



Giga-Joule

Greenville Chapter

May, 2012

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

Meeting Announcement

The May meeting will be held on Thursday, May 10th 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

A Message from the President

Thanks to everyone who came to our April meeting where we had a presentation on Smoke Management Systems. A special thanks to George McCall who gave the presentation for us.

Our spring golf tournament was last Friday, April, 27th at the Preserve at Verdae Country Club. We had a good tournament and good weather. I think everyone had a great time. Thanks to Lee Chapman, Will Thomason, Bill Bowers, and all else involved in putting this successful tournament together.

All ASHRAE members are invited to the CRC, which will be hosted by our own Chapter at Embassy Suites on Verdae on August 2nd thru the 4th. There will be a golf tournament on Thursday. The schedule for Friday and Saturday contain officer training seminars, business meetings, and technical sessions. (The CRC technical sessions are typically very good.) More details along with the registration can be found on the ASHRAE website.

As a final note before our last Chapter Meeting of the ASHRAE year, I'd like to thank everyone involved with the Greenville Chapter for help making it a continued success. I'd especially like to thank the 2011-2012 Board of Governors for all their contributions. This is a volunteer organization, and, we can't sustain without a lot of work and time by a lot of people. I have really enjoyed my time as being President. Please support Ryan Tonnsen and the rest of the incoming Board next year.



Grant Wiegmann
Chapter President
president@ashrae4greenville.com

Membership Corner

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.

A little bit about ASHRAE: Membership in ASHRAE – the American Society of Heating, Refrigerating and Air-Conditioning Engineers – is open to any person associated with heating, ventilation, air conditioning or refrigeration through such disciplines as indoor air quality and energy conservation, for example. Membership in ASHRAE allows access to state-of-the-art HVAC&R technology and provides many opportunities to participate in the development of that technology.



Invite your friends and colleagues – 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.

Existing MEMBERS – Ask Me about Upgrading your Membership by going online to www.ASHRAE.org to update and complete your BIO...this process will automatically upgrade your membership based on the information that you supply...it's quick and it's easy ~ After all it's all about YOU!

I am always available to discuss your questions and concerns, or if you have a good idea or suggestion on how we can increase membership – trust me...We are interested.

Drop me an email Membership@ASHRAE4GREENVILLE.COM or call me at 444-0219.

Just a reminder: **Chapter Members** in good standing (paid dues) **\$10.00** per meeting – lunch included.
Non-Chapter Members \$15.00 per meeting – lunch included.

Best Regards,
Dorothy Bertolini
Membership Chair – ASHRAE Greenville SC
membership@ashrae4greenville.com

Chapter Programs

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

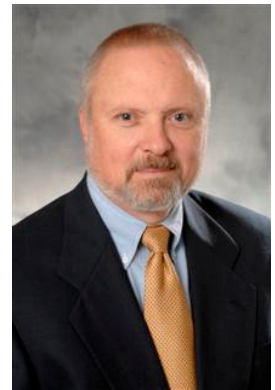
This month's technical presentation is "Retro-Commissioning." Please RSVP so that we can make arrangements to have the appropriate amount of food available.

May Meeting

Program: Retro-Commissioning

Hoy Bohanon

The May ASHRAE lunch meeting presentation will be on Retro-Commissioning presented by ASHRAE distinguished lecturer Hoy Bohanon. Following our lunch meeting Mr. Bohanon will be presenting a 3 hour seminar on "ASHRAE 62.1-2010 Multiple Space Calculations". Please RSVP and let us know which of the sessions you will be attending. There is no fee for the seminar, but we will be requesting donations for ASHRAE Research.



HOY BOHANON, PE, BEAP, LEED AP
Director of Energy Programs, WorkingBuildings, LLC, Winston-Salem, NC

As Director of Energy Programs for WorkingBuildings, Hoy Bohanon works closely with clients to promote sustainability and improve energy efficiency in both new and existing buildings. Using his 36 years of experience in mechanical engineering, Hoy acts as WorkingBuildings' Energy Lead for commissioning, retro-commissioning and energy audits for all types of buildings. Mr. Bohanon began his engineering career as a research and design engineer, and then gained experience as a project engineer, facilities engineer, facilities manager, indoor air quality research engineer, environmental engineer, and business owner. He has a master's degree in engineering from North Carolina State University, and a bachelor's degree in mechanical engineering from Georgia Institute of Technology.

Mr. Bohanon has written technical papers and articles on indoor air quality, operations, and maintenance, is an ASHRAE Distinguished Lecturer, and is a frequent presenter at technical society meetings. He has been a member of the ASHRAE Standards Committee since 2009 and is a recipient of the ASHRAE Distinguished Service Award. He is a member of ASHRAE Standard 62.1 committee, *Ventilation for Acceptable Indoor Air Quality*, ISO TC 205 *Building Environment Design*, and TC5.5 Air-to-Air Energy Recovery committees. He is chair of the US Technical Advisory Group panel 1 (general principles) and member of panel 4 (indoor air quality) for ISO TC205.

Mr. Bohanon was recently appointed a member of the Building Energy Quotient Committee and the IAQ 2013 Program Committee. He served on the project committee that wrote *The Indoor Air Quality Guide: Best Practices for Design, Construction and Commissioning* for EPA/ASHRAE/AIA/BOMA/SMACNA/USGBC. He also teaches *Fundamentals of ASHRAE Standard 62.1-2010*, *Applications of ASHRAE Standard 62.1-2010*, and *Project Management for IAQ* for the ASHRAE Learning Institute. He will be inducted as a Fellow of the Professional Engineers of North Carolina in May 2012.

- Location:** Roper Mountain Science Center (www.ropermountain.org)
- Date:** Thursday, May 10, 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 (qualifies for 1 PDH)
1:00 p.m. to 4:00 p.m. 3 hour seminar (qualifies for additional 3 PDH)
- Cost:** Lunch Program: \$10/chapter member \$15/non-chapter member (catered lunch)
- Education Credit:** This program qualifies for 3.0 PDH (including NC PE) for the full program

Please RSVP to secretary@ASHRAE4greenville.com
No later than Noon Tuesday, May 8th, 2012

Chapter Technology Transfer

Smoke Control

A follow up on George McCall's presentation on the reliability of smoke control systems. The link below is to a video of a smoke control test in a California hospital. The first 4 1/2 minutes of the 10 minute video are of watching the atrium fill up with smoke and can easily be skipped. The rest shows the components of the system in operation. I found educational in identifying the various pieces that need to be coordinated for the proper operation of the system.

<http://www.youtube.com/watch?v=a3Rg4VJVfI>



Devon Cortright PE
Chapter Technology
Transfer Chairman
ctt@ashrae4greenville.com

Preview of Coming Attractions

Your board is working on lining up speakers for the coming year and we want your input. In the works are speakers on Mold, LEED Litigation Issues, and Solar Heating. This is a starting point and we need your input. If you have a subject you want to hear about or suggested speakers let us know.

Operation and Maintenance Guideline

ASHRAE has announced the publication of Guideline 32-2012, Sustainable, High Performance Operation and Maintenance. A guideline for facility managers and staff on methods to optimize operation and maintenance of buildings to achieve the lowest economic and environmental life cycle costs. The guideline is written to cover three levels of building operating and maintenance personnel; technicians, facility managers, and senior managers. The guideline is \$59 for members and \$69 for non-members.

Technology Award Submittal

Don't forget to send in your technology award submittals. This is a good way to gain recognition for you, your firm, and your client. Here is a link to the form for submission at the Chapter and Regional level. www.ashrae.org/File%20Library/docLib/Committees/CTTC/Chapter-Regional-Application-Short-Form.pdf

From ASHRAE Government Affairs Office.

Coalitions are forming between ASHRAE members and regional energy efficiency groups. Working in concert with like-minded organizations is a basic tenet of advocacy at all levels of government – and now, U.S. ASHRAE members nationwide have the opportunity to work in tandem with influential energy efficiency advocates. There are six regional energy efficiency organizations (REEOs), which serve as guiding forces in the development of strong and sound energy policy in their respective spheres of influence. The [Southeast Energy Efficiency Alliance \(SEEA\)](#) serves the southeastern United States. ASHRAE regional and chapter leaders are taking advantage of the REEOs' 30,000-foot view of stringent energy codes and standards by discussing with these organizations ways in which ASHRAE can work with them to further the cause of greater efficiency in the built environment at their communities. If you are interested in learning more about the REEO in your part of the U.S., please contact the Government Affairs Office at WashDC@ashrae.org and they will get you up-to-speed and put you in touch with the right people.

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