



Giga-Joule

Greenville
Chapter of
ASHRAE

May 2007

Meeting Announcement

This month's meeting will be held on **Tuesday, May 15th, 2007 from 11:30 am to 1:00 pm at the Roper Mountain Science Center** located at the intersection of I-385 and Roper Mountain Road. For directions, please contact Programs Chairman, Graham Fizer, by phone at 864.627.9675 or e-mail at programs@ashrae4greenville.com.

A Message from the President

The Greenville Chapter would like to thank Tom Shiflet for his informative presentation on the refrigeration cycle last month.

Please come and join us for our final meeting of the spring meeting of the year! We are excited to have Jay Eldridge of McQuay International visiting our chapter.

I would like to take a moment and thank all of my officers and board of governors for their participation during the 2006 – 2007 year.

I would also like to thank all of our sponsors – as a chapter we continue to make yearly contributions to both Society and to Roper Mountain Science Center.

Thanks again for everyone's attendance during my term as President and please come and join us for our final meeting until September.

On a final note, don't forget the Spring Golf Tournament NEXT WEEK. Please get your teams entered.

Eric Scott
Greenville ASHRAE President
president@ashrae4greenville.com

Greenville Chapter – 2006-2007 Platinum Sponsors



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Chapter Programs



Program: USGBC, LEED, and Sustainability

This month's presentation will address the US Green Building Council and the LEED rating systems with an emphasis on new construction (LEED-NC). The presentation will also include a short overview of the ASHRAE position on sustainability.

Presenter: Jay Eldridge, McQuay International



Jay Eldridge is the Applications Manager for McQuay International, a manufacturer of HVAC equipment. He has over 15 years experience in the application and design of applied HVAC systems. His current responsibilities include development of HVAC applications material and software including McQuay's Energy Analyzer. He provides training for customers worldwide on system optimization and energy cost analysis. He is also active in promoting sustainable design and is LEED accredited. He is an ASHRAE member and serves as a corresponding member for TC 6.2 District Energy. Jay has a degree in Mechanical Engineering from Iowa State University.

Location: Roper Mountain Science Center – Auditorium (See front page for directions)

Date: Tuesday, May 15, 2007

Schedule: 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 p.m. to 1:00 p.m. Main Program

Cost: \$10/person - Lunch is included & guests are welcome. Guests eat free with completed membership application.

Please reply to programs@ashrae4greenville.com by Friday, May. 11th. Must RSVP to ensure lunch!

Education: This program qualifies for 1.0 PDH (including NC PE as well). **Don't forget to RSVP!**

Graham Fizer
Programs Chairman
programs@ashrae4greenville.com

Resource Promotion

SPRING ASHRAE GOLF TOURNAMENT

MAY 17, 2007

**VERDAE GREENS
1:00 SHOTGUN START**

**\$200 PER TEAM
\$200 HOLE SPONSOR
\$150 LONG DRIVE CONTEST
\$150 CLOSET TO THE PIN
\$200 DINNER SPONSOR
\$200 DRIVING RANGE SPONSOR**

ALL MONEY GOES TO ASHRAE RESEARCH PROMOTION. FOR ANY SPONSORSHIPS, PLEASE MAKE A CHECK TO:

**ASHRAE – RP
C/O WILL THOMASON
103 SMITH HINES ROAD
GREENVILLE, SC 29607**

FOR THE GOLF, PLEASE MAKE A CHECK OUT TO GREENVILLE ASHRAE. IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT WILL THOMASON AT (864) 421-2949. DOOR PRIZES ARE NEEDED AND WELCOMED. WE ARE GOING TO BE PLAYING A CAPTAIN'S CHOICE FORMAT. BOX LUNCH AND DRINKS WILL BE PROVIDED. I LOOK FORWARD TO SEEING YOU OUT THERE. REMEMBER, THIS MONEY GOES TO RESEARCH PROMOTION FOR FUTURE PROJECTS THAT AFFECT EVERYONE.

WE ARE ALSO DOING SOMETHING NEW THIS YEAR TO RAISE MONEY. WE HAVE 4 LEVELS OF GIVING. THIS IS BASED ON 2 GOLF TOURNAMENTS PER YEAR.

PLATINUM SPONSOR (\$1000)

**2 HOLE SPONSORSHIPS (1 IN EACH TOURNEY)
2 TEAM SPONSORS (1 IN EACH TOURNEY)
YOUR AD IN THE GIGA-JOULE
YOUR AD ON THE WEBPAGE
PERSONAL RECOGNITION AT EVERY MEETING**

GOLD SPONSOR (\$750)

**2 HOLE SPONSORSHIPS (1 IN EACH TOURNEY)
1 TEAM SPONSOR
YOUR AD IN THE GIGA-JOULE
YOUR AD ON THE WEBPAGE**

SILVER SPONSOR (\$500)

**1 HOLE SPONSORSHIP
1 TEAM SPONSOR
YOUR AD IN THE GIGA-JOULE
YOUR AD ON THE WEBPAGE**

CORPORATE/INDIVIDUAL SPONSOR (\$250)

**1 HOLE SPONSOR
PERSONAL RECOGNITION AT THE MEETING**

Membership Corner

Another ASHRAE Calendar Year is coming to a close. As we started the year, our data showed 75% Current Members, 17% Due, and 7% Past Due. We have all made great progress this year as we are now at 93% current, 1% Due, and 6% Past Due. Thanks to everyone who has been diligent in keeping ASHRAE going and supported. Thanks for a great year and don't stop just for summer, keep your eyes open for new members and thinking of ways to make next year even better.

Attendees at the last meeting were: Rodney Hinton, Jim Reeves, Devon Cortright, Eric Scott, Caroll Suttles, Chris Adams, James Bryan, Ken Clark, Scott Houston, Jim Ridenhour, Greg Kyzer, Bill Knight, Dorothy Bertolini, Chip Allison, Tom Williams, Manuel Del Valle, Paul Jenson, Stan Hix, Eddie Arledge, Jim Critchen, Graham Fizer, Ron Greer, Harold Graves, Karl Counts, Ron Sparks, John Gilbert, Doug Peterson, Bill Carnes, David Roberts, Scott Heter, Daniel Gosnell, Hamp Crow and Jeff Mitchell.

For questions and applications, contact me. membership@ashrae4greenville.com or (704)664-4907

Chris Adams

Membership Chairman

membership@ashrae4greenville.com

Technology Awards

Effective energy utilization is just one of several aspects of facility and building design. The ASHRAE Technology Awards program recognizes successful applications of innovative design, which incorporate ASHRAE standards for effective energy management, indoor air quality, and good mechanical design.

The purpose of the ASHRAE Technology Awards is threefold:

1. To recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data.
2. To communicate innovative systems design to other ASHRAE members.
3. To highlight technological achievements of ASHRAE to others, including associated professionals as well as building and facility owners.

All current members of ASHRAE and its Associate Societies may submit entries. Entrants must have had a significant role in the design or development of the project.

ASHRAE wants to recognize innovative projects at the both the local and national level. One can submit a project for recognition at the local and regional level with a minimal amount of paperwork.

- Complete the one page Chapter/Regional Technology Award Short Form available from the Chapter Technology Chairman, Devon Cortright.
- Provide a system schematic/diagram not larger than 11" x 17" in size. In addition, attach a brief narrative (maximum of 2 pages). The narrative should include the gross and net building areas applicable to the project, a description of the major building areas (i.e., operating rooms, laboratories, computer rooms, industrial processes, offices, warehouses) and a brief discussion regarding the following five criteria (if a criterion is not applicable, state accordingly):

- Energy Efficiency
- Indoor Air Quality
- Innovation
- Operation & Maintenance
- Cost Effectiveness
- Environmental Impact

Entries for the 2006-2007 Fiscal year should be received by June 1, 2007. Contact Devon Cortright for additional information.

Greenville Chapter ASHRAE

2004-2005 Chapter Officers

Office	Officer	Company	Phone	Fax	email
President	Eric Scott	Carrier Carolinas	232-6633 x21	242-0292	president@ashrae4greenville.com
Programs/ PE	Graham Fizer	York International	627-9675 x120	627-0953	programs@ashrae4greenville.com
Secretary	Scott Houston	Thermal Resource Sales	250-2822	250-0585	secretary@ashrae4greenville.com
Treasurer	Rodney Hinton	Palmetto Air Test & Balance	877-6382	877-5490	treasurer@ashrae4greenville.com
Membership	Chris Adams	Adams Companies Inc.	704-664- 4907	704-664- 0846	membership@ashrae4greenville.com
Research Prom.	Will Thomasson	James M. Pleasants	232-0200	232-0025	rp@ashrae4greenville.com
CTT	Devon Cortright	H2L	233-8844	232-2679	ctt@ashrae4greenville.com
Student Activities					sa@ashrae4greenville.com
Historian	Paul Jensen	Trane Upstate Carolina	672-6130	672-6001	history@ashrae4greenville.com
Webmaster	Karl Counts	Day & Zimmermann	241-8335	241-6750	webmaster@ashrae4greenville.com

Tentative Meeting Dates for 2006-2007

Tues 9/21/2006	ERV Technology	Bruce Anderson, Micrometl
Tues 10/17/2006	Controls Protocol & Integration	Jeff Swiderski, Carrier Controls
Tues 11/14/2006	Indoor Air Quality & Mold; Legal Issues & Liability	Chris McDonald, Shook Hardy & Bacon
Tues 12/12/2006	Acoustics	David Egan
Tues 1/16/2007	Building Code Review	Code Official
Tues 2/20/2007	Selecting VAV for Acceptable IAQ	Dan Int-Hout III, Chief Engineer, Krueger
Tues 3/15/2007	Joint Meeting with Mechanical Contractors Association	David Hensley
Tues 3/20/2007	Fan Selection, Installation and System Effect	Rad Ganesh PHD, PE; Twin City Fan
Tues 4/10/2007	Mechanics of Refrigeration Cycle	Tom Shiflet, Greenville Tech
Tues 5/15/2007	LEED	Jay Elridge, McQuay

Greenville Chapter of ASHRAE



ASHRAE

Technology for a Better Environment