



# *Giga-Joule*

Greenville Chapter

March 2008

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## *Meeting Announcement*

The March meeting will be held on Thursday, March 13<sup>th</sup> 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](mailto:programs@ashrae4greenville.com)

## *A Message from the President*

The Greenville Chapter is indebted to Manuel del Valle for presenting at last month's meeting and following up with another program in March. Manuel is the real deal when it comes to design of clean spaces. Don't miss out on these programs to learn from his experiences.

Well its election time, not just for the country but for the Greenville Chapter. Instead of listening to the presidential candidates debate how much they might give you, take a suggestion form JFK and ask what you can do for Greenville ASHRAE. We already have candidates that have thrown their hats in the ring, but the offer is open to all chapter members who would like to be candidates for the offices of President-Elect, Treasurer, and Secretary. Please contact me if you would like to serve. Here are our officer candidates so far:



President: Will Thomason  
Vice-President: Karl Counts  
President-Elect: Davin Sandhu  
Treasurer: Rodney Hinton  
Secretary: Manuel del Valle  
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

Please don't be afraid to 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](mailto:president@ashrae4greenville.com)



**Will Thomason**  
**Programs Chairman**  
[programs@ashrae4greenville.com](mailto: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.

## *March Meeting*

**Program:** SA & EC HVAC Design guides for Pharmaceutical Aseptic Facilities

**Presenter:** Manuel A. del Valle

For our March meeting, Manuel A. del Valle of Manuel A. del Valle Consulting will be speaking about SA & EC HVAC Design guides for Pharmaceutical Aseptic Facilities. Manuel has 42 years of diverse experience in international HVAC design. Some of his pharmaceutical clients include Wyeth, Syntex, Bristol-Myers Squibb, and Hoffman La Roche. He has published articles in trade publications such as Pharmaceutical Engineering, BioPharm International and Clean Rooms Magazine.

**Location:** Roper Mountain Science Center ([www.ropermountain.org](http://www.ropermountain.org))

**Date:** Thursday, March 13, 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](mailto:programs@ashrae4greenville.com)  
no later than Noon Tuesday, March 11, 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](mailto:dcortright@h2i.com)

**RSVP to [CTT@ashrae4greenville.com](mailto: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.

## DOE Webcast on Standard 90.1-2007

The U.S. Department of Energy is sponsoring a three part web-cast on 90.1-2007. The first part, on lighting, was broadcast in January. The second part, on the mechanical portions of the standard, was February 28. The third part, on the building envelope, is scheduled for March 27. These webcasts are good for PDH's and CEU's. Go to [www.energycodes.gov](http://www.energycodes.gov) for more information and to sign up.

## *Students & Scholarships*

Would you like to build your own thermometer? ASHRAE has a section of their website dedicated to student activities. In addition to the scholarship information the site offers resources for presentations to students in the K-12 environment. Science experiment suggestions, including the thermometer, are posted at <http://www.ashrae.org/students/>.

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. Wade C. Crow

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](mailto:rp@ashrae4greenville.com)

If you have not already received your Donor Recognition Certificates, please come see me, I have them. Be sure to notify me of any upcoming dates in spring for conferences, industry seminars, golf outings, etc.



*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 3<sup>RD</sup>**

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

## 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
POSTPONED TO May 2008	Joint Meeting with the SC Mechanical Contractors Association	TBD
Thursday 3/13/2008	HVAC Equipment & MERS for Phar/Bio Facilities	Manuel Del Valle
Thursday 4/10/2008	History of SC Chapters	Blane Walker
Thursday 5/03/2008	Spring Golf Tournament	Bonnie Bare Golf Club
Thursday 5/8/2008	Integrated Building Design	Charles Gullede



**ASHRAE**  
Technology for a Better Environment

**Region IV**  
**Greenville Chapter**