



**ASHRAE**

Advancing HVAC&R to serve humanity  
and promote a sustainable world



# The Rebel

THE OFFICIAL NEWSLETTER OF THE ASHRAE SOUTHERN PIEDMONT CHAPTER

September

2011

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Fall Golf Tournament will be here before you know it!

October 19th, 2011



Sign-up NOW!

[Pay Online](#)

[Registration Form and more Information](#)

## October Meeting

October 6, 2011

Thomas Phoenix  
Moser Mayer Phoenix

ASHRAE's Building  
Energy Quotient

1 PDH Credit

Emphasis on Research  
Promotion

**11:30am-1:30pm**

**[RSVP ONLINE](#)**

(Registration using  
PayPal is available  
online, or you can

## President's Message

[David McDaniel \(Pace, Inc.\)](#)



We are heading into October and the fall weather is already here. What a wonderful break from the heat of this summer. I am so glad that I have a great HVAC System in place, thanks to the research conducted over the years by ASHRAE. Without it, I would probably be paying a much higher utility bill, have been less comfortable, and be suffering from poor indoor air quality. These are just some of the reasons that we should all support ASHRAE in its research projects, attend the monthly meetings and

[RSVP by email to Michael Collarin](#)

Byron's Southend  
101 W. Worthington  
Avenue, Suite 110  
Charlotte, NC 28203

## 2011-2012 Programs Calendar

### October-

6th - Lunch Meeting

ASHRAE's Building Energy  
Quotient

Thomas Phoenix, Moser  
Mayer Phoenix

19th - Fall Golf Tournament -  
Pine Lake Country Club

### November-

3rd - Lunch Meeting

Short State of the Union &  
Refrigeration/Compressor  
Relationship

Tom Watson, ASHRAE  
President Elect

### December-

8th - Christmas Party and  
Auction

### January-

5th - Lunch Meeting

Using the Retro-  
Commissioning Process for  
Energy Savings

Hoy Bohanon, Working  
Buildings

### February-

2nd - Lunch Meeting

The Emergence of Hybrid  
Geothermal Systems

David Pleasants, JMPCO

### March-

1st - Lunch Meeting

Ice Storage

Mark Johnson, CALMAC

help in any way we can, both at the chapter level and the society level. This organization's success is due to the hard work and efforts made by the volunteers in our industry.

Our first major event for the year is this month, the Fall Golf Outing. By now, you have see some announcements. Remember that there are opportunities for sponsorship at this event and all of the proceeds go to research. But at minimum, be sure you come out for what is always a great day of golf and fellowship. I have requested a day of mostly sunny skies and mild temperatures (let's just hope Daniel comes through with that :)

As mentioned last month, please remember that ASHRAE needs your support. Without you, ASHRAE would not exist. And without ASHRAE, you would not have an organization to develop the standards that you use every day! Furthermore, remember that it is a volunteer organization, and we always need more volunteers. So when you get that call, please consider giving a little of your time back to this valuable organization. It can't survive without you!

## Programs

### [Michael Collarin \(Elm Engineering\)](#)

As we strive to reduce the nation's energy usage, having the right information becomes critical if we are to make the right choices. Identifying the energy usage of individual buildings is an excellent, and proven, means for providing energy performance information to the public and promoting the value of energy efficiency in a marketplace. This presentation will introduce ASHRAE's new building energy labeling program - Building Energy Quotient. The program will highlight the need for building energy labeling, show the various rating systems available in Building Energy Quotient, and outline the requirements for obtaining those ratings.

Tom Phoenix is a Principal with the Architectural/Engineering firm of Moser Mayer Phoenix Associates located in Greensboro, NC. He serves as Vice President, Chief Financial Officer and Director of Engineering. He has a B.S. degree in engineering from



**April-**

5th - Lunch Meeting

What is Variable Refrigerant Flow?

Tim Buford II, Mitsubishi

**May-**

3rd - Lunch Meeting

Building Information Modeling for the Mechanical Disciplines  
Dennis Knight, Whole Building Systems

16th - Spring Golf Tournament

NC State University. He is a Registered Professional Engineer in North Carolina and five other States and has over 30 years of experience in the design, operation and maintenance of building mechanical systems.

Mr. Phoenix has been an active member of the ASHRAE (American Society of Heating, Refrigerating and Air Conditioning Engineers) since 1982. He currently serves on the Board of Trustees for the ASHRAE Foundation, as Chair of ASHRAE's Building EQ Oversight committee, as Chair of the Building Performance Metrics Multidisciplinary Task Group, and as Vice Chair of the Professional Development Committee. He previously served three terms on ASHRAE's Board of Directors as a member of ASHRAE's Executive Committee as Society Vice President, as a Director at Large, and as Director and Regional Chairman of Region IV. His other past ASHRAE activities include service on numerous committees including ASHRAE's Finance Committee, the Sustainability Oversight Committee, the Vision 2020 Committee, and the Certification Committee, which he chaired.

Mr. Phoenix is also active in the local community. He is a graduate of Leadership Greensboro, an active member of the Leadership Greensboro Alumni Association and a past member of the Board of Trustees for the Greensboro Children's Museum. He is a Charter Member and Past President of the Gate City Rotary Club. He has served as a Committee Chairman for the Jimmy V Celebrity Golf Classic for Cancer Research for the last 16 years and is a leader with local Boy Scouts of America Troop 101.

He is married to the former Rebecca Champion, and he and Becky have two children.

## Research Promotion

[Daniel Flora \(Talbot & Associates\)](#)

When was the last time you used your ASHRAE Handbooks, Standard 90.1, 62.1 or even Standard 55? Chances are that it has been within the last week or so. Now imagine that when you had a question that you could not go to these manuals to seek the answer. That is the position you



would be in without ASHRAE Research Promotion. 100% of your donation goes to fund research that is documented in your handbooks, standards and many other publications that you use on a daily basis. The tax deductible donation will benefit your profession for many years to come. So let's make this a profitable year for the Southern Piedmont chapter and help earn some PAOE points toward the Rudy that deserves to be back here in Charlotte (not ATLANTA) next year!!!

I would also like to sincerely thank all of the donors for their contributions to last year's campaign. You helped the Southern Piedmont chapter exceed their goal once again. I look forward to acknowledging your donations at this year's donor recognition night and also working with you or your company to exceed this year's goal. THANK YOU!!

We have two wonderful golf tournaments scheduled this year. Our first event will be back at the beautiful Pine Lake Country Club on October 19th. Please see the attached flyer for all the details. The second golf outing will be held at the Pine Island Country Club on May 16th, 2012. This is a new venue for the tournament so make sure you attend to see one of Charlottes "Best Kept Secrets". Both tournaments will be limited to the first 108 golfers so get your forms and payments in early to ensure your teams spot in the field. We will also have our annual Christmas party and auction on December 8th , more details will be provided in the next few weeks. Keep and eye out for more announcements regarding other fundraising events throughout the 2011-12 campaign which ends next June.

## Membership

[Jason Smith \(Carrier Corporation\)](#)

Why Join ASHRAE?

Have you ever heard the saying, "it's a small world"? This certainly rings true once you join ASHRAE's global network, ASHRAE members bring this big world of ours together through the exchange of technical information, writing of standards, and through committee work and networking. When you join ASHRAE, you are making



an investment in yourself. When you become active in the Society by giving your time and sharing your knowledge, you get even more out of that investment. As a member of ASHRAE, you will have valuable resources at your fingertips to include the ASHRAE Handbook (most widely cited reference in our industry), ASHRAE Journal (monthly magazine to bring current trends and information to you), and E-Newsletters and Discounts. You can become the office expert and build a network that is priceless to your enjoyment of ASHRAE and success in your career.

Prospective members are always welcome to attend! I would like to welcome the following new members to our chapter:

- Carlos Nieves
- Ladreon Hare
- Nathan Walker
- Michelle Reinhart

For all existing members: Do you have 12 Society-approved\* years of experience? If so and you are currently an Associate Member, you may be eligible to upgrade to Membership status at no additional cost! \*Includes completed education beyond high school, work experience in work related to ASHRAE field, and Professional Engineering license. Why upgrade? Prestige, recognition in Society newsletter, recognition at chapter meeting, eligibility to serve on a technical committee, to serve in a chapter officer or regional role, to qualify for Society awards, and more!

If you have any membership related questions, please do not hesitate to contact me at [jason.smith@carrier.utc.com](mailto:jason.smith@carrier.utc.com) or (704)301-3067.

## Student Activities

[Neil Possiant \(Adams Companies Inc.\)](#)

We have several exciting opportunities coming up for getting involved with students. Our chapter will have an ASHRAE booth at the UNC Charlotte Engineering Picnic on September



30th. We will also be contacting various schools in the area, starting with a S.T.E.M school within CharMeck, to provide potential volunteer opportunities to the membership. So keep an eye out for upcoming volunteer opportunities.

As always, let us know if you have gotten involved with a local school in your neighborhood. Teachers are always welcoming speakers to come into their classroom and talk about engineering and the sciences. We encourage all members to get involved in the education system and help stimulate kids interest in the engineering fields.

To learn more about activities and opportunities you can participate in, please visit the Student Zone on the ASHRAE website: <http://www.ashrae.org/students/>

## Young Engineers in ASHRAE

[Adam Parker \(Pace, Inc.\)](#)



Hello everyone! My name is Adam Parker, and I will be taking over the Southern Piedmont YEA committee chair for the 2011-12 year. As a recent mechanical engineering graduate from UNC Charlotte, I am very excited to have this opportunity to help bring more focus on the importance of being an active ASHRAE member by representing our fellow young engineers. Not only is the focus of active membership important for beginning engineers, but it is also a great step forward in becoming a leader in the engineering profession by being a part of an organization that promotes technological advances in our industry.

To me personally, being a YEA member of ASHRAE means doing my part to help our industry advance, alongside the ever changing world that we live in. One of the greatest benefits of doing your part as a Young Engineer of ASHRAE is having the opportunity to network and learn from other professionals in our industry that will further enhance your own personal career, as well as our industry as a whole. This involvement and networking experience that ASHRAE entails can come from not only the monthly meetings,

but also from attending social events that YEA will be hosting throughout the year.

As several of my predecessors in the Southern Piedmont YEA committee chair have expressed, it is also very important for our long standing Chapter members to be a part of the YEA events, and continue to make young engineers in our region aware of what ASHRAE is all about. With this being said, I challenge each long standing member of the Southern Piedmont Chapter to make it your goal to invite a young professional from our region who may not be an active member in ASHRAE, to at least one meeting or YEA event that will be held this year. With support like this from all of our Southern Piedmont Chapter members, I look forward to helping make this a fun and successful year for the Young Engineers of ASHRAE.

Please stay tuned for emails and announcements regarding upcoming YEA events.

## Announcements

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**The National Society of Black Engineers** - Charlotte Alumni Extension Chapter (NSBE-CAEC) in conjunction with the Society of Women Engineers (SWE), the Illuminating Engineering Society of North America (IESNA), the Professional Engineers of North Carolina (PENC), the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the American Society of Mechanical Engineers (ASME) would like to invite you to our October meeting - "Let's Talk Politics". A Fundraiser Dinner scheduled on October 13th 2011 at 6:00pm-8:30pm at the Levine Museum of the New South located in uptown Charlotte, NC. You may register online at <http://letstalkpolitics.eventbrite.com/>.

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**USGBC Charlotte Region Chapter's 2011 Signature Event** - Charlotte: An Emerging Leader for Sustainable Change is Thursday, October 27, 2011 at the Ritz-Carlton from 6:00-9:30pm; Program is 7:00-8:30pm. You may register online at <http://www.usgbccrc.org/event/tickets>.

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**AIA Charlotte** has adopted the challenge to reach the goal of carbon-neutral buildings by 2030 and is taking

tangible steps toward reaching that goal. One of those steps is creating the AIA+2030 Professional Series, a 10-part series of intermediate-level professional development courses designed to provide specific ways to make our built environment energy-efficient. The courses address items such as Waste Heat Recovery, Energy Modeling, Active Solar Systems, and a variety of techniques and strategies specific to creating the type of buildings we need to be creating in the future. The AIA+2030 Professional Education Series has been approved by Architecture 2030 and by the national American Institute of Architects. More information may be found online at <http://aiaplus2030.org/component/charlotte>.

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### **ASHRAE STANDARDS LIBRARY**

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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Email [tracie.monfort@hesm.com](mailto:tracie.monfort@hesm.com) to add announcements, job postings, etc. in future newsletters.

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