



October 2012

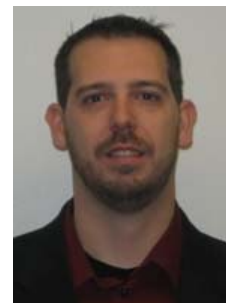
## Message from the President

[Michael Collarin - Parsons](#)

Let's play a little word association - October, November, December...

What are you thinking?

It's possible you're thinking football, football, football. But I think most of us initially gravitate towards the holidays and festivities of the season - Halloween, Thanksgiving, and Christmas.



Now take some time to think about how these relate to you and your family. For me and my family, it'll be all about firsts for our now 6-month old, Ms. Madeline Claire. For me and my ASHRAE family, I offer the following:

Halloween – Trick or Treat! No trick required actually. If you're a Chapter Dues paying member, just show up to a monthly meeting and receive a 2011-12 Southern Piedmont ASHRAE Product Directory. It's our treat to you! As your Board of Governors, we are continually looking for ways to better serve the membership of our Chapter and this is just one of those ways.

Thanksgiving – Whether it always seems this way or not, we really are among the fortunate ones. And while giving thanks should be a focus throughout the year, this time of year in particular we strive to put a little more emphasis on how we can give back. As mentioned earlier in the year, we will be organizing a volunteer day with Habitat for Humanity. I am communicating with the local volunteer coordinators of Habitat for Humanity Charlotte and will provide you with details as they become available.

Christmas – Come one, come all! Bring your family, bring a friend! Regardless of your affiliation or denomination, we invite all of you to join us in a celebration. Each year we host our Annual Christmas Party and Auction and it is a fun and beneficial event. All proceeds from the auction benefit ASHRAE Research. All of the fun benefits you! This year's event will be a little more special as the Southern Piedmont Chapter celebrates its **60<sup>th</sup> Anniversary!!** We'll have a special display of our chapter's history for all to see. Come out to celebrate and make your own memoires!

Our next lunch meeting is on Thursday, November 1st. We will be meeting at our normal location, Byron's Southend and our normal time, 12:00 – 1:00p. We hope to see you there!

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## Programs

[Matt Byrne - Hoffman Building Technologies](#)



After starting out our year with an evening meeting in September, we returned to our normal lunchtime meeting in October.

Though not quite as well attended as the September meeting, we had a good

turnout to listen to David Evans of NCBELS present on Ethics in Engineering. He provided much detail about the rules of professional conduct and used a 20-year history with one PE as a case study to illustrate application of the rules. David was well received by those who attended. I would like to thank him for taking time to travel from Raleigh to present to our chapter and all those who took time out of their busy schedules to join us for the meeting and provide support for our local chapter.

Coming up November 1<sup>st</sup> our lunch

## Next Meeting

### November 1st, 2012

#### Lunch Program:

Byron's Southend

101 W. Worthington Avenue,

Suite 110 Charlotte, NC 28203



### Introduction to Commercial Solar Hot Water Heating

*Gerald Abele of Zimmer America*

**[For more information to register, visit the Events page of our website, or follow this link.](#)**

program will cover the topic of “Introduction to Commercial Solar Hot Water Heating.” It will be presented by Gerald Abele of Zimmer America and will cover a wide array of solar topics including system components, locating collectors, load calculations, and cash flow projections. You will need to bring a clear mind and pen or pencil since Gerald will be handing out some **QUIZZES** to see how much you have learned!



Gerald has a very interesting background, having been born in Kufstein, Austria; educated in Munich, Germany; immigrated to British Columbia, Canada in 1970; and settled in Spartanburg, SC in the late 1980's. He has owned and operated a successful construction company, managed his family's commercial real estate investment firm, served as VP of Customer Service and Manufacturing for Zimmer Machinery, a world-renowned textile company; and now acts as a Project Consultant for Zimmer America, the US representative for Austrian based KIOTO Clear Energy, one of Europe's largest manufacturers of solar thermal collectors and related solar equipment.

Gerald recently presented this topic to over 60 members of an IFMA chapter and was well received. So whether you are interested in all things Solar; are looking for how to get more LEED points on your next project; are in need of more PDH credits; or are just looking for a good, hot lunch, please put Byron's South End on your calendars for November 1, 2012, 11:30-1:00. As always, we ask that you RSVP as early as possible. You can pay online through PayPal, pay at the event with cash or a check, or now pay at the event with a credit card.



Engineers Working Together for NC  
PENC Charlotte Conference • October 30, 2012

Presented by the Professional Engineers of North Carolina (PENC)

**SCHEDULE AT A GLANCE**

7:30am - 9:00am	<b>Registration, Breakfast and Networking</b>	1:30pm - 3:00pm	<b>Breakout Session Three</b> • Charlotte's Multifaceted Approach to Transit • Facility Security Planning for the Democratic National Convention • Permeable Pavement in Stormwater Design – What NCDENR Needs You to Know!
9:00am - 10:30am	<b>Breakout Session One</b> • Charlotte's Urban Streets • Revitalizing Charlotte's Business Corridor • Air Quality Issues in Mecklenburg County	3:00pm - 3:30pm	<b>Networking Break</b>
10:45am - 12:15pm	<b>Breakout Session Two</b> • NCDOT Design Alternatives for Intersection Safety • Reinvesting in Existing Buildings • Making Good Water Great	3:30pm - 5:00pm	<b>Breakout Session Four</b> • Charlotte Mecklenburg Stormwater Projects • Campus Improvements at Queens University of Charlotte • Regional "Fast Lanes"
12:15pm - 1:30pm	<b>Duke Energy Lunch Presentation</b> Powering the Democratic National Convention	5:00pm - 7:00pm	<b>Networking Reception</b>

Thanks again to all of you for your continued support of ASHRAE and I look forward to seeing you at Byron's next Thursday.

## Research

[Jason Smith - Carrier Corporation](#)



I would like to say a big Thank You to all of you who attended the Fall Golf Tournament a couple weeks ago and the companies that were able to sponsor a hole. We had a great time on the course and couldn't have asked for better weather. We raised \$3,690 to go towards ASHRAE Research. I would especially like to thank the tournament sponsors, Hoffman Building Technologies & Alerton. If you weren't able to make it, don't fret. We have another Golf Tournament lined up for the Spring. I look forward to seeing everybody there as well!

Mark your calendar for Thursday, December 6<sup>th</sup> for our annual Christmas auction and donor recognition night. Tony Furr of Classic Auctions will make his return as auctioneer and said that he is looking forward to seeing our group again. If you would like to make donations for the auction, please contact me. The more items we can gather, the more fun the event will be.

This month I would like to thank all of the \$500+ donors to the 2011/2012 campaign. These individuals and companies were key contributors to the successful year. THANK YOU!!

Hahn-Mason Air Systems – Charlotte

Process & Air Conditioning Equipment

Mike Moore Sales & Consulting LLC

Norris Parker

David McDaniel

Shultz Engineering Group PC

Adams Companies

Carolina Cooling LLC

Bruce Air Filter Company

United Mechanical Corporation – Charlotte

McKenney's Inc – Charlotte

Paul Tuggle

Heat Transfer Sales – Charlotte

J G Blackmon & Associates

Airtight Mechanical Inc

Daniel Flora

Richard Hahn

Engineered Air

James M. Pleasants Company, Inc.

Carrier Corporation – UTC

I look forward to working with these fine ladies and gentleman this year to exceed our goal!! We have been tasked with raising \$38,000 this year to go towards ASHRAE Research and I am confident that we will be able to do this with everybody's support.

## Membership

[Neil Poissant - Adams Companies](#)



ASHRAE needs you! ASHRAE has a goal of growing their membership worldwide. The Southern Piedmont chapter has been given the

## Student Activities

[Adam Parker - Pace](#)



With the rising costs of college tuition making it tougher for aspiring engineers to achieve their goals, the more important it is for tuition

goal of growing membership by at least 3%. This is an achievable goal. In order to achieve this goal, our chapter would need to maintain all existing members and add twelve new members. Please spread the word to colleagues and co-workers to join ASHRAE!

Why Join ASHRAE?

- **Explore Technology**

ASHRAE Handbooks (yearly): (Handbooks are issued in June annually. For example, if you join ASHRAE in September, you will receive your Handbook the following June. If you join in May, you will receive your Handbook the next month.)

\*New members may purchase the 2012 ASHRAE Handbook *HVAC Systems and Equipment* at a discount.

New Members and Associates will receive the 2013 ASHRAE

Handbook *Fundamentals* in June 2013.\*

\*Now you don't have to wait until June to have access to the ASHRAE Handbook. Within 24 hours of joining ASHRAE, new members receive a complimentary 12-month subscription to ASHRAE Handbook Online, which allows search of all four volumes in I-P and SI units. (Renew this subscription for only \$49 at the end of your first year of membership.)

- **Get Special Discounts**

New ASHRAE members - entitled to a 20 % discount on ASHRAE Handbook publications\* any time during their first year of membership. Please contact the

ASHRAE Member Contact Center at [membership@ashrae.org](mailto:membership@ashrae.org), or (800) 527-4723 ( U.S. and Canada ) / (404) 636-8400 (worldwide) to learn more or to place your order at a discount.

\*offer excludes ASHRAE Handbook Online (only \$49 for ASHRAE Members)

Student Members - ASHRAE Handbook available

assistance. ASHRAE scholarships offer an excellent opportunity for such assistance. Please remember to remind young engineering students that you come in contact with, about the more than 20 ASHRAE scholarships available.

- **Two High School Senior Scholarships** undefined \$3,000 each
- **Three Engineering Technology Scholarships** undefined \$3,000 each
- **Six Regional and University-Specific Scholarships** undefined \$3,000–\$5,000 each
- **11 Undergraduate Engineering Scholarships** undefined \$3,000–\$10,000 each

ASHRAE scholarships are awarded for the academic year following the application deadline. To access the entire list of available scholarships, eligibility requirements, and to obtain an application, visit [www.ashrae.org/scholarships](http://www.ashrae.org/scholarships). Scholarship deadlines are coming up on December

### **Annual Scholarship Application Deadlines:**

- December 1 for Undergraduate Engineering Regional and University Scholarships.
- May 1 for Engineering Technology and High School Senior Scholarships.

ASHRAE also offers a wide variety of grants through the ASHRAE Senior Undergraduate Grant Program. ASHRAE grants offer students an opportunity to work on projects that increase their knowledge of our industry. With the assistance of university faculty, senior undergraduate students are able to gain experience on ASHRAE related topics with funding from ASHRAE. This funding

at a discount.

Affiliate Members - One-time discount off Member price (15% off)

Member Discounts on [Publications](#), [Continuing Education](#) and [Standards & Guidelines](#).

- **Become an Industry Leader**

Develop leadership skills, work with and lead ASHRAE committee members, and network with industry professionals at ASHRAE chapter, region, and society meetings. You can also keep updated with the industry via ASHRAE's Society Connections newsletter (monthly), and the HVAC Industry eNewsletter (weekly).

- **Advance your Career**

Look for employees & employment at [ashraejobs.com](#) and network with other HVAC&R professionals at ASHRAE meetings, [participate in job postings](#), maintain your professional education and designation with [40+ courses](#), earning CEUs/PDHs/AIA LUs, and explore technical topics at ASHRAE chapter, region and society meetings.

- **Gain Industry Insight**

You're on the "team" with thousands of members who volunteer on industry-driven committees.

Please give a warm welcome to our new members that have joined since June!

Daniel Bennett

James Sullivan, Jr

Patrick Stark

Mike Warmbold

can range up to \$5,000.00.

For more information on ASHRAE related grants, visit [www.ashrae.org/grants](http://www.ashrae.org/grants) .

### **Annual Senior Undergraduate Grant Deadlines:**

- December 17, 2012 for application submissions.
- By February 18, 2013 students will receive notification of their application status.

## YEA

### **Daniel Flora - Leach Wallace**



For our first event of the 2012/2013 year, we will be enjoying a night out at the movies. November 14<sup>th</sup> is the tentative date for all YEA members and fellow Southern Piedmont chapter members to catch the newest of the James Bond movie series "Skyfall". Be on the lookout for a flyer for the finalized date, time, location and more information.

Christopher Shipp

Adam Deloney

William Aldridge

Sean Helmbrecht



I hope to see you all at our November meeting!

## Announcements

### ASHRAE Standards

Check out the main library in downtown Charlotte for hard copies of all of the ASHRAE Standards. These are available in the reference section.

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