



Giga-Joule

Greenville Chapter

December, 2010

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

Meeting Announcement

The December meeting will be held on Thursday, December 9th at the Roper Mountain Science Center. The details are listed on the Programs Page. For more information, please contact our Programs Chairman, Grant Wiegmann, by phone at 864-672-6105 or email at programs@ashrae4greenville.com

A Message from the President

Thank you to Chris Adams of the Adams Company for his presentation on Psychrometrics at the November meeting. Chris is a former board member and long supporter of the Greenville chapter.

This month is on "Right Sizing" and we will be looking for your input. Everyone in the HVAC business has an opinion on how to correctly size a system and we want you to chime in.

For the November meeting we had 29 RSVPs and 31 in attendance. The closest count we have had in a long time, and that allows us to keep the catering costs in line.

Thank You.

Mark your calendar for January 13 and the chapter meeting. We start off the new year with an ASHRAE distinguished lecturer and open protocol control systems.

Merry Christmas!



**Devon
Cortright
President**

Chapter Administration

The Board of Governors meeting for November 22 including discussion on the following:

- Finances
 - Paypal to pay meeting fees was abandoned.
 - Credit card account will be investigated.
- Review of meeting speaker status.
 - Dennis Knight's December subject will be "Right Sizing" in lieu of the 2009 codes.
 - April and May meeting speakers are yet to be established.
- Research Promotion
 - Golf tournament. October 22 generated approximately \$5000
 - Meeting sponsorship options discussed.
- Student Activities
 - One ASHRAE scholarship interviewed
- 2012 CRC Preliminary Planning
 - Discussion on possible downtown locations vs the Embassy Suites (2005 CRC location.)

Devon Cortright
Greenville ASHRAE President
president@ashrae4greenville.com

Chapter Programs



Last month we had our own Chris Adams giving a presentation on Psychrometrics for Indoor Air Quality. Overall, the presentation was very well received and Chris gave us a great review on Psychrometrics and the properties of air.

This month's meeting will again be held at the Roper Mountain Science Center with Dennis Knight of Liollo Architecture speaking on Right Sizing. This forum discusses what right sizing may mean and what are its implications with respect to load calculations, equipment selection, operation and maintenance in the near-zero energy future. Please see the meeting agenda below for information on the program. As always, we welcome feedback on past programs and suggestions for future ones.

Grant Wiegmann
Programs Chair
programs@ashrae4greenville.com

December Meeting

Program: Right Sizing

Presenter: Dennis Knight

Mr. Dennis Knight has 35 years of experience providing engineering, design and construction related services within the building industry. Active at the local, state and national levels with various agencies and professional societies, he works to help develop sustainable, integrated building design guidelines.

Nationally, as a member of ASHRAE, Mr. Knight is the Vice Chairman for Research Promotion and also serves as the Chair of Technical Committee (TC) 7.1 "Integrated Building Design" and serves on the ASHRAE BIM Steering Committee. He has also served as the President of the Charleston Chapter twice since he joined the Society in 1979.

As Liollo Architecture's Principal and Director of Practice Management, Mr. Knight utilizes his extensive experience in the design and construction industries to assist the architectural and design professionals, project managers, business development department and corporate management within the firm and our consultants and clients in the preparation of construction documents (procurement documents, drawings and specifications) and contracts, performs code analysis and product research, prepares LEED Documentation, and prepares design and construction cost estimates. In addition he develops quality assurance checklists and guidelines to help facilitate interdisciplinary coordination during the design and construction phases of a project.

Prior to joining Liollo Architecture, Dennis was an owner and managing member of a local engineering and construction company for 23 years. He strives to facilitate the integration of each element and discipline required in a project, with consideration for the life-cycle costs and benefits related to those elements, so that all the pieces and parts of a design work together in concert with each other and their surroundings.

Mr. Knight holds an assortment of professional registrations and accreditations. He is a Registered Professional Engineer in South Carolina, North Carolina, Georgia, and Wisconsin. He is a LEED Accredited Professional and is affiliated with the US Green Building Council. Mr. Knight is also a CSI Certified Construction Document Technologist and Constructional Specialist, as well as a ACG Certified Commissioning Authority.

AWARDS AND HONORS

- US Green Building Council South Carolina Chapter Leadership Award, 2008
- AIA Charleston Special Recognition for Outstanding Service to the Community and the Design Profession, 2008
- ASHRAE Research Promotion “Top Dog” Award, 2005, for directing the most successful Research Fund-raising Campaign in all of Society
- Engineer of the Year Award, 2003 Charleston Joint Engineers Society
- Past President Charleston Chapter ASHRAE 1986 and 2000
- Chairman, Construction Board of Adjustments and Appeals, Town of Mt. Pleasant, SC, 1999

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

Date: Thursday, December 9, 2010

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: Lunch Program: \$10/chapter member \$15/non-chapter member (catered lunch)

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

**Please RSVP to programs@ashrae4greenville.com
No later than Noon Tuesday, December 7, 2010**

Membership Corner

Thank you to all new and returning Members who attended last month's meeting. This month will be our last meeting before the Christmas Holiday ~ So Merry Christmas to all, be safe and enjoy your time with family and friends.



Tis the SEASON to JOIN ASHRAE Greenville Chapter...

ASHRAE membership is open to any person associated with heating, ventilation, air conditioning or refrigeration. ASHRAE is unique because its membership is drawn from a wide range of disciplines relating to the HVAC&R field. Approximately 51,000 individuals from more than 100 nations belong to the Society. Among them are students, consulting engineers, mechanical contractors, building owners, and employees of manufacturing companies, educational institutions, research organizations, government or any organization concerned with environmental control. Members range from students to longtime engineers and professionals in other related disciplines such as architecture and medical research.

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.

Become Well Read

ASHRAE members receive the following as part of their membership:

- **ASHRAE Handbook** – this reference manual is the most widely cited reference for HVAC&R technology in the world. Each year one of the four volume Handbooks is updated and delivered to members to add to their library and knowledge base.
- **ASHRAE Journal** – a monthly magazine that brings current trends and information to your desk in your choice of print or digital format.
- **ASHRAE E-newsletters** – delivered to your desk in print and digital form, these publications help you keep on top of what is going on in the Society and the industry, all over the world!
- **Discounts** on ASHRAE publications – ASHRAE members earn 15% off publications through www.ashrae.org/bookstore. More than 300 titles are available including the ASHRAE Standards.

Become The Office Expert

Another popular saying is: "You learn something new every day." ASHRAE members are lifelong learners. Here are some ways you can expand your knowledge base:

- **ASHRAE Certification** – earn your certification and put the letters behind your name that show that you have the knowledge you need to succeed in the industry.
- **ASHRAE Learning Institute Courses** – earn your PDHs online or at the ASHRAE Winter and

Annual Conferences. Courses are offered all year long, giving you many opportunities to learn and grow.

Be The Person You Want To Be

Networking at **ASHRAE** events and volunteerism in the Society are essential to your success:

- **Chapter Meetings** – each month, all over the world, ASHRAE chapters convene for an informational program featuring a speaker or topic that is key to professionals in the industry. Meet with your peers and share ideas!
- **ASHRAE Committees** – Committee members get a chance to participate and lead a group toward a common goal. The skills learned and used through committee work are valuable and useful back on the job. We are always accepting volunteers in all capacities for ASHRAE Greenville – See a chairperson or Board member if interested in serving. Or email me at membership@ashrae4greenville.com

All of these reasons, added up, are the reason **ASHRAE** exists and why **ASHRAE** needs you. Join **ASHRAE** and see why our membership is so strong and why we always have room for more professionals, just like you.

Go to www.ashrae.org and sign up or encourage your colleagues by sharing with them why you are a member.

Merry Christmas and Happy New Year!

Dorothy Bertolini

membership@ashrae4greenville.com

Research Promotion

Thanks to everyone that made the Fall Golf Outing a huge success. We raised over \$5,000 towards ASHRAE Research. Overall there were 36 players from 9 teams who competed in the captain's choice tournament. Held at Green Valley Country Club on October 22, the weather could not have been better at a sunny 74°. A special thanks goes to our platinum sponsors Bill Bowers with Hoffman and Hoffman, and James M. Pleasants Co. We had two gold sponsors, Trane and JCI. Lunch was provided by Commissioning Consultants. The winning team, JMP, shot 58 – three strokes lower than second place, which was claimed by Trane. Members of the JMP team included Will Thomason, Phillip Walpole, Shane Blackwell, and David Mason. Special recognition goes to Allison Knox of JCI for the longest Drive. Additionally, James McLemore of Maddox Engineering received the closest to the pin prize. The next golf tournament will be held in the spring, so start planning your teams now. Stay tuned for details!

Regards,
Ryan Deter
Research Promotion Chair

Tentative Event Dates for 2010-2011

Thursday 09/09/2010	September Chapter Meeting: Building Leakage & Testing	Presenter: Rodney Hinton
Thursday 10/14/2010	October Chapter Meeting: Product Liability & IAQ Liability	Presenter: Ward Lambert
Friday 10/22/2010	ASHRAE Golf Tournament	
Thursday 11/11/2010	November Chapter Meeting: Humidity Control and Outside Air	Presenter: Chris Adams
Thursday 12/09/2010	December Chapter Meeting: Right Sizing	Presenter: Dennis Knight
Thursday 01/13/2011	January Chapter Meeting: Open Control System or What's in a Name?	Presenter: Bryan T. Lampley, P.E.
Thursday 02/10/2011	February Chapter Meeting: Energy Storage for a Low Carbon Future	Presenter: Mark Johnson
Wednesday 03/10/2011	March Chapter Meeting: Steam Traps	Presenter: Chris Edmundson
Thursday 04/14/2011	April Chapter Meeting:	Presenter:
Thursday ?	ASHRAE Golf Tournament	
?	ASHRAE Webcast:	
Thursday 05/12/2011	May Chapter Meeting:	Presenter:



ASHRAE
Technology for a Better Environment

Region IV
Greenville Chapter