



Giga-Joule

Greenville Chapter

September, 2009

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

Meeting Announcement

The September meeting will be held on Thursday, September 10th at the Roper Mountain Science Center. 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

My name is Davin Sandhu and I am the new President of the Greenville ASHRAE Chapter for 2009-2010. I would like to introduce myself to those of you who do not yet know me. I am employed by Johnson Controls here in Greenville as a Sales Engineer. I have been with the company for a little over four years and I look forward to meeting you and serving as your President.

We have an exciting list of speakers that are going to be presenting this year at our chapter meetings. If you have any comments or suggestions, please let anyone of the board members know because we are always looking for new ideas and suggestions.

We will continue having our meetings at the Roper Mountain Science Center again this year. The first meeting will be on Sept. 10, 2009 at 11:30-1:00. Please come and bring one of your cohorts. Our meetings will be eligible for professional development hours (PDH) and we pass out certificates for both South Carolina and North Carolina Licenses. The cost of lunch is \$10 for a chapter member and \$15 for everyone else.

I am looking forwards to a prosperous year and hope that you can come join us.



Davin Sandhu
President
president@ashrae4greenville.com

This year's officers:

President:	Davin Sandhu
Vice-President:	Will Thomason
President-Elect:	Manuel del Valle
Treasurer:	Rodney Hinton
Secretary:	Grant Wiegmann
Governor/ Historian:	Paul Jensen
Governor:	Bill Knight
Governor:	Carroll Suttles

This year's Committee Chairmen:

Programs:	Manuel del Valle
Membership:	Dorothy Bertolini
Research:	Ryan Deter
Chapter Technology:	Devon Cortright
Student Activities:	Hamp Crow

Call or email me with any comments or suggestions. I am always open to new ways to improve the ASHRAE experience for our members

Chapter Programs

Welcome back for another year of ASHRAE sponsored programs. As your new programs chair my goal is to prepare a schedule of programs that are both entertaining as well as educational. So far we have selected five of the nine presentations this year and have plenty of ideas to fill the rest of the sessions. However, please send me your suggestions and I will gladly try to introduce them into our schedule. Don't wait too long, I am planning on filling the rest of this year's schedule by the end of September.

So far this year we plan on covering some of the following topics: water treatment, stimulus funding, legal aspects of our business, electrical design for mechanical engineers, chilled beams and BIM software. We are also considering touring the Furman University Science Building and/or Hubble Lighting headquarters.

Our first meeting will cover wastewater treatment systems. Victor Walker will be teaching us about the process of treating grey/black water back to produce pure water. Please refer to his bio below.

Cheers,
Manuel del Valle, P.E., LEED AP
Programs Chair – ASHRAE Greenville SC
programst@ashrae4greenville.com



Manuel del Valle
Programs Chair
programst@ashrae4greenville.com

Student Activities

We are looking forward to another exciting year of excellence in student activities at the Greenville Chapter. We plan to promote engineering and science to students throughout the region in many ways, such as participation in Engineer's week and providing a special award to high school students at the regional science fair. And, as always, there are many regional and Society level scholarships available for four-year college students, two-year college students, and graduate students. In addition, ASHRAE awards grants for undergraduate senior projects. ASHRAE is currently accepting applications for the 2009-2010 school year. Find out more at <http://www.ashrae.org/students/page/704>

Hamp Crow
Student Activities Chair – ASHRAE Greenville SC
sa@ashrae4greenville.com

September Meeting

Program: Wastewater Treatment

Presenter: Victor Walker



Victor Walker moved from Ireland in 1994 and started working in the US as an electronics technician. He worked his way through retail and then into the marine market ending up with a senior sales role. In 2001 he moved to Criteria, a marine service company based in Fort Lauderdale immediately working on a contract for the largest US yacht ever built. Over the next three years he was heavily involved in the refit as well as the new build markets with total order values of over \$4.7m. He continued in the marine industry with Intellect and ANT as a Project and Business Development Manager working on projects throughout the US and Europe. During this time he became keenly interested in the water/sewage treatment process widely used throughout the marine industry and how this eco-friendly system could be used to automate the water treatment and recycling process, eliminating the need to handle black water.

He has joined with Penumbra in promoting the land based Piranha water treatment system to key decision makers. He truly believes Penumbra's unique approach and philosophy can make a big impact in the environment

Location: Roper Mountain Science Center (www.ropermountain.org)

Date: Thursday, September 10, 2009

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 a.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 programs@ashrae4greenville.com
no later than Noon Tuesday, September 8, 2009***

Membership Corner

Well it's ASHRAE time again – Welcome back all returning Greenville Chapter Members. As always, we look forward to meeting any new potential members interested in getting involved with ASHRAE. Invite your colleagues, friends, and business associates who share your passion for the HVAC industry.



This year we have (2) Membership Promotion Meetings Scheduled – those dates are October 8th, 2009 and March 11th, 2010. Please mark these dates on your calendars and begin promoting ASHRAE Greenville Chapter in order to receive the benefits available to existing ASHRAE Members who bring a guest in to join ASHRAE...(More to come on what those benefits are for our Members)

We will be offering a Discount Card for all Members in good standing – this card entitles the holder who attends 4 meetings to enjoy lunch free when attending the 5th meeting. Cards will be available at the sign in table before each meeting.

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.

Why become a member?

ASHRAE membership provides direct access into the Society's HVAC&R technical library of knowledge that is continually updated and expanded. Rooted in the Handbook, this knowledge base extends into cutting edge research papers and technical discussions published in the ASHRAE Journal and other Society periodicals. How do you keep up to date with changes in the industry? Where did you read about the details of a new integrated refrigeration control system strategy? Where did you see an advertisement for a new type of air quality sensor that's exactly what you need for a job you're bidding next week? You probably read it in an ASHRAE publication...just part of your ASHRAE Membership experience.

Thinking about upgrading your Membership from Associate to Member, etc. – go to www.ASHRAE.org to complete your BIO to be eligible.

Want to join ASHRAE – go to www.ASHRAE.org to complete and online application (Be Green, and save time – do it online)

I am available to answer any questions regarding ASHRAE Membership – NEW or EXISTING at 864-444-0219 or email me at membership@ashrae4greenville.com

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

Chapter Technology Transfer

Stimulus Funding Information

In May's newsletter I mentioned some recovery funding information available from ASHRAE. The government affairs advocacy group has put together some literature at <http://www.ashrae.org/advocacy/page/2276>

Per the SC Energy Office (SCEO) newsletter the stimulus legislation provides 150 million dollars in funding for energy projects in South Carolina. The SC Energy Office website at <http://www.energy.sc.gov> provides links and information for stimulus funding for schools, energy improvement projects, and federal competitive funding grants. The SCEO will administer approximately \$40 million dollars in grants and low interest loans in energy related projects for schools. \$31 million dollars is available to assist state and local governments improve energy efficiency. We tentatively have a speaker from the SC Energy Office scheduled for October.

The Greenville Board of Governors is working on setting speakers for the coming year. Now is a great time to contact the BOG and give us ideas on subjects of interest to you. If you lack a new idea, how about letting us know about one from the past that you would like to have return. So contact our new programs chair, Manuel del Valle, or me and give us suggestions.

International Existing Building Code

Recently, a code official informed me that reconstruction of a damaged structure has to comply with the International Existing Building Code (IEBC). This was a bit of a dent in my ego since I tend to think that I am pretty well versed on the codes and this one was a mystery. The results of my rapid self taught education are that the International Existing Building Code was not adopted state wide, but individual municipalities were allowed to adopt it. Greenville and Anderson Counties adopted it whereas the city of Greenville has not; and the websites for the City of Spartanburg, County of Spartanburg, and City of Anderson are unclear.

The International Existing Building Code deals with the level of compliance with new codes that a building under repair or renovation has to achieve. Building renovation is placed into one of three categories with each one increasing the level of renovation and compliance with current codes. Chapter 13 presents an alternate means of compliance that I will not attempt to explain in this column.

During my investigation into where the IEBC had been adopted I noticed that the International Property Maintenance Code had been adopted by some of these same municipalities. Another new mystery code.



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

Research Promotion

Go ahead and mark your calendars! The ASHRAE Fall Golf Tournament will be held on Thursday, October 22nd, 2009. More details about this to come later on, but we do have the date and place.

Verdae Greens Golf Club
Thursday, October 22nd
Shotgun start at 12:30 PM
Lunch will be provided

Please contact me with any questions

Ryan Deter
Research Promotion Chair – ASHRAE Greenville SC
rp@ashrae4greenville.com

Tentative Event Dates for 2009-2010

<u>DATE</u>	<u>EVENT</u>	<u>DETAILS</u>
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 German
Thursday 10/22/2009	ASHRAE Golf Tournament	
Thursday 11/12/2009	November Chapter Meeting: Electrical Design Issues for the Mechanical Engineer	Presenter: Rob Bruns
Thursday 12/10/2009	December Chapter Meeting: Chilled Beams @ Furman University	Presenter: Jeff Rederson Director of Facilities, Furman U.
Thursday 01/14/2010	January Chapter Meeting: TBD	
Thursday 02/11/2010	February Chapter Meeting: Legal Aspect of Industry	Presenter: Dennis Knight
Wednesday 03/11/2010	March Chapter Meeting: TBD	
Thursday 04/08/2010	April Chapter Meeting: TBD	
Tuesday 05/13/2010	May Chapter Meeting: TBD	
Thursday 05/14/2010		



ASHRAE
Technology for a Better Environment

Region IV
Greenville Chapter