



Giga-Joule

Greenville Chapter

April 2008

<http://www.ashrae4greenville.com/newsletter.php>

Meeting Announcement

The April meeting will be held on Thursday, April 10th at the Roper Mountain Science Center. The details are listed on the Programs Page. For more information, please contact our Programs Chairman, Will Thomason, by phone at 864-232-0200 or, email at programs@ashrae4greenville.com

A Message from the President

Welcome to April! We are winding down the 2007-2008 year and we have a lot of events/meetings to get in before Summer. Golf is at the top of our schedule on April 3rd. We have a joint social event with the Mechanical Contractors Association on Tuesday Evening April 8th. Of course, our regular April meeting is at lunch on Thursday April 10th. Then we host the ASHRAE Satellite Broadcast on Wednesday April 16th (3 Hours PDH). I hope you can all join us for the fellowship and education, or just for fun. Don't forget that anyone can join us for Low Country Boil and beverages after the Golf Tournament. This isn't limited to golfers.



We will hold elections on April 10th for next year's slate of officers. Our candidates are listed below. Please contact me if you would like to through your hat in the ring.

President:	Will Thomason
Vice-President:	Karl Counts
President-Elect:	Davin Sandhu
Treasurer:	Rodney Hinton
Secretary:	Manuel del Valle Jr.
Governor:	Paul Jensen
Governor:	Bill Knight
Governor:	Carroll Suttles

The Committee Chairmen are appointed by the Board of Governors (Officers) and the following members have offered to serve:

Programs:	Davin Sandhu
Membership:	Dorothy Bertolini
Research:	Brian Alexy
Chapter Technology:	Devon Cortright
Student Activities:	Hamp Crow

Call or email me with any comments or suggestions. I am always open to new ways to improve the ASHRAE experience for our members

Karl F Counts PE
Greenville ASHRAE President
president@ashrae4greenville.com



Will Thomason
Programs Chairman
programs@ashrae4greenville.com

Chapter Programs

The Programs Committee is continually brainstorming for future program ideas.

- Has a recent magazine article piqued your curiosity on a new technology or application?
- Do you have a need for specific training?
- Would you like a full or half day seminar on a technical issue?

I would really like to hear your suggestions and extend the offer to join the Programs Committee. Besides proposing meeting subject matter, committee members receive the opportunity to review the suggestions of others and vote on which topics are selected. This is a great way for you to make yourself heard.

April Meeting

Program: History of South Carolina ASHRAE Chapters

Presenter: Blaine Walker

For our April meeting, Blaine Walker of ABC will be speaking about the history of South Carolina ASHRAE Chapters. Blaine Walker of the Columbia Chapter will be presenting the “History of the South Carolina Chapter” which will include the founding of the Greenville Chapter. **To encourage more of you seasoned members to come to this meeting, the Trane sales office in Greenville, SC will pay for meals of all past chapter Presidents, ASHRAE Fellows and ASHRAE Life Members who attend this meeting or at your choosing will make an equivalent donation to ASHRAE Research!** Call all your old ASHRAE colleagues and join us for this special meeting. Please RSVP so we have enough meals for everyone! We are looking forward to seeing you at this special meeting!

Location: Roper Mountain Science Center (www.ropermountain.org)

Date: Thursday, April 10, 2007

Time:

11:30 a.m.	Doors Open
11:35 a.m.	Lunch Served
11:45 a.m. to 12:00 p.m.	Chapter Business
12:00 a.m. to 1:00 p.m.	Main Program

Cost: \$10/person (includes a catered lunch) Guests are welcome!
Read about our new lunch packages in the Membership Corner

Education

Credit: This program qualifies for 1.0 PDH (including NC PE)

Please RSVP to programs@ashrae4greenville.com
no later than Noon Tuesday, April 8, 2007

Membership Corner

It is once again time for our semi-annual **membership drive**. As always, if you bring a guest with a filled out application form, you and your guest will eat for free. We have a healthy base of regular attendees, and a many great guests. We average 32 attendees every month, and 29% of them are Guests. Now is a great time to join and become a full member. Special thanks also goes out to our regular Attendees. Some notable mentions go out the Jim Reeves, Walter Tuttle, Manuel Del Valle, Greg Kyzer, Bill Carnes, Jay McCutcheon, & Rob Rettew who over the past year and half show as our top meeting attendees. Thank you for all your support, and we look forward to this support every month in making us a great chapter.



Why become a member? ASHRAE membership provides direct access into the Society's HVAC&R technical library of knowledge that is continually updated and expanded. Rooted in the Handbook, this knowledge base extends into cutting edge research papers and technical discussions published in the ASHRAE Journal and other Society periodicals. How do you keep up to date with changes in the industry? Where did you read about the details of a new integrated refrigeration control system strategy? Where did you see an advertisement for a new type of air quality sensor that's exactly what you need for a job you're bidding out next week? You probably read it in an ASHRAE publication...just part of your ASHRAE Membership experience.

Do you have 12 years combined education and work experience? UPGRADE TO FULL MEMBER STATUS TODAY!!!

For a membership application please visit <http://www.ashrae.org/members/page/589> and you can join online or print out, fill out, then mail or fax to ASHRAE. Please mark that you are joining the Greenville Chapter and we look forward to your support, and supporting you through the many benefits of ASHRAE.

ASHRAE Live Satellite Broadcast:

Integrated Building Design

Bringing the Pieces Together to Unleash the Power of Teamwork

April 16, 2008

1:00 – 4:00 PM

Lunch will be served at 12:30

Cost: \$10

Location: Trane Carolinas

288 Fairforest Way

Greenville



Devon Cortright PE
Chapter Technology
Transfer Chairman
dcortright@h2i.com

RSVP to CTT@ashrae4greenville.com

This broadcast explains what you and other members of the building team must do to advance high-performance buildings with improved design, construction and operations processes. Buildings that meet the needs of occupants and truly achieve sustainability objectives can only be created if the building community shares its knowledge and experiences. Join ASHRAE in learning more about your role in integrated building design and helping to create a sustainable built environment.

ASHRAE Greenville Chapter is an approved sponsor of Continuing Professional Competency for engineers licensed in North Carolina.

Three PDH credits will be granted to those who view the program and then complete the Participant Reaction Form on the ASHRAE webpage following the broadcast.

Energy Efficiency Tax Credits

The Energy Policy Act of 2005 provides tax credits for energy efficiency improvements in a number of categories including commercial and residential construction.

The portion of the act applicable to commercial buildings was extended by congress through the end of 2008. See <http://www.irs.gov/pub/irs-drop/n-06-52.pdf>

A tax credit is available for energy improvements to residences during the 2007 tax year. The credit appears on 1040 line 50 and requires the completion of attachment 5695. See the IRS website <http://www.irs.gov/pub/irs-drop/n-06-26.pdf> for more information.

Students & Scholarships

ASHRAE would like to congratulate two students for their exceptional performance in the Greenville County and South Carolina Regional Science Fair on March 12th. Olivia Svacha was awarded the junior level prize for her project, "Does Candle Burning Affect Indoor Air Quality?", while Xiya Zhu was awarded the senior level prize for "Methods to Improve Solar Cell Efficiency with Experimental Demonstration, Mathematical Modeling, and Application". Both students were presented cash prizes at the awards ceremony on March 18th.

In 2007 ASHRAE awarded approximately \$86,000 in scholarships to college students. Each year the Greenville Chapter Board of Governors receives directives from national to promote scholarships, because they have not received enough applications for all of the possible awards. Scholarships are available in \$3000, \$5000, and \$10000 increments. But one must plan; applications for the undergraduate engineering scholarships were due in for the 2008-2009 year by December 1, 2007. Awards for the Undergraduate Engineering Technology Scholarships for the 2008-2009 year are due in by May 1, 2008. In addition to undergraduate scholarships, ASHRAE provides funding for senior projects and research grants for graduate students. Go to <http://www.ashrae.org/students/page/704> for more information. Keep in mind that undergraduate engineering scholarship applications for the 2009-2010 academic year must be submitted by December 1, 2008.

The ASHRAE scholarship web page also includes links on the requirements for the ASHRAE 2008 Student Design Competition. First place award is \$1500 and a trip to the ASHRAE 2009 winter meeting. Deadline for entry is May 9, 2008.

Research Promotion

Please remember to remind your companies about donating to the 2007-2008 ASHRAE Research Promotion campaign. We still have a long way to go to reach our goal as a chapter. Special thanks to all those who donated to the 2006-2007 ASHRAE Research Promotion campaign:

Mr. Douglas M. Wadas
Mr. Ronnie D. Hackett
Waldrop Heating & Air Conditioning, Inc.
Mr. Adolph Beyerlein
Mr. Steven V. Abernathy
Palmetto Air & Water Balance, Inc.
Duke Energy Corporation

Mr. Harrison R. King
Essential Systems Engineering, P.A.
Mr. James W. Bryan
Mr. Frederick T. Scott
Mr. Paul E. Jensen
Wade Crow Engineering
Mr. Edwin W. Evans



Brian Alexy
Research Chairman
rp@ashrae4greenville.com

Mr. Wade C. Crow

If you have not already received your Donor Recognition Certificates, please come see me, I have them.

Golf tournament information is on the next page. Time to get your teams together and sign up if you have not already done so.

Spring Golf Tournament

**ASHRAE SPRING 2008
GOLF TOURNAMENT & COOK-OUT**

WHERE: BONNIE BRAE GOLF CLUB

1116 Ashmore Bridge Rd., Greenville, SC, (864) 277-9838

WHEN: THURSDAY, APRIL 3RD

GOLF: SHOTGUN START AT 12:00 PM

DINNER: LOW COUNTRY BOIL AT 5:30 PM

COST

Dinner - \$10 /person

Golf & Dinner - \$65 / player or \$250 / foursome

(Incl. greens fees, cart, range balls, 2 drink tickets, prizes, dinner)

Mulligans - \$20 / team (2 shots per player)

SPONSORS!!!

Hole Sponsorship: \$200

Silver: \$250 (1 hole sponsorship & 1 player in tournament)

Gold: \$400 (1 hole sponsorship & 1 team in tournament)

**Platinum: \$500 (1 hole sponsorship, 1 team in tournament, plaque,
name on ASHRAE webpage, recognition at all meetings)**

***All sponsors will have their fees donated to
ASHRAE Research in their company's name**

Please see next page for registration and contact information

Greenville Chapter Platinum Sponsors:



2007-2008 Chapter Officers

Position	Officer/Chairman	Company	Phone	Fax	email
President	Karl Counts	Day & Zimmermann	241-8335	241-6750	president@ashrae4greenville.com
Vice-President	Eric Scott	Carrier Carolinas	232-6633	242-0290	vp@ashrae4greenville.com
Programs Pres-Elect	Will Thomason	James M Pleasants	232-0200	298-6330	programs@ashrae4greenville.com
Secretary	Davin Sandhu	Johnson Controls	234-3819	676-1174	secretaryt@ashrae4greenville.com
Treasurer	Rodney Hinton	Palmetto Air and Water Balance	877-6832		treasurer@ashrae4greenville.com
Governor (Historian)	Paul Jensen	Trane Upstate Carolina	672-6130	672-6001	history@ashrae4greenville.com
Governor	Bill Knight	Greenville County Schools	355-7792	355-9388	gov3@ashrae4greenville.com
Membership Chair	Chris Adams	Adams Companies	704-400- 6033	704-664- 0846	membership@ashrae4greenville.com
Research Prom. Chair	Brian Alexy	Carolina Cooling	633-9494	704-521- 4444	rp@ashrae4greenville.com
CTT Chair	Devon Cortright	H2L	233-8844	232-2679	dcortright@h2l.com
Student Activities Chair	Hamp Crow	Wade Crow Engineering	585-9903	585-4528	sa@ashrae4greenville.com
Webmaster	Karl Counts	Day & Zimmermann	241-8335	241-6750	webmaster@ashrae4greenville.com

Tentative Event Dates for 2007-2008

Tuesday 9/18/2007	Variable Refrigerant Flow	Chris Adams Adams Companies
Thursday 10/25/2007	Fall Golf Tournament	October 25 Willow Creek Golf Club
Tuesday 10/16/2007	Chiller Plant Piping	Chris Edmondson PE James M Pleasants
Thursday 11/8/2007	HVAC Engineer Legal Issues	Ward Lambert
Tuesday 12/11/2007	Compliance with ASHRAE Standard 90.1	Dick Lord
Thursday 1/10/2008	Mechanical Insulation	Roger Schmidt
Thursday 2/14/2008	Design Guides for Pharmaceutical Facilities	Manuel Del Valle
Thursday 3/13/2008	HVAC Equipment & MERS for Phar/Bio Facilities	Manuel Del Valle
Thursday 4/03/2008	Spring Golf Tournament	Bonnie Bare Golf Club
Tuesday 4/08/2008	Social Joint Meeting with the SC Mechanical Contractors Association	GM Mechanical Hosting
Thursday 4/10/2008	History of SC Chapters	Blaine Walker
Thursday 5/8/2008	Integrated Building Design	Charles Gullede



ASHRAE
Technology for a Better Environment

Region IV
Greenville Chapter