



Giga-Joule

Greenville
Chapter of
ASHRAE

March 2007

Meeting Announcement

This month's meeting will be held on **Tuesday, March 20th, 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 Dan Int-Hout for his presentation on Selecting VAV for Acceptable IAQ. We had a nice turnout for Dan's second visit to Greenville.

Please come and join us for the March meeting Tuesday. Rad Ganesh will be visiting to present on fan system effect and how to quantify it.

We are currently accepting nominations for new officers, committee chairmen, and committee members for the 2007 – 2008 ASHRAE year. Please let any of our current officers know that you are interested in participating, and we'll find you a place for next year.

On a final note, don't forget the Spring Golf Tournament in May. Please get the word out and let's have a big turnout.

Eric Scott
Greenville ASHRAE President
president@ashrae4greenville.com

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Chapter Programs



Program: Fan System Effect

Fan System Effects is one of the least understood topics in the air moving industry. This presentation attempts to address what system effect is and how it can be quantified in various applications.

Presenter: Rad Ganesh, Twin City Fan

Rad has nearly 20 years experience in the HVAC and fan industries and has been with Twin City Fan Companies Ltd. since 2001. He currently works in product development, customer testing, application support and lab management. Rad worked for 11 years in product development at the Trane Company.

He has 3 patents to his credit and has made several presentations at ASHRAE, AMCA and in company training seminars. He has served on the AMCA 210, 211 and Technical Advisory Committee on Sound (TACOS) committees. He is a voting member in ASHRAE TC5.1 (Fans) and a member of TC2.6 (sound and vibration). Rad received his BSME from the University of Madras, India, MSME from the University of Windsor, Canada and PhD in ME from the University of Missouri-Rolla in 1987. He is a registered Professional Engineer in Wisconsin"

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

Date: Tuesday, March 20, 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

Please reply to programs@ashrae4greenville.com by Friday, Mar. 16th. **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)

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CORPORATE/INDIVIDUAL SPONSOR (\$250)

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

Membership Corner

Membership Monthly Activity: 4 new members joined the Greenville Chapter this month, 1 was a student member. Welcome Aboard.

Attendees at the last meeting were: Devon Cortright, Eric Scott, Carroll Suttles, Chris Adams, James Bryan, Ken Clark, Scott Houston, Jim Ridenhour, Tom Aitken, Chip Allison, Greg Kyzer, Dan Int-Hout, Bill Knight, Dorothy Bertolini, Clint Hunter, Tom Williams, Lee Capps, Barry Jones, Scott Poole, Gary Osteen, Walter Tuttle, Curtis Hall, Buist Langley, Allison Knox, Chris Shaylin, Manuel Devalle, Kevin Melton, Jay McCutchen, Paul Jenson, Craig Bucher, Keith Mattison, Jim Reeves, Rodney Hinton, Bill Reynolds, Jim McCarter and Jeff Mitchell.

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

Chris Adams

Membership Chairman

membership@ashrae4greenville.com

Technology Transfer

South Carolina Boiler Inspections

Effective January 1, 2006 South Carolina had a law in effect requiring the registration and inspection of boilers. We are now approaching the end of the initial phase-in period. All of the boilers effected by the legislation are to be registered and inspected by May 31, 2007. For details on the requirements use the following links.

<http://www.llr.state.sc.us/pol/Boilers/Forms/Doc%20200.pdf>

<http://www.scstatehouse.net/CODE/t41c014.htm>

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
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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
Thurs 4/19/2007	Satellite Broadcast	
Tues 5/15/2007	LEED	Jay Elridge, McQuay

Greenville Chapter of ASHRAE



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Technology for a Better Environment