



# Giga-Joule

Greenville Chapter

April, 2012

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

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## *Meeting Announcement*

The April meeting will be held on Thursday, April 12th at the Roper Mountain Science Center. The details are listed on the Programs Page. For more information, please contact our Secretary, Ryan Tonnsen, at [secretary@ashrae4greenville.com](mailto:secretary@ashrae4greenville.com)

## *A Message from the President*

Thanks to everyone who came to our March meeting at ICAR where our topic was Underfloor Air Distribution and we did a tour of an Underfloor system on the ICAR campus. A special thanks to Ghassan Elkhatic who gave the presentation and helped conduct the tour. The meeting was well attended and we even had 6 or 7 of our Clemson Student Chapter members attend. Our April meeting will be back at Roper Mountain Science Center where George McCall will present on Smoke Evacuation Systems, so be sure to put April 12<sup>th</sup> on your calendars. See program flyer below for more details.



There will be a free, live ASHRAE Webcast on April 19<sup>th</sup> from 1:00 – 4:00 p.m. on Dedicated Outdoor Air Systems – A Path to Balancing Energy and IEQ. By watching the Webcast, you will be eligible for 3 PDH credits. You can find more information on the ASHRAE Society website.

**We will be having a joint meeting with the Piedmont Chapter of the Mechanical Contractors Association of South Carolina (MCASC) on Tuesday, May 1<sup>st</sup>.** The meeting will be held at BMW Zentrum and U.S. Congressman Trey Gowdy will be the speaker. Please see following page for more details.

Other discussions during our Board of Governors meeting on February 14<sup>th</sup> include the following:

- We have nearly filled all of our positions for the 2012-2013 ASHRAE year – please let me know if you are interested in volunteering.
- The ASHRAE Golf Tournament will be on Friday, April 27<sup>th</sup> with registration beginning at 12:00 p.m.
- We have donated \$375 to the Science Fair that Roper Mountain Science Center hosted on March 27<sup>th</sup>. We have selected our 2 Awards which will be given out at the Awards Ceremony on 4/10.

**Grant Wiegmann**  
Chapter President  
[president@ashrae4greenville.com](mailto:president@ashrae4greenville.com)

**Joint MCASC/ASHRAE meeting  
United States Congressman Trey Gowdy**

Please join the Piedmont Chapter of the Mechanical Contractors Association of South Carolina (MCASC) on **Tuesday, May 1<sup>st</sup>** for a special program with U.S. Congressman Trey Gowdy, Representative of the 4<sup>th</sup> District of South Carolina.

Questions from the chapter membership and guests will be welcome at the end of the presentation! For more information about Congressman Gowdy, please visit [www.gowdy.house.gov](http://www.gowdy.house.gov) .

The meeting's co-hosts are Ferguson Enterprises, Inc. and BMW Manufacturing Company. Registration will begin at 5:30 PM, program beginning promptly at 6:00 PM, and light hors d'oeuvres to follow the program. Beverage sponsor is Control Management, Inc. ***Seating is limited and pre-registration is required.*** Meeting costs are \$20 per person payable cash/check/VISA charge to the MCASC, call 803-772-7834 to register now. Registrations will be accepted through Friday, April 27<sup>th</sup>.

This program will be held at the BMW Zentrum. Please target a 5:30 PM arrival time as traffic along I-85 can be somewhat unpredictable.

More information about the MCASC can be found at [www.mcasc.com](http://www.mcasc.com).

For more information please contact Anna Chaney ([achaney@mcasc.com](mailto:achaney@mcasc.com)) or Bryan Finch ([bryanf@controlmanagement.com](mailto:bryanf@controlmanagement.com)) .

## *Membership Corner*

**APRIL is Membership Promotion Month for the Greenville Chapter of ASHRAE...READ BELOW for details & Bring a friend or two.**

**ASHRAE Greenville** would like to extend a warm welcome to our newest members and as always thank our returning members for their support throughout the year.

Folks ~ This is your last opportunity of the ASHRAE Season for 2012 to get a Free Lunch for you and your guest. In order to be eligible we ask that you bring a potential new Member to the April meeting. Once they are signed in they will be given an application and information on Membership Benefits. That is all there is to it – and you both will receive a FREE LUNCH on meeting day courtesy of your fellow members of the Greenville Chapter of ASHRAE. (NOTE: Forms are available by going to [www.ASHRAE.org](http://www.ASHRAE.org) or just pick one up at the meeting.)



Invite, invite, invite – ASHRAE is open to any person associated with heating, ventilation, air conditioning or refrigeration through such disciplines as indoor air quality and energy conservation. We offer a few different types/grades of Membership – Member, Associate, Affiliate and don't forget Students.

We are always looking for ideas on how to increase membership – also if you are interested in serving on the Board, please let us know. We welcome any input throughout the year.

For questions and applications, contact me. [membership@ashrae4greenville.com](mailto:membership@ashrae4greenville.com) or (864) 444-0219

**Best Regards,**  
**Dorothy Bertolini**  
**Membership Chair – ASHRAE Greenville SC**  
[membership@ashrae4greenville.com](mailto:membership@ashrae4greenville.com)

## *Chapter Programs*

As mentioned above, we are handling the Programs Chair by committee until we come up with a chairman.

This month's technical presentation is "Smoke Management Systems Reliability." Please RSVP so that we can make arrangements to have the appropriate amount of food available.

### *April Meeting*

Program: Smoke Management Systems Reliability

George H. McCall, P.E.

Vice President - McCall & Son, Inc. Registered consulting engineer specializing in fire protection engineering in industrial and commercial properties. Retired Fire Marshal for the Wade Hampton Fire Department where he supervised the Fire Prevention Bureau, enforced fire and life safety codes and approved plans for commercial, industrial, multi-family construction to ensure compliance with codes. From 1986 to 2006 he was Coordinator for the Greenville County Emergency Response Team / Hazardous Materials Division where he was responsible for command operations, training, and record management for the regional team and was a volunteer on the regional COBRA Team.

George has Master of Public Administration and Bachelor of Science / Electrical Engineering Degrees.

An active member in numerous professional organizations including National Society of Professional Engineers, International Association of Fire Chiefs, American Society of Safety Engineers, Institute of Fire Engineers (UK).

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

**Date:** Thursday, April 12, 2012

**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 p.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 [secretary@ASHRAE4greenville.com](mailto:secretary@ASHRAE4greenville.com)  
No later than Noon Tuesday, April 10th, 2012**

# Chapter Technology Transfer

## CTTC

Technology Award. It is hard to believe that once again we are approaching the end of the ASHRAE year. It is time for submission of projects eligible for awards. The Technology Award is for projects that are unique in their use of controls or equipment, or are energy efficient. Review your hard work for the last year and consider entering one. The application process is easy and you and your client may receive some recognition.

WebCast. Registration is now open for the free ASHRAE webcast, DOAS A Path to Balancing Energy and IAQ. The broadcast will be from 1 to 4 PM on April 19, 2012. Upon completing an online review form the webcast is eligible for 3 professional PDHs and 3 USGBC LEED Credits. Go to the ASHRAE Website at <http://www.ashrae.org/membership--conferences/webcasts> to register.

The following addendums to 62.1-2010 are out for public comment through April 22.

Addendum i draft proposes adding a minimum humidity level to the standard.

Addendum f draft proposes a default value for Ev as 0.6 as option to using the values in Table 6-3. The proposed default "simplifies" calculations, but forces the user to a comparatively high outside air level.

Addendum h draft proposes a change to the ventilation values for the playing surface in Sports Arenas and Gymnasiums.

2010 Addendum k draft proposes a change in the allowable recirculation of Class 4 air.

Addendum l draft proposes a ventilation level for freezers and refrigerated spaces. The ventilation level is based on people only and has no general requirement on a per person basis. Essentially, only occupied refrigerators need to have outside air.

The following addendums to 90.1-2010 are out for public comment through April 22.

Addendum ad draft proposes adding provisions to Appendix G (Energy Modeling) to allow a baseline building to use some reheat for humidity control.

Addendum aj draft proposes requiring that fractional horsepower motors be the ECM type.

Addendum as draft proposes revising control shutoff requirements for preheat coils and humidifiers.



**Devon Cortright PE**  
**Chapter Technology**  
**Transfer Chairman**  
[ctt@ashrae4greenville.com](mailto:ctt@ashrae4greenville.com)

**Devon Cortright , P.E., LEED AP**  
**Chairman Chapter Technologies Transfer, Greenville Region IV**  
**ASHRAE Member Since 1982**

## Tentative Event Dates for 2011-2012

Thursday 09/08/2011	September Chapter Meeting: Fabric Duct Design	Presenter: Chris Pavlatos
Thursday 10/13/2011	October Chapter Meeting: Water Treatment for Cooling Tower, Hot Water and Chilled Water Systems	Presenter: David Graham
Friday 10/14/2011	ASHRAE Golf Tournament	Green Valley Country Club
Thursday 11/10/2011	November Chapter Meeting: Variable Volume Kitchen Application/Design	Presenter: Brian Rivet
Thursday 12/08/2011	December Chapter Meeting: Wireless Communications	Presenter: JCI
Thursday 01/12/2012	January Chapter Meeting: IAQ Method of 62.1	Presenter: Charles Waddell
Thursday 02/9/2012	February Chapter Meeting: Flow and Energy Meters	Presenter: David Pleasants
Thursday 03/8/2012	March Chapter Meeting: Underfloor Air Distribution & ICAR Tour	Presenter: Ghassan Elkhatib
Thursday 04/12/2012	April Chapter Meeting: Smoke Evacuation Systems	Presenter: George McCall
Friday 4/27/2012	ASHRAE Golf Tournament	
Thursday 05/10/2012	May Chapter Meeting: Retro-commissioning	Presenter: Roy H Bohanon ASHRAE Distinguished Lecturer



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Technology for a Better Environment

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