



## March 2023 Newsletter

### President's Message:

Hello Southern Piedmont Chapter! Welcome to the March 2023 SPASHRAE Newsletter! As you read through this newsletter you will see updates from all of our chairs as to what they have planned or are planning for the year.



This month I am writing to you all about the upcoming Chapter Regional Conference (CRC). This event is hosted by each Chapter in Region IV once every 7 years.

This year the Triangle Chapter is hosting the event. Once a year, members from the NC/SC/GA chapters, along with regional & society representatives, gather to discuss ASHRAE business, socialize, gain technical knowledge, and network to develop relationships in the HVAC industry. This year CRC is taking place August 10<sup>th</sup>- 12<sup>th</sup> in downtown Wilmington, NC at the Hotel Ballast on the Cape Fear River.

During CRC, the SPASHRAE Board of Governors will be attending training sessions to get the prepared for the upcoming ASHRAE year. But you don't have to be a board member to attend! The event is open to any member of ASHRAE and their families! In fact, the Triangle Chapter has organized this year's CRC to provide a specific focus on family friendly activities. They have planned events at the Fort Fisher Beach & Aquarium plus a Dinner Cruise on the Cape Fear River.

CRC is a great way to see what really happens behind the scenes for ASHRAE. All the while socializing and networking. If you are interested in attending, all of the information about the event can be found here: [https://triangleashrae.com/CRC\\_2023](https://triangleashrae.com/CRC_2023)

### Chapter Officers, Board of Governors, Chair Members, RVC's and Sustaining Members

| Role            | Name  |
|-----------------|---|
| President       | Ben Coy <a href="mailto:Benjamin.coy@rmf.com">Benjamin.coy@rmf.com</a>                                  |
| President Elect | Erica Powell <a href="mailto:erica.powell@tranetechnologies.com">erica.powell@tranetechnologies.com</a> |
| Secretary       | Bryant Cornett <a href="mailto:Bryant.cornett@atriumhealth.org">Bryant.cornett@atriumhealth.org</a>     |
| Treasurer       | Val Simmons <a href="mailto:valariebayer@yahoo.com">valariebayer@yahoo.com</a>                          |

|                           |  |
|---------------------------|--|
| Membership Promotion (MP) | Mariana Haddad <a href="mailto:mariana.haddad@carrier.com">mariana.haddad@carrier.com</a>                  |
| MP Co-Chair               | Tim Cannon <a href="mailto:Timothy.cannon@carrierenterprise.com">Timothy.cannon@carrierenterprise.com</a>  |
| Research Promotion (RP)   | Erica Powell <a href="mailto:erica.powell@tranetechnologies.com">erica.powell@tranetechnologies.com</a>    |
| RP Co-Chair               | Stephen Wren <a href="mailto:swren@gwceng.com">swren@gwceng.com</a>  |
| RP Co-Chair               | Patrick Irick <a href="mailto:patrick.irick@tranetechnologies.com">patrick.irick@tranetechnologies.com</a> |
| CTTC Chair                | Ryan Staton <a href="mailto:ryan.j.staton@jci.com">ryan.j.staton@jci.com</a>                               |
| CTTC Co-Chair             | Justin Hauser <a href="mailto:justin.hauser@carrier.com">justin.hauser@carrier.com</a>                     |
| Student Activities        | Don Gariepy <a href="mailto:dgariepy@uncc.edu">dgariepy@uncc.edu</a>                                       |
| Student Act. Co Chair     | Tyler Tufts <a href="mailto:ttufts@unitedhvac.com">ttufts@unitedhvac.com</a>                               |
| Gov. Affairs              | Billy Austin <a href="mailto:baustin@shultzeg.com">baustin@shultzeg.com</a>                                |
| YEA                       | Patrick Irick <a href="mailto:patrick.irick@tranetechnologies.com">patrick.irick@tranetechnologies.com</a> |
| Refrigeration             | Jeff Magnusson <a href="mailto:jmagnusson@insightusa.com">jmagnusson@insightusa.com</a>                    |
| Historian                 | Chuck Curlin <a href="mailto:ccurlin@shultzeg.com">ccurlin@shultzeg.com</a>                                |
| Webmaster                 | Chris Adams <a href="mailto:cadams@insightusa.com">cadams@insightusa.com</a>                               |
| RVC SA                    | Adam Parker <a href="mailto:aparker@insightusa.com">aparker@insightusa.com</a>                             |
| RVC CTTC                  | Chris Adams <a href="mailto:cadams@insightusa.com">cadams@insightusa.com</a>                               |
| RVC MP                    | Tim Cannon <a href="mailto:tim.cannon@heattransfersales.com">tim.cannon@heattransfersales.com</a>          |
| RVC RP                    | Val Simmons <a href="mailto:val@hahn-mason.com">val@hahn-mason.com</a>                                     |
| Sustaining Members        | Frank Shephard <a href="mailto:shepardpe@gmail.com">shepardpe@gmail.com</a>                                |
| Sustaining Members        | Rick Hahn <a href="mailto:rick@hahn-mason.com">rick@hahn-mason.com</a>                                     |
| Sustaining Members        | Richard McCracken <a href="mailto:rmccracken@cmta.com">rmccracken@cmta.com</a>                             |
| Sustaining Members        | David Brown <a href="mailto:dbrown@unitedhvac.com">dbrown@unitedhvac.com</a>                               |

**Membership Promotion (MP) – Mariana Haddad**

Hello SPASHRAE Members!

On behalf of the ASHRAE chapter, I would like to extend a warm welcome to all of our new members. We are excited to have you join our community of HVAC professionals, and we look forward to working with you to advance our mission of promoting sustainable and efficient HVAC systems. As a member of ASHRAE, you will have access to a wealth of resources, including technical publications, research reports, and educational opportunities. You will also have the opportunity to network with colleagues from around the world and participate in local events and activities. We encourage you to take advantage of these resources and to get involved with our chapter. Together, we can make a difference in the HVAC industry and contribute to a more sustainable future.



| <b>New Member</b> | <b>Company</b>                |
|-------------------|-------------------------------|
| Dean Alan Ochsner | OchsnerEFS, p.c.              |
| Jacob Wise        | McKim and Creed               |
| Russell Smyre     | DLR Group                     |
| Nathan Dougherty  | Barrett Woodyard & Associates |



## **Research Promotion (RP) – Erica Powell**

Hey SPASHRAE!

We had a very successful Charlotte Checkers Refrigeration Event last week on March 8th. We had a wonderful tour of the building and a great explanation regarding the ice maintenance process and system. We had 30 attendees and raised \$270 for RP! We will definitely be keeping this event on the RP calendar for a while so if you missed it, you can try again next year.



The last major RP event of the year is our Spring Annual Golf Tournament taking place on May 3<sup>rd</sup> with a noon shotgun start at Tega Cay Golf Club in South Carolina. We have a lot of interest so far so secure your spot while you can! We also have great sponsorship opportunities still available including our hole sponsorship and we are introducing some special sponsorship opportunities like company logo golf balls and company logo ball and tee markers. If you are interested, please let me know. Due dates for those special sponsorships are April 12<sup>th</sup>.

Special shoutout to Siemens for signing up to be a gold sponsor. We are so excited to have your represented at our upcoming chapter events!

## **Chapter Technology Transfer Committee (CTTC) Chair – Ryan Staton**

Do you ever wonder how we choose our speakers? A peek behind the SPASHRAE curtain at how we end up with this month's speaker Tom Phoenix: Before our February board meeting, I told the board that I was still in search of a speaker for March. Fellow board member Erica Powell volunteered that she had recently spoken to Tom and that he may be willing to speak to our chapter. We asked Tom to speak, and he graciously accepted our invitation.



This chapter is driven by your suggestions, interests, and contacts. If you have a suggestion for a topic or a speaker, we always want to hear from you.

Next month's meeting (April) we will have a GAC Theme and have Dru Crawley speaking to us about Decarbonization. I hope to see you there!



## Student Activities Chair – Don Gariepy

Hello from Student Activities! This has been an action-packed month between February and March.

First, in Recognition of National Engineers Week SA hosted a STEM Event at Pine Grove Christian Academy on February 12, 2023. I would like to send a special thanks to our SPASHRAE Treasurer Val Simmons for setting this up with her daughter's school and Mrs. Gary and Mrs. Sharron the class Teacher and Principal for allowing us the opportunity to bring ASHRAE to their students.



On March 9th, SA Co-Chair Tyler Tufts hosted our 3rd Annual College of Engineering and SPASHRAE Career Fair!

They saw about 60 students come through to talk with the companies and leave their resumes to get a chance at an internship or fulltime employment in the HVACR industry. Special Thanks to all the Sponsoring Companies, UNC Charlotte's Cone Center, and the William States Lee College of Engineering.

Thanks: Hahn Mason Inc., CPH corp., RMF Engineering, McKenney's, Hoffman & Hoffman Inc., Optima Engineering, Weeks Williams DeVore, Inc., United Mechanical Corp., VP Engineering, and Trane.

ASHRAE Student Activities - upcoming deadlines have been sent to current Student Branch Advisors. Please reach out to me if you have any questions or concerns with your branch activities.

Here is a quick overview:

- May 1st deadline
  - Freshmen Engineering Scholarships - \$5,000 each
  - High School Senior Scholarships - \$3,000 each
- May 4th deadline
  - 2023 Design Competition (HVAC Design Calculations, HVAC System Selection, & Setty Family Foundation Net Zero Energy Design)
- May 31st deadline
  - Annual Student Branch Reports
  - SBA of the Year
- June 8th deadline
  - Setty Family Foundation Applied Engineering Challenge



## **Government Advocacy Committee (GAC) Chair – Billy Austin**

Dear ASHRAE Southern Piedmont Chapter,

The following is ASHRAE's view on building decarbonization. Please let me know if you have any questions on how ASHRAE is addressing decarbonization. Thank you!

### **ASHRAE's VIEW**

ASHRAE's position is that eliminating GHG emissions from the built environment is essential to addressing climate change. To do this, it is ASHRAE's position that:

- Decarbonization of buildings and their systems must be based on a holistic analysis including healthy, safe, and comfortable environments; energy efficiency; environmental impacts; sustainability; operational security; and economics.
- By 2030, the global built environment must at least halve its 2015 GHG emissions, whereby:
  - o all new buildings are net-zero GHG emissions in operation,
  - o widespread energy efficiency retrofit of existing assets are well underway, and
  - o embodied carbon of new construction is reduced by at least 40 percent.
- By 2050, at the latest, all new and existing assets must be net zero GHG emissions across the whole building life cycle.
- Building decarbonization provides benefits beyond reducing GHGs, including reduced indoor and outdoor air pollution, improved energy savings, improved community health and wellbeing, enhanced social responsibility, and increased property valuation.
- Operational energy-related GHG emissions can be reduced by implementing efficiency measures and building electrification; improving O&M; using low-GWP refrigerants and minimizing refrigerant volume while maintaining energy efficiency; improving refrigerant management; and increasing use of renewable energy sources both on site and off site, energy storage, and building-grid integration.
- Building design and operations should be able to respond to real-time carbon signals from the power grid to reduce GHG emissions.
- Increasing stringency and enforcement of energy codes are critical for decarbonization.
- Whole-building life-cycle assessment must be considered in future building codes to reduce embodied and operational GHG emissions related to buildings and their HVAC&R systems.
- Building performance standards (BPS) should be considered as a policy tool for existing building decarbonization.
- Decarbonization policies must consider and mitigate impacts on disadvantaged communities and less-developed nations.



## **Young Engineers Association (YEA) – Patrick Irick**

Hello SPASHRAE,

I want to thank everyone that came out to our happy hour event last month! Because our first happy hour was such a success, we would like to invite you to attend our second event of the year back at Wooden Robot in Southend.

Bring your co-workers, your spouse, or even your dog! We want to have everyone attend to spend an evening networking and connecting with old and new friends. While in attendance, we also want to take the opportunity to get your insight into what we can do this year for YEA events. We will have a QR code at the event that you can fill out a short survey to help us out!



We're excited to see everyone come out, and we look forward to seeing you!

Date: March 30<sup>th</sup>

Time: 5pm-7pm

Location: Wooden Robot Brewery:  
1440 S Tryon St #110, Charlotte, NC 28203



**Wooden**  
**ROBOT**  
— BREWERY —

## **Chapter Historian – Chuck Curlin**

**The Passing of Two Southern Piedmont Chapter Members**

Until a few days ago when the cooler weather returned, I was enjoying the early arrival of spring. The flowers were blooming, the grass starting to grow again, and bluebirds starting to nest in the bluebird houses in my yard.

That enjoyment was tempered when I heard the news that my former employer, mentor, and friend Mike Talbot had passed away suddenly the night of February 14<sup>th</sup>. Then a few days later, I learned that my former business partner, mentor, and friend David Shultz had passed away on February 19<sup>th</sup>.



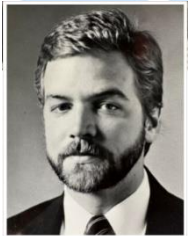
Mike was 63. David was 86.

Both were excellent engineers.





David was an engineer's engineer. Having graduated from Virginia Tech, he worked for the Navy and the VA prior to joining Odell Associates as the head of their engineering department, and then started his own consulting firm, David Shultz Associates, in 1976. David once told the guys in the office of the time the navy flew him out into the ocean in a helicopter and transferred him to a submarine, so he could help them figure out a problem they were having with the firing of their torpedoes. He was smart enough to solve the problem but was also small enough to fit into the torpedo tubes to analyze the problem, which may have gotten him the job in the first place. David really knew his stuff when it came to HVAC systems. Chillers, boilers, pumps, piping, custom air handlers – he could have written a systems book.



Mike was more of an architect's engineer. He worked very well with architects, who are visual creatures, and was able to convey his vision for mechanical systems that were not off-the-shelf solutions to HVAC challenges, when the project would allow for a more creative mechanical systems approach. Mike was a very good businessman and a good marketer. He was also very generous with learning opportunities for engineers who were early in their careers, was a believer in ASHRAE, insisted that the mechanicals in the office become ASHRAE members, and paid for their ASHRAE memberships. It was he who got me involved in the chapter. Mike won several ASHRAE technology awards for his designs and was made an ASHRAE fellow in 2020.

David Shultz was the 1978-1979 Southern Piedmont Chapter president.  
Mike Talbot was the 1994-1995 Southern Piedmont Chapter president.

Both were good men. I already miss having them around.

I hope 2023 brings happiness and joy for you and your families. As always, thank you for the opportunity to serve as your Chapter President.

Sincerely,

Benjamin M. Coy

*SPASHRAE CHAPTER SPONSORS*



**2022-2023 PLATINUM SPONSORS**



**TRANE®**



Weeks-Williams-DeVore, Inc.



**2022-2023 GOLD SPONSORS**



Heat Transfer  
Sales LLC

**SIEMENS**



SPASHRAE