Engineers Day

On August 8, 1907, the first professional engineering license was issued to Charles Bellamy in Wyoming. Since that time, licensure has expanded and professional engineers across the U.S. have made the commitment to protect the public health, safety, and welfare. NSPE is celebrating licensed professional engineers with the third annual Professional Engineers Day on Wednesday, August 1, 2018. Join us as we raise awareness about what it means to be a PE, recognize licensed PEs, and show appreciation for the work they do each and every day.

Be a part of the virtual event on August 1, 2018!

Use #LicensedPEDay on Twitter, Facebook, Instagram, or LinkedIn to:

Upload a photo or video of yourself, tell us why you decided to become a PE

Post photos or videos of your team of PEs

Share your reasons for hiring PEs

Give special recognition to your PEs in the workplace or on the job

Educate your colleagues about the importance of the PE license