September/October Newsletter 2018

ASHRAE South Carolina Chapter



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UPCOMING IMPORTANT DATES

September Chapter Meeting.....September 26, 2018
October Chapter Meeting (MCA joint meeting).....October 04, 2018

September/October 2018

Hello from Orlando, FL where I am attending the Region IV and Region XII Joint Chapter Regional Conference. CRC is a great time for fellowship with colleagues from other chapters but more importantly and learn from their challenges and successes. Next year's CRC is in Mykonos Greece, and I encourage everyone in our local chapter to attend this yearly event. We will post information to the website www.scashrae.clubexpress.com as soon as registration is available.

August marks the beginning of a new ASHRAE year. I will be starting the second and last year of my 2 years commitment as President of the local chapter. We had a good year last year and hope to build on that success for the upcoming year. We fell a just short our fund-raising goal for ASHRAE Research Promotion of $11,500, we received a Presidential Award of Excellence Award from Region IV, and won the history award for having the best display at CRC.

I am excited about all the events and programs we have planned for this year. We will returning to having all of our meetings at 6pm at Still Hopes instead of switching between dinner and lunch. We will continue our tradition of holding an Oyster Roast at the Monticello Hunt Club in early December and Golf Tournament in May.



Michael Rushing
South Carolina Chapter President 2017-2019
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www.scashrae.clubexpress.com

September Chapter Meeting Notice

Tuesday, September 24, 2018 at 5:30 AM

The SC Energy Plan

The South Carolina Energy Plan was a collaborative effort started in 2016. Through a collaborative effort, over 80 recommendations for the state's energy future were included in the plan ranging from integrated resource planning to environmental justice concerns. Several study committees have been spawned as a result of the plan and the discussions are continuing to this day, this presentation will present an overview of the State Energy Plan and its relation to energy efficiency and ASHRAE's organizational mission. Please visit http://energy.sc.gov/energyplan for more information regarding the plan.



Conn Fraser has been with the South Carolina Energy Office since late 2015 and is a member of the technical assistance team. He assists in various endeavors related to the built environment including green building and performance contracting. He has an Environmental Science background with a focus in energy management and energy efficiency and assisted with the South Carolina Energy Plan's initial planning meetings and energy codes study committee.

Meeting Details

Date: Wednesday September 25, 2018 @ 5:30 PM
Social from 5:30 to 6:00PM

Speaker: Thomas M. Lawrence, Ph.D.

Location: Still Hopes, 1 Still Hopes Dr, West Columbia, SC 29169

Dinner will be provided at the meeting.

You MUST RSVP if you plan to attend the meeting. Please email us at scashrae@gmail.com. Also, you can also RSVP at http://www.scashrae.clubexpress.com. This helps the chapter accurately order food from the catering company

Applications Open for Leadership U





Are you active in your ASHRAE Chapter and looking to get more involved???? Make sure to apply for Leadership U! This program allows YEA members to shadow an ASHRAE Vice President at an ASHRAE Conference to get an in-depth look at the ins and outs of ASHRAE. Applications for the Leadership U program at the 2019 Winter Conference in Atlanta are open through October 1, 2018. Learn more.

With the 2018-2019 ASHRAE year starts, our YEA group thought it would be beneficial to host an event aimed at networking with other young professionals around the Columbia area. For those of you that don't know, YEA stands for Young Engineers in ASHRAE and we are the group of members under 35 years old that help promote ASHRAE events targeted at young professional engineers. Our aim is to not only network with other professionals in the industry, but also provide access to technical committees and scholarship opportunities.

As always, our chapter encourages anyone interested to come out to one of our monthly meetings for dinner, a great speaker, and networking! The Chapter still has a number of great events coming up, so check out http://scashrae.clubexpress.com/ for a list and to register!



Hunter Wilson
YEA Chair, SC Chapter
Hunter.Wilson@hoffman-hoffman.com

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In Student Activities, last year was great. This year will be better. We've started off great this year by getting our first Student Member from Midlands Technical College. If we can get enough Student Members at MTC, we can fund another Student Chapter. We also plan to grow our Student Chapter at USC and get them more involved with the Chapter. And we may do another K-12 event at a school closer to Columbia. We've also applied for funding via the Chapter Opportunity Fund to be able to sponsor a booth at the USC Career fair. If we get a booth, we'll need help manning it. The STEM portion of the career fair will be next Tuesday 9/25 from 12pm - 5pm. If we get approval, we'll send out a schedule with 1-hr blocks for volunteers to fill in.

https://app.joinhandshake.com/career_fairs/4796/student_preview

If you ever see any Student Members at our monthly meetings, please be sure to engage with them and help them feel welcome. They are ASHRAE's future.



Sam Bernstel
Student Activities Chair, SC Chapter
swb.engr@gmail.com

September/October 2018 Edition

Greetings!
Hi there, members
Once again, I would like to take this opportunity to welcome every member whether you are new to the ASHRAE organization or been member for a while. As we are gearing up for 2018-2019 fiscal year for the organization, I am hoping that you will enjoy your time and find it beneficial to join ASHRAE in terms of career development and industry networking.
Thank you.

Why Join?
Community – You'll see this incredible community fist-hand at the Winter Conference. Over 56,000 members, in 187 chapters. No matter what city you live in, chances are there is a group of ASHRAE friends nearby.
Involvement – Not required, but worth it. From technical committees to chapter-level volunteer opportunities, ASHRAE has a lot of ways for you to get involved.
Education – ASHRAE offers 900 Professional Development Hours of instruction, covering all major applications, and fundamentals. Members get discounts.
Publications – ASHRAE Members have access to the single largest source of HVAC&R knowledge in the world. And they get discounts.
ASHRAE South Carolina local chapter would not be successful without your support, if you have any questions about renewing the membership or would like to bring a new member to join ASHRAE, please don't hesitate to reach out to me, I will try my best to provide help and support.
We also encourage you to invite your co-workers, customers, suppliers or friends to come attend the local chapter events as guest or they can join as a member.
Joining ASHRAE membership Link (National Chapter)

https://www.ashrae.org/membership--conferences/join-now

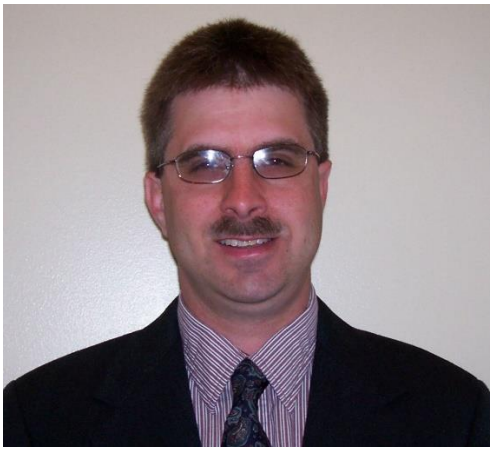
Chapter Name: South Carolina, Chapter # 031, Region IV
http://scashrae.clubexpress.com/

Seak-Hwa Tan
MP Chair, SC Chapter
Seak-Hwa.Tan@JCI.com

Calling All Pieces of History!

Greetings everyone! We are very excited for a new year at ASHRAE. In a continuing effort to preserve the history of the South Carolina Chapter, we will be digitizing items of historical significance onto a central online database. With that being said, if there are any items that you've obtained over the years that you believe may help contribute to this preservation initiative, whether it be old pictures, signs banners, plaques, etc.. please contact Bryan Berg (bryan@hahnmason.com)

Below is a highlight of one of the SC Chapters past presidents!



President: 2009-2010
DAMON DITCH, P.E.
BEGAN HIS CAREER AT MECA, INC. IN 1990 AS A DRAFTSMAN & HVAC DESIGNER. FOUND TIME TO FINISH A MECHANICAL ENGINEERING DEGREE AND IS NOW A PROFESSIONAL ENGINEER, STILL WORKING FOR MECHANICAL ENGINEERING CONSULTING ASSOCIATES, INC IN THE FIELD OF MECHANICAL ENGINEERING.

On behalf of the entire South Carolina Chapter I'd like to thank all past presidents for their diligent work in making us a successful chapter year after year!



Bryan Berg
History Chair, SC Chapter
bryan@hahnmason.com

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I hope everyone has enjoyed their summer and football season has been kind to you so far. This year in RP, we're going to try a few new things. The first and most frequent will be 50/50 Raffles at all meetings and events. In case you don't know how this works, you buy as many tickets as you'd like at $1 a pop. At the end of the night, a ticket is drawn. 50% of the pot goes to the winner and 50% goes to RP. We are also exploring new options for larger RP sponsorships that include a year's worth of events, along with a few other perks. A few other Chapters in our region have started doing this with positive results. Of course, we'll have our annual Golf Tournament in the spring. We'll let everyone know of any other events as soon as possible.

At our next meeting, we will be honoring all those who donated to RP last year. Please be sure to attend and show them thanks for their support. And if you or your company were an RP donor last year, thank you so much.

We are in the planning stages for the 2019 ASHRAE golf tournament and we have set a goal to raise $11,500.00 from the event. Information regarding the date and location will be released very soon. Please consider all colleagues inside and outside the HVAC community who would interested in playing. The more teams that play, the more money we will be able to raise. We are also in need of hole sponsors, please consider donating to the research campaign.

Please consider making a donation to the research campaign. If you have any questions, contact me.

As always check www.scashrae.clubexpress.com to stay informed about the latest SC ASHRAE events.

Sam Bernstel and Trey Brown
RP Co-Chairs, SC Chapter
Swb.engr@gmail.com Trey.Brown@hbtech.biz

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Who will be the 2017-2018 ASHRAE Sponsors? Sign up now!

$800 – Diamond Chapter Sponsorship:

Includes:

- (1) Foursome for spring golf outing
- (1) Hole sponsorship for fall and spring golf tournaments
- Company logo on each newsletter and on SC Chapter main web page

$200 – Web Site Sponsor

Includes:

- Company logo on SC Chapter main web page

$200 – Chapter Meeting Sponsor

Includes:

- Table outside of meeting room for display or literature
- Logo on welcome message during meeting
- Announcement of sponsorship during meeting

If you would like to be a sponsor for the 2017-2018 calendar year, please click on the link for more information or contact Michael Rushing (below is the email) http://scashrae.clubexpress.com/content.aspx?page_id=22&club_id=28006&module_id=254034&sl=712922394.

Michael Rushing
Chapter Board of Governors, SC Chapter
Michael.rushing@hbtech.biz

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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 2015-16 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.

* 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



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 now!

Humidity Control I: Design Tips and Traps IAQ Practices 21 Aug 2018	**High-Performance Building Design: Applications and Future Trends ES Practices** 29 Oct 2018
Humidity Control II: Real-World Problems and Solutions IAQ Practices 28 Aug 2018	**Complying with ASHRAE Standard 90.1-2013: HVAC/Mechanical ES Practices** 06 Nov 2018
Successfully Managing the Risk of Legionellosis Using ASHRAE Standard 188-2015 (Co-sponsored by NSF) 12 Sep 2018	**NEW! Understanding and Designing Chilled-Beam Systems** 08 Nov 2018
Designing and Operating High-Performing Healthcare HVAC Systems 18 Sep 2018	**Variable Refrigerant Flow System: Design and Applications** 28 Nov 2018
Energy Modeling Best Practices and Applications - Two-Part Course 02 Oct 2018	**Fundamental Requirements of Standard 62.1-2013 IAQ Practices** 11 Dec 2018

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Are you missing out?

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

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/ft^2, 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

Publications page: www.ashrae.org/resources--publications

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How Do I Join ASHRAE?

1. Visit https://scashrae.clubexpress.com to start the process
2. Click "Membership" on the horizontal menu bar
3. On the pull down menu, click "Join our Mailing List"
4. A prospective member will then be directed to enter his or her email information.
5. Our Membership Promotion Chair will then contact you to walk you through joining our chapter

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Convenient and Useful ASHRAE Links

Again, this year, our use of the Internet to further embrace our goal of Modeling a Sustainable World will be continued. Please use the web sites listed below:

1. RSVP and prepay for each event through the SC ASHRAE http://www.scashrae.clubexpress.com. 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. Donate to ASHRAE Research Promotion. We have a fundraising goal of $11,500 this year, so please do what you can to help fund ASHRAE research. Donate here: http://scashrae.clubexpress.com/content.aspx?page_id=301&club_id=28006