



Giga-Joule

December 2014

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

Meeting Announcement

The December meeting will be held on **Tuesday, December 09, 2014** at M.T. Anderson Support Center. For more information, please contact our Secretary, Melissa Angulo, at secretary@ashrae4greenville.com.

A Message from the President

I hope all had a wonderful Thanksgiving and I wish you all a joyful holiday season.

Thank you to Faulkner Haynes for sponsoring last month's meeting presented by David Dougan from Ebtron on "Outside Airflow Measurement, Fixed Set Point and DCV" and Hoffman & Hoffman for sponsoring Bill Stout Jr.'s presentation on "Duct Air Leak Testing (DALT) – What you need to know."

With the permission of our speakers, we will continue to post past presentations on our website, www.ashrae4greenville.com.



Thank you for all of those who could join us in our first YEA sponsored event, the Quest Brewery tour and thank you to James M. Pleasants Company for sponsoring this event. It was an enjoyable evening with great company and we hope to do another social event in the future.

ASHRAE Greenville will be participating in tree planting along the Swamp Rabbit Trail on December 5th. Thank you to Johnson Controls for providing the trees and the luncheon for our volunteers.

National Engineers' Week is February 22nd to 28th. We are looking for potential opportunities and volunteers to participate in this event. Please let me or Daniel Lowe know if you are interested in participating.

Please don't forget to RSVP to our Chapter meetings as this helps us keep Chapter costs down and ensures that all attendees have a meal. We were short meals at our last event, and trust me; you don't want to see an angry president☺.

I look forward to seeing you at our Chapter Meetings and events and as always, please let us know if you have any suggestions or ideas for helping our chapter serve our members.

Myrna Dayan, PE, CEM, LEED AP
President, Greenville Chapter, ASHRAE Region IV
myrna@mail.ashrae.org

Membership Promotion:

THANKS to everyone who brought a guest to the November meeting. Our next Membership Promotion will be at the April meeting in Asheville, where every member who brings a guest will have the chance to take home a \$25 American Express gift card.



In efforts to keep you updated, visit us at:

WEBSITE: www.ashrae4greenville.com

LINKEDIN: https://www.linkedin.com/groups?home=&gid=8154388&trk=anet_ug_hm

EVENTCALENDAR: View ASHRAE Greenville Chapter Meetings calendar

We appreciate our sponsors support:



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November Meeting

Presenter: Doug T. Reindl, Ph.D., PE.

Douglas Reindl is a professor in the Departments of Engineering Professional Development and Mechanical Engineering at the University of Wisconsin-Madison. In addition, he is the founding director of the Industrial Refrigeration Consortium (IRC) at the UW. He received his B.S. in Mechanical Engineering Technology from the Milwaukee School of Engineering and his M.S. and Ph.D. degrees from the University of Wisconsin-Madison. He is a registered professional engineer in the State of Wisconsin and presently serves on the Board of Directors of the International Institute of Ammonia Refrigeration.

As faculty member at the University of Wisconsin since 1996, Professor Reindl has taught at all levels: undergraduate, graduate, and continuing professional development. Professor Reindl has developed an internationally-recognized series of professional development courses focused on industrial refrigeration systems with an emphasis on the safe use of ammonia as a refrigerant. Through the IRC, Professor Reindl works with some of the world's leading food companies to improve the safety, efficiency, reliability and productivity of industrial refrigeration systems and technologies.

In addition to being an ASHRAE Fellow, Professor Reindl is also a member of the American Society of Mechanical Engineers, International Institute of Refrigeration, and the International Institute of Ammonia Refrigeration. He is a past recipient of ASHRAE's Distinguished Service Award and the first recipient of ASHRAE's George C. Briley Award for the best refrigeration article in the ASHRAE Journal. He is a past chair and member of ASHRAE's Standard 15 committee – Safety Standard for Refrigeration Systems.

Professor Reindl has published 6 books and nearly 100 technical papers on topics including: industrial refrigeration, building mechanical systems, energy systems, indoor air quality, and solar energy.

1st Seminar

LECTURE TOPIC:

Ammonia Refrigeration Systems

Industrial refrigeration systems have used anhydrous ammonia for more than a sesquicentennial. Although ammonia has a long history of use in the industrial sector, the interest in ammonia as a potential refrigerant for non-industrial applications has grown recently. This presentation will provide an overview of the ammonia refrigeration systems that have been the mainstay in the industrial sector and emphasize unique characteristics that differentiate ammonia systems from traditional halocarbon refrigeration systems.

2nd Seminar

LECTURE TOPIC:

ASHRAE Standard 15 – A review and update (Safety Standard for Refrigeration Systems)

Standard 15 (Safety Standard for Refrigeration Systems) is one of ASHRAE's oldest standards dating back to 1919. The purpose of Standard 15 is to specify safe design, construction, installation, and operation of refrigeration systems. All engineers that work with building mechanical systems should have a basic understanding of this Standard and for those engineers that work closely with refrigeration or chilling systems must have a deeper understanding of this standard and its requirements. This presentation will provide a review of Standard 15 and highlight recent changes to the standard. Common misapplications of the standard will be presented and discussed.

Programs: **Ammonia Refrigeration Systems- 1 PDH**
ASHRAE Standard 15 – A review and update – 1 PDH

Location: M.T. Anderson Support Center
100 Blassingame Road
Greenville, SC 29605

Date: Tuesday, November 11, 2014

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. Program
1:00 p.m. to 1:30 p.m. Q&A / Break
1:30 p.m. to 2:30 p.m. 2nd seminar

Cost: Lunch Program: \$13 in advance \$15 at door for chapter member (catered lunch)
\$20 for non-chapter member (catered lunch)

Education Credit: The Technical Programs qualify for 1.0 PDH (including NC PE) for each program attended.

Please RSVP to myrna@mail.ashrae.org
No later than Noon Thursday, December 04, 2014

ASHRAE Greenville Chapter Board 2014-2015 Committee

Chapter President	Myrna Dayan
Chapter President Elect	Tigue Garick,
Chapter Vice President	Daniel Lowe
Chapter Secretary	Melissa Angulo
Chapter Treasurer	Jeff B Beard
Chapter Board of Governors	Devon Cortright
Chapter Board of Governors	Karl Counts
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Chapter Historian	Bill Knight
Chapter Honors and Awards	Devon D Cortright
Chapter Webmaster	Karl F Counts
YEA CHAIR	Jeremy Butdorf
Programs	Ryan Tonnsen

Event Dates for 2014-2015

Tuesday 09/09/2014	Nataforium Design	Presenter: Ralph Kittler, Distinguished Lecturer
Tuesday 10/14/2014	Chilled Beam Technologies and Applications	Presenter: Nick Searle, Dadanco, Inc.
Wednesday 10/15/2014	<i>ASHEVILLE LOCATION:</i> Chilled Beam Technologies and Applications	Presenter: Nick Searle, Dadanco, Inc.
Tuesday 11/11/2014	<i>MEMBERSHIP PROMOTION</i> Outside Airflow Measurement, Fixed Set point and DCV	Presenter: David Dougan, Ebtron
Tuesday 11/11/2014 1:30-2:30	Duct Air Leak Testing (DALT) What You Need to Know	Presenter: Bill Stout, Jr. Eastern Sheetmetal
Friday 11/14/2014 5:30pm	<i>YEA PROMOTION – ALL WELCOME!</i> Quest Brewery Tour – 555 Airview Drive, Greenville, SC 29607	
Tuesday 12/09/2014	Ammonia Refrigeration Systems	Presenter: Doug Reindl, Distinguished Lecturer
Tuesday 12/09/2014 1:30-2:30	ASHRAE Standard 15 – A review and update (Safety Standard for Refrigeration Systems)	Presenter: Doug Reindl, Distinguished Lecturer
Tuesday 01/13/2015	<i>CTTC PROMOTION</i> ASHRAE Standard 62.1-2010, IAQ Procedure	Presenter: Charlie Waddell, Global Plasma Systems
Tuesday 02/10/2015	<i>RESEARCH PROMOTION</i> Humidification Strategies	Presenter: Mike Dovich, Dri-Steem
Tuesday 03/10/2015	<i>YEA PROMOTION</i> IFRH: Calculating Loads, Applications, Technology	Presenter: Scott Fleet, Detroit Radiant
Tuesday 04/14/2015	Integrated Sensing and Control Systems	Presenter: (TBD) Aircuity
Wednesday 04/15/2015	<i>ASHEVILLE LOCATION:</i> <i>MEMBERSHIP PROMOTION</i> Integrated Sensing and Control Systems	Presenter: (TBD) Aircuity
SPRING	<i>RESEARCH PROMOTION</i> Golf Outing	Location: TBD
Tuesday 05/12/2015	Wireless and Web Accessible Controls	Presenter: (TBD) Trane



Unless otherwise stated meetings are:
2nd Tuesday of the Month
 11:30am – 1pm
MT Anderson Support Center
 100 Blessingame Road, Greenville, SC 29605
 Each program provides at least 1 PDH