



Giga-Joule

Greenville Chapter

May, 2010

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

Meeting Announcement

The May meeting will be held on Thursday, May 13th. The details are listed on the Programs Page. For more information, please contact our Programs Chairman, Manuel del Valle, by phone at 864-234-3802 or email at programs@ashrae4greenville.com

A Message from the President

Our Spring Golf Tournament was a success and we were able to raise money for ASHRAE Research Promotion! In the April Chapter meeting Chris Edmondson was great as always. There was a good opportunity for some of you to pick up 4 PDH s and we raised more money for ASHRAE Research Promotion. And with the webcast providing 3 more PDHs this past month, our members has the opportunity to pick up 7 PDHs.

We had our elections in the April Chapter Meeting and your new officers for the Greenville ASHRAE Chapter are as follows:

Greenville ASHRAE 2010-2011 Officers:

| | | | |
|------------------|------------------|----------------------|--------------------------|
| President: | Manuel del Valle | Programs: | Grant Wiegmann |
| Vice-President: | Davin Sandhu | Membership: | Dorothy Bertolini |
| President-Elect: | Grant Wiegmann | Research: Co-Chairs: | Ryan Deter & Paul Jensen |
| Treasurer: | Rodney Hinton | Student Act: | (Open) |
| Secretary: | Ryan Tonnsen | Historian: | (Open) |
| Governor: | Paul Jensen | CTTC: | Devon Cortright |
| Governor: | Bill Knight | | |
| Governor: | Carroll Suttles | | |



Davin Sandhu
President

president@ashrae4greenville.com

We are now down to our last meeting of the ASHRAE 2009-2010 year. Your Greenville Chapter has been really strong this year and Programs Chair, Manuel delValle, has done a great job of lining up programs for you. When this year ends we will have heard from four (4) Distinguished Lecturers, had a site visit at Furman and had a visitor from the South Carolina Energy Office.

Our last meeting will be held at the Greenville Drive Baseball Field. It will be held on May 13, 2010. The Chapter meeting will run from 5:00 – 6:00 pm. There will be dinner from 6:00 – 7:00 and the game will be at 7:00 pm. Please invite your friends and family. The cost will be \$20 a head for everyone who will be there for dinner presentation and game. If you would like to have your family join you after the presentation, we can get a ticket only within our block for the cost of \$7 a ticket. Please see the Chapters Program section below for more information and get with Manuel del Valle to reserve your place.

Thanks for coming out and supporting your local ASHRAE Chapter.

If you have any questions or comments, please feel free to contact me.

Davin Sandhu
Greenville ASHRAE President
president@ashrae4greenville.com

Chapter Programs



Last month Mr. Edmondson gave a presentation on the history of hydronics followed by the basics of hydronics. As usual it was a very passionate and informative presentation. I would like to thank Chris and the rest of our presenters this past year for donating their time to speak to us. It is thanks to these guys that we can offer valuable presentations to our members. For our final meeting, our very own Rodney Hinton, will be presenting on the topic of “Controlling Air Leakage in Tall Buildings.” This is a relatively new topic for most of us, but one that we will need to become more familiar with in the next few years.

Manuel del Valle
Programs Chair
programs@ashrae4greenville.com

May Meeting

Program: Controlling Air Leakage in Tall Buildings
Presenter: Rodney Hinton, TBE, CxA

Mr. Hinton is the owner and operator of Palmetto Test and Balance as well as Commissioning Consultants, LLC. He has been involved in the test and balance of HVAC systems for several years. Recently, he has been performing building leakage tests on various projects for the U.S. Army Corps of Engineers.

Leakage testing has been a topic of discussion in many HVAC circles for some time now but until recently no one has officially implemented it into their project procedures. Now the U.S. Army Corps of Engineers has mandated that all of its buildings have less than 0.25 CFM/ft² @ 75 Pa (cfm of air leakage per square foot based on a test pressure of 75 Pa). Mr. Hinton’s presentation will cover the testing procedure and its importance. This has the potential to become a standard air leakage control standard in an effort to achieve higher levels of energy conservation, comfort and safety.

Location: Fluor Field, Downtown Greenville, SC. Parking is not assigned for ASHRAE but there are several options available near the stadium.
NOTE: AN ASHRAE REPRESENTATIVE WILL BE AT THE GATE WITH YOUR TICKETS. IT IS CRITICAL THAT YOU RSVP IN ORDER TO SECURE A SPOT FOR THE PRESENTATION, DINNER AND GAME.

Date: Thursday, May 13, 2010
Time: 5:00 p.m. – 6:00 p.m. Presentation
6:00 p.m. – 7:00 p.m. Dinner Served
7:00 p.m. Greenville Drive Game Begins
Cost: Program/Dinner/Game: \$20/person
Education Credit: This program qualifies for 1.0 PDH (including NC PE)

**Please RSVP to programs@ashrae4greenville.com
no later than Noon TUESDAY, May 11, 2010**

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. Thank you to all who participated in our Spring Golf Tournament.

This month will be our final meeting of the year, see below for details...

FREE DINNER & BASEBALL GAME TICKET for our Thursday- May13, 2010 meeting held @ The Greenville Drive Stadium/Fluor Field.

Read below to see how to become eligible for a **FREE Meal and GAME Ticket...** a **\$20.00** value.

Our final meeting will be the Second of our two **Membership Promotion Meetings** and will be on Thursday May 13, 2010 at the **Greenville Drive Stadium/Fluor Field**. This will be a New Member, Friends and Family Evening. We will have dinner at the field, a brief meeting, and then kick back and enjoy the game. You are encouraged to bring a friend along with a completed ASHRAE Membership form and payment to the game or anytime before and they will be our GUEST (**Greenville Chapter of ASHRAE**) for the evening. (NOTE: Forms are available by going to **www.ASHRAE.org**)

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 – We welcome any input throughout the year. For questions and applications, contact me. membership@ashrae4greenville.com or (864) 444-0219

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



Chapter Technology Transfer

International Code Council Green Construction Code

In March the International Code Council (ICC) announced the International Green Construction Code (IGCC). The IGCC is intended as a mandatory code for the construction of “green” buildings. There have been a number of news releases over the last couple of years regarding certain municipalities, institutions, or governmental agencies requiring that all of their new construction be LEED certified. This provides an alternate path and is intended for use by code officials, contractors, and engineers to define the minimum acceptable standards for a “green” building.

Those of you who have studied the LEED point system will readily recognize the basic structure of the document. It contains chapters on Site Development, Material Resources, Energy Efficiency, Water Resource Efficiency, and Indoor Environmental Quality. There is also a chapter on Building Operation, Maintenance, and Owner Education. The code was developed with input from AIA, ASTM, ASHRAE, Illuminating Engineering Society, and USGBC. In an approach that many may recognize from the energy code, compliance with ASHRAE Standard 189.1-2009, (*ANSI/ASHRAE/USGBC/IES Standard 189.1-2009 for the Design of High-Performance Green Buildings, Except Low-Rise Residential Building*) is referenced as an alternate means of compliance.

The IGCC is out for public comment and review through May 14, 2010. A 33 page synopsis of the document can be found at <http://media.iccsafe.org/IGCC/docs/IGCC-Synopsis.pdf>.

Just because ICC publishes it does not automatically make it a building requirement. To become part of the building code in South Carolina it must be reviewed by the South Carolina Building Codes Council and adopted by legislative action. The SC Code Council recently announced the official adoption of the usual selection of the 2009 versions of the ICC Building Codes with an enforcement date of January 1, 2011. The announcement regarding which codes were adopted can be found from a link posted at <http://www.ltr.state.sc.us/POL/bcc/>.



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

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

Tentative Event Dates for 2009-2010

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|-------------------------|---|-------------------------------------|
| Thursday 09/10/2009 | September Chapter Meeting: Wastewater Treatment | Presenter: Victor Walker |
| Thursday 10/08/2009 | October Chapter Meeting: SC Energy Office – ARRA (Stimulus Funding) | Presenter: Trish Jerman |
| Thursday 11/12/2009 | November Chapter Meeting: Electrical Design Issues for the Mechanical Engineer | Presenter: Bob Bruns, PE |
| Thursday 12/10/2009 | December Chapter Meeting: Chilled Beams @ Furman University | Presenter: Tom Rice |
| Thursday 01/14/2010 | January Chapter Meeting: Ductwork Design: To do or not to do | Presenter: Manuel A. del Valle, PE* |
| Thursday 02/11/2010 | February Chapter Meeting: Building Information Modeling | Presenter: Dennis Knight * |
| Wednesday 03/11/2010 | March Chapter Meeting: Ethical Decision Making | Presenter: Barry Benator * |
| Thursday 04/08/2010 | April Chapter Meeting: Hydronic Systems | Presenter: Chris Edmunds * |
| Thursday 04/15/10 | ASHRAE Golf Tournament | |
| Wednesday 04/21/2010 | ASHRAE Webcast: Commissioning for High Performance Buildings | |
| Thursday 05/13/2010 | May Chapter Meeting: Controlling Air Leakage in Tall Buildings | Presenter: Rodney Hinton |
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ASHRAE
Technology for a Better Environment

Region IV
Greenville Chapter