



Giga-Joule

Greenville Chapter

April, 2010

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

ASHRAE GOLF TOURNAMENT APRIL 15, 2010 @ 12:00



Warm weather is on the horizon and it is time to knock the rust off of the clubs. We will be having our ASHRAE Golf Tournament on Thursday, April 15, 2010 at the Verdae Greens Golf Club promoting Research Promotion for ASHRAE. There will be range balls, carts and golf included in the registration fee. It will be a 12:00 shotgun start followed by a “Low Country Boil” at the pavilion adjacent to the clubhouse. Please sign up early and get your teams together.

Sponsorship Sheet



Individual Golfer - \$65.00 _____
Team of 4 Golfers - \$260.00 _____
Hole Sponsorship - \$200.00 _____
Tee Sponsorship - \$200.00 _____
Long Drive Sponsor - \$200.00 _____
(2) Closet to the Pin - \$200.00 each _____
Lunch Sponsor - \$500.00 _____
Mulligans, 1 per golfer - \$10.00 _____

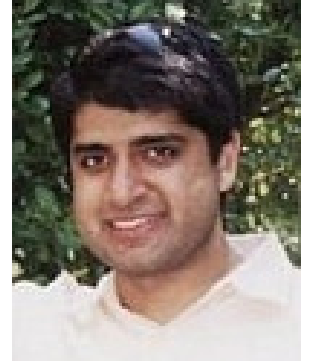
If you wish to make a donation to ASHRAE Research, please see someone on the Board for more information. If you would like to donate any door prizes, please contact someone on the Board or Will Thomason at 421-2949 or email willt@jmpco.com. I look forward to everyone coming out and supporting ASHRAE. See the website listed here for ASHRAE Research projects, goals and objectives that we will help fund thru our donations, www.ashrae.org/research

Meeting Announcement

The April meeting will be held on Thursday, April 8th. 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

We have a really busy month for April. Our Chapter Meeting will be on April 8, 2010. We will be having elections for the ASHRAE Greenville's Chapter Officers for next term. Please see below for the current nominations. If you would like to nominate yourself or know someone who would do well to serve as one of these officers please let me know and I can include them in the nominees list.



Davin Sandhu
President
president@ashrae4greenville.com

Officers Nominees:

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:	Hamp Crow
Secretary:	(Open)	Historian:	(Open)
Governor:	Paul Jensen	CTTC:	Devon Cortright
Governor:	Bill Knight		
Governor:	Carroll Suttles		

On April 15, 2010 we will be having our Spring Golf Tournament. This is just the week after watching Tiger tee off in the Masters. We plan to have a good crowd so please come out and join us for this event. See the flyer for more information.

On April 21, 2010 there will be the ASHRAE Webcast. Everyone can get three (3) PDH hours from their own office or home locations. See below for the flyer. Registration began on March 2, 2010 and you can register up through the 21st. The Webcast runs from 1:00 – 4:00 pm EDT. You can register at: www.ashrae.org/CxWebcast

If you have any questions call at 678-539-1200 or e-mail at ashrae-webcast@ashrae.org

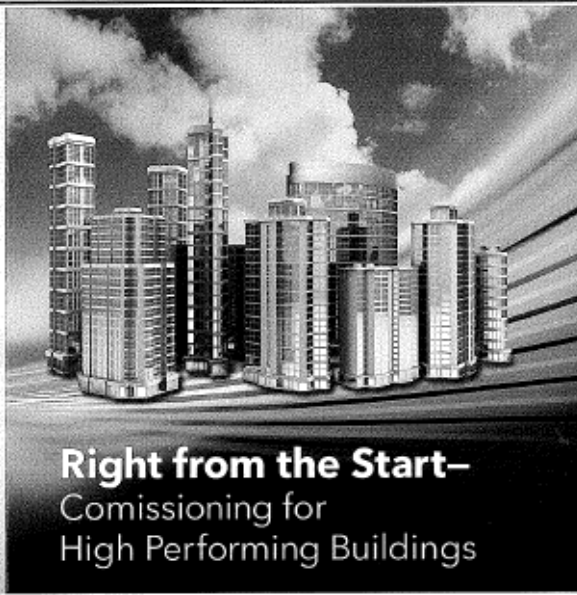
Please look forward to our final chapter meeting of the season in May. This will be an evening chapter program to be held at the Greenville Drive Baseball Field. It will be held on May 13, 2010. The Chapter meeting will run from 5:00 – 6:00 pm. There will be dinner from 6:00 – 7:00 and the game will be at 7:00 pm. Please invite your friends and family. The cost will be \$20 a head for everyone.



A free webcast from ASHRAE

NEED MORE INFORMATION?

Contact us at:
Ph. 678-539-1200
Email: ashrae-webcast@ashrae.org
Visit our website at www.ashrae.org/CxWebcast



April 21, 2010
1:00-4:00 PM EDT



American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Who are the speakers?



Ronald Wilkinson, PE, LEED™ AP,
Senior Commissioning Project Manager,
AKF Group LLC, New York, NY

Myth Busters



Michael L. Weiss, Ph.D., ABC, HCCP,
Managing Principal and President,
WorkingBuildings, LLC, Atlanta, GA

Integrating Commissioning into Integrated Design



Rick Casault, PE, CCP, CDT, President,
Casault Engineering, Seattle, WA

A Solid Foundation for Commissioning—Two Proactive Steps to Greater Benefits



H. Jay Enck, CxA, HBDP, LEED™ AP,
CPMP, Founder/Principal/Senior Commissioning
Agent, Commissioning & Green Building
Solutions, Inc., Buford, GA

Transition from Construction to Operation—Maximizing Performance for Life

What will I learn?

This webcast will provide tools to help you overcome the hurdles of Commissioning, learn the "What, Why, When and Who" of the process, and how you can make it "business as usual." The panel of experts will outline how Commissioning supports a smoother construction process, maximizes the quality and persistence of energy and cost reductions, and provides a facility that operates as it was intended.

The program will:

- Dispel common myths about Commissioning
- Show you how to make the Commissioning process work for you
- Clarify how to avoid or reverse performance decay
- Demonstrate through Case Studies how Commissioning improves ROI

How do I register?

Online registration will begin March 2, 2010 at www.ashrae.org/CxWebcast. There is no fee for registration. If you have any questions, e-mail us at ashrae-webcast@ashrae.org or call 678-539-1200.

Can I earn PDHs?

Yes! Three (3) Professional Development Hours (PDHs) or (3) A.A. Learning Units may be awarded to viewers who complete the "Participant Reaction Form" following the webcast.

More about the webcast

This free webcast from the studio of Crawford Communications, Inc. in Atlanta, Georgia is intended to reach a cross section of professionals, including commissioning agents, design engineers, architects, contractors, building owners, developers, and facility managers. DVDs will be produced and made available for sale and use after the webcast. Please visit www.ashrae.org/bookstore or call 1-800-527-4723 (US/Canada) for more information.

How can I participate?

- Host a webcast site for your colleagues
- View the webcast at a site
- Register to view the webcast on your PC

How can I become an ASHRAE member?

We encourage you to join ASHRAE, a leader in sustainability and the source for the latest technology in HVAC&R. To find out more about ASHRAE membership, visit www.ashrae.org/membership.

This free webcast is sponsored by the ASHRAE Chapter Technology Transfer Committee with support from ASHRAE's High Performing Buildings Magazine.



Chapter Programs

Last month due to some scheduling issues we had to re-shift our plans and present the part of last year's ASHRAE webcast titled, "Clean, Lean and Green: IAQ for Sustainable Buildings". No changes in the schedule for this coming month. Chris Edmondson will be joining us for a (1) hour lunch meeting followed by an additional (3) hour presentation. As always it will be both an entertaining and educational lesson. Please take note, however, we will be at the Embassy Suites on Verdae for this meeting. I hope to see you all there, and as always, let me know if you have any suggestions for future programs.

Mr. Edmondson will be covering "The Fundamentals of Hydronics." He will also be presenting a (3) hour seminar after the primary meeting expanding on the topics and importance of the system syzer, pipe sizing, balancing, pump impeller trimming and the importance of it, air management and system pressurization, and primary/secondary systems and application. Please RSVP soon so that we can make sure there will be enough room and food for everyone. See further meeting details on the next page.



Manuel del Valle
Programs Chair
programs@ashrae4greenville.com

History

We will honor all of our ASHRAE Fellows, Life members and Past Presidents at this month's meeting by buying your lunches.

The following chapter members will be presented certificates at the meeting:

Robert C. Richards	(Life Member)
Kenneth T Holbert	(50 Year Member)
Ron Miller	(Life Member)
Franz Sparovic	(Life Member)



The chapter salutes these members for the life time support of ASHRAE!

Please RSVP via e-mail or call me at 864-672-6130 so we have enough lunches for everyone. We look forward to see you at the meeting.

Best Regards,
Paul Jensen
Historian – ASHRAE Greenville SC
history@ashrae4greenville.com

April Meeting

Program: **Fundamentals of Hydronics**

Presenter: **Chris Edmundson, James M. Pleasants Co.**

Chris Edmondson received his B.S. Degree in Mechanical Engineering from North Carolina State University in 1967. During his summers, he worked at Barber Coleman and Jay Johnson Controls. After graduation, he spent four and a half years as a salesman with the Trane Company.

In 1971, he came to work for the James M. Pleasants Co., Inc. (Manufacturer's Representative for the ITT Fluid Handling Division) He worked as an Outside Salesman until 1978, when he was promoted to Vice President and Sales Manager till 1987. Since 1987 to the present time, he has served as President of the Pleasants Company.

Chris has served many years in the ASHRAE organization, holding positions such as Secretary/Treasurer, Vice President and President of the Piedmont Chapter. For the fiscal year, 1985-86, Chris received the Rudy Ferguson Memorial Award (Presidential Award of Excellence). In 1985, he became a Technical Speaker to various ASHRAE chapters which continued through 1989. He spoke at ASHRAE's CRC Region VII meeting in 1992 and also at Birmingham's Region VII Meeting as a Technical Speaker. He held the position of Educational Activities Vice Chairman for Region IV from 1992 to 1994. In 1995 he was the Chapter Program Chairman for Region IV. He has served as Region IV DRC and on the ASHRAE Board of Directors. He is a Distinguished Lecturer for ASHRAE and is serving on the nominating committee.

During 1980 through 2002, he has presented seminars to various engineers on the following subjects:

- Basic Primary/Secondary Variable Volume Pumping
- Chiller Plant Piping
- Air Control Systems
- Plumbing Piping Systems
- Cooling Tower Piping
- Basic Steam Piping
- Condensate Return Systems
- Hot Water Recirculation

His principal areas of interest are energy savings, primary/secondary variable volume systems, heat transfer, hydronic systems, plumbing piping systems and central chilled water plant design.

Location: **Embassy Suites on Verdae**

Date: Thursday, April 8, 2010

Time: 11:30 a.m. Lunch Served
11:30 a.m. to 11:45 p.m. Chapter Business
11:45 a.m. to 12:45 p.m. Main Program
1:00 p.m. to 4:00 p.m. Extended Program

Cost: **Lunch Program: \$10/chapter member \$15/non-chapter member (catered lunch)**

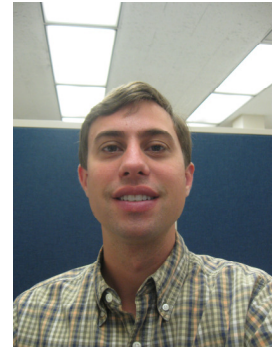
Education Credit: This program qualifies for up to 4.0 PDH (including NC PE)

***Please RSVP to programs@ashrae4greenville.com
no later than Noon MONDAY, April 5, 2010***

Student Activities

Our chapter sponsored the Greenville County Science fair again this year. In addition to the sponsorship, our chapter provided a special award to a one senior project and one junior project. Congratulations to Christopher Deese for his senior project "Homemade Solar Power"; and to Weston McDonald for his junior project "Insulation Efficiency".

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

We will be rescheduling our final Membership Promotion Meeting (originally scheduled for March) to May 2010. Our May meeting will also be a dinner meeting and a trip to the old ball game. That's right we will be gathering at the Greenville Drive Stadium for a New Member, Friends and Family Evening...Bring your completed ASHRAE Membership form and payment with you to the game or anytime before and you will be our GUEST (Greenville Chapter of ASHRAE) for the evening. Any existing member who brings a potential new member, again with completed Membership form and payment will also be entitled to a FREE evening at the ball park.

(NOTE: Forms will be available the day of the meeting or can be obtained 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. To find out more please join us for our April meeting to learn how you can get a FREE Dinner and Baseball Game ticker at the May 2010 meeting held @ The Greenville Drive Stadium. (More details to follow next month)

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

Greenville Chapter offers the following discounts to paid Chapter Members:

Discount Card

If you are a Society Member in good standing (society dues paid up) and have your Chapter Dues paid up, we will issue you a card at your first meeting of the year. Each time you pay for a meeting this card will be punched/notarized. When you have four (4) meetings paid for, the fifth is free.

As a Reminder: ASHRAE Greenville Chapter Members - \$10.00 per meeting (includes lunch) (Society & Chapter Dues Paid Up)

Non-Chapter Members - \$15.00 per meeting (includes lunch)

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

Chapter Technology Transfer

February's column "So Long R-22" generated more comments than my previous big hitter. I moved from 2 comments to 3. As it turns out R-123 will be phased out of new equipment in 2020, not 2015 as I reported. My apologies. There is also some rumbling about long term phase out of R-134a under some of the legislation bouncing around in Washington. Its elimination in automobile air conditioners in Europe is rapidly approaching. There is also an article in February issue of HPAC on the accelerated phase out of newly manufactured R-22 for existing systems.

This month a couple of bits and pieces.....

Metal Buildings

ASHRAE recently announced some proposed changes in Standard 90.1-2010 specifically addressing metal buildings. A summary of the proposed changes can be reviewed at <http://www.ashrae.org/pressroom/detail/17408>. Metal buildings are already treated as a special case in the 2006 International Energy Conservation Code with a separate category for insulation requirements.

From an announcement transmitted from national:

Proposed Standard 189.1, Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings

"Given that this standard will set the foundation for green building codes, it is vital that the building industry is familiar with its requirements," Kent Peterson, chair of the Standard 189.1 committee, said. "ASHRAE, USGBC and IES recognize the potential of this standard to change the marketplace and are working to educate the industry. Given its impact, we also are working to make the standard available as quickly as possible."

www.ashrae.org/greenstandard serves as a one-stop resource for information on Proposed Standard 189.1, Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings. The page contains an easily readable version of the standard, along with more information on the areas addressed by the standard and other resources for high-performance building.

Proposed Standard 189.1 is being developed by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) in conjunction with the Illuminating Engineering Society of North America (IES) and the U.S. Green Building Council (USGBC). The standard, slated to be the first code-intended commercial green building standard in the United States, is expected to be published in early 2010.

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



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

Tentative Event Dates for 2009-2010

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 Edmundson *
Thursday 04/15/10	ASHRAE Golf Tournament	
Wednesday 04/21/2010	ASHRAE Webcast: Commissioning for High Performance Buildings	
Thursday 05/14/2010	May Chapter Meeting: Building Leakage and Testing	Presenter: Rodney Hinton



ASHRAE
Technology for a Better Environment

Region IV
Greenville Chapter