



Giga-Joule

Greenville Chapter

February 2008

Meeting Announcement

The February meeting will be held on Thursday, February 14th 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

The Greenville Chapter would like to thank Roger Schmidt for his presentation on Closed Cell Foam Insulation at last month's meeting. Some of you missed out on a very informative topic on a product that can really help you on your projects. Roger was extremely knowledgeable on his subject matter. What also made this program so exceptional, was the extensive grouping of samples that Roger brought with him to display the different types of products out on the market.



This month's presentation topic will be a good one as well. Manuel A. del Valle will speak on "USA & EC HVAC Design guides for Pharmaceutical Aseptic Facilities. This meeting falls on Valentine's Day, so plan ahead. If you have to buy flowers for your sweetie, do that on Wednesday so you won't miss Thursday's lunch meeting. Now there is no reason you can't take your favorite gal out to Valentines Lunch at ASHRAE. In fact that may be your best bet, because that would free up your evening to take your wife to dinner. Just kidding! I'm just kidding. That only happens down in the Charleston Chapter.

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.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. It is the world's foremost technical society in the fields of heating, ventilation, air conditioning and refrigeration. Through its meetings, research, standards writing, publishing and continuing education, the Society helps keep indoor environments comfortable and productive, deliver healthy food to consumers and preserve the outdoor environment.

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.

February Meeting

Program: USA & EC Design Guides for Pharmaceutical Aseptic Facilities

Presenter: Manuel A. del Valle

For our February meeting, Manuel A. del Valle will speak about the design guidelines on pharmaceutical facilities in the US and abroad. We expect to see you on Thursday; and bring a friend.

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

Date: Thursday, February 14, 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, February 12, 2007

Membership Corner

Welcome to Greenville ASHRAE and we look forward to active participation. As always, we continue to look for new members including both engineers, contractors, and students. If you have any ideas on membership promotions, please let any one of the Board of Governors know so we can share your thoughts and best practices to create an even more active Greenville Chapter. For questions and applications, contact me.

membership@ashrae4greenville.com or (704) 664-4907

Other Discounts:

Package A: Discount Card

If you are a Society Member in good standing (society dues paid up) and have your Chapter Dues paid up, we will issue you a card at your first meeting of the year. Each time you pay for a meeting this card will be punched/notarized. When you have four (4) meetings paid for, the fifth is free.

Package B: Prepaid Year

If you are a Society Member in good standing (Society Dues Paid Up) and a Chapter Dues (Paid Up), you will be offered the option of paying one charge of \$75 for the entire years programs (\$90 value).



Chris Adams
Membership Chairman
membership@ashrae4greenville.com

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@h2l.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.

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, is scheduled for 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 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/>. If you are looking for ideas for interaction with students during Engineer's Week, February 17-23, 2008, this is a resource with some good suggestions.

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

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

We are trying to finalize a date for the spring golf tournament and we want to make sure we avoid any conflicts. We are currently looking at either the first or second Thursday of April. Any known conflicts with either of these dates??

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 A. del Valle
Tuesday 3/11/2008	Joint Meeting with the SC Mechanical Contractors Association	TBD
Thursday 3/13/2008	HVAC Equipment & MERs for Pharm/Bio Facilities	Manuel A. del Valle
Thursday 4/10/2008	History of SC Chapters	Blane Walker
Thursday 4/??/2008	Spring Golf Tournament	TBD
Thursday 5/8/2008	Integrated Building Design	Charles Gullede



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Technology for a Better Environment

Region IV
Greenville Chapter