



# Giga-Joule

January 2017

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

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## *Meeting Announcement*

### *Vibration Isolation & Seismic Restraint*

The **Greenville meeting** will be held on **Tuesday, January 10, 2017 at 10:50 AM**

RSVP here: <https://goo.gl/forms/hhFvuW9H23ooZoa13> by Monday, January 9

Location: M.T. Anderson Support Center  
100 Blessingame Rd  
Greenville, SC 29605

Program Cost includes catered lunch!

- \$13 via website: <http://www.ashrae4greenville.com/next-greenville-meeting>
- \$15 at door for chapter members, \$20 for non-chapter members

Education Credit: This Seminar qualifies for 1.0 PDH each (including NC PE).

If you have any questions, contact: Jeremy Butdorf at 864.232.0200 or [jeremyb@jmpco.com](mailto:jeremyb@jmpco.com)

Meeting Sponsor: **Sponsorships available!** Contact our Research Promotion officer Jeff MacNeil [JMacNeil@hahn-mason.com](mailto:JMacNeil@hahn-mason.com) for more information

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## *Upcoming Events*

- **ASHRAE of Greenville's 2<sup>nd</sup> Annual Oyster Roast at Bimini's on February 13, 2017**



Oyster Bar & Seafood Cafe

To find more information and register for this event, see link below:

<http://www.ashrae4greenville.com/second-annual-oyster-roast>

- **Our Golf Tournament will be held the week of April 17, 2017**

## *A Message from the President*



**Rodney Hinton** – President  
ASHRAE – Greenville Chapter  
RHinton@PalmettoAirBalance.com.com  
864-303-5722

Please note that our meeting next week is the day after the national championship game and many people may be traveling and unable to attend. Therefore, if you are still in the upstate please plan to attend our meeting on vibration control and seismic restraint. I have just returned from speaking at the Arkansas ASHRAE meeting in Little Rock where I was able to tell them about Building Leakage Testing and share thoughts and ideas. This trip reassured me that ASHRAE offers a great way to share and gain knowledge by “being in the room.” We need you to share and gain knowledge. A quote from Dr. M.L. King, Jr. says “If you can’t fly, then run; if you can’t run, then walk; if you can’t walk, then crawl; but whatever you do you have to keep moving forward. We all have different talents to add to our industry and together we will move forward and be a better community because of it. Happy New Year!

## *January Meeting*



**Jonathan Reinhardt**  
Mason Industries, Inc.

Jonathan Reinhardt graduated from the University of Rochester with a Bachelor’s of Science in Mechanical Engineering in the spring of 1992 and was hired at Mason Industries, Inc. in February of 1995. For six years he worked in the engineering department where he gained a vast working knowledge of vibration isolation and seismic restraint of mechanical components and their associated systems. In 2001 he moved over to the sales department, which is where he is currently working.

Topic:

**Vibration Isolation** - Vibration isolation theory and how it pertains to rotating mechanical equipment.

**Seismic Restraint** – Causes of earthquakes, determination of Seismic Design Categories using the current building code, seismic restraint exemptions, overview of stamped seismic calculations and discussion on the proper installation of equipment (photos provided).

## *Research Promotion*



**Jeff MacNeil**  
Research Promotions Chairman  
jeff@hahnmason.com

We are into 2017 and the second half of our ASHRAE year is underway. Fundraising is still ongoing and if you would like to contribute to the campaign please see the link below.

<https://xp20.ashrae.org/secure/researchpromotion/rp.html>

I would like to continue to thank everyone who has donated to this year's campaign:

Thermal Resource Sales	Palmetto Air & Water Balance
Commissioning Consultants	James M. Pleasants
Jamie Porterfield	Tigue Garick
Rodney Hinton	Jeff Beard
Melissa Angulo	Jeff MacNeil
Donald Willoughby	Dorothy Bertolini
Greenville ASHRAE Chapter	

### **GREENVILLE ASHRAE GOLF**

**In other big news, we have confirmed the date and location of this year's Annual Golf Tournament. Please mark your calendars for Friday April 21st. We will be playing at Legacy Pines Golf Course (<http://www.legacypinesgc.com/>).**

## *Chapter Vice President*



**Tigue Garick**  
Vice President  
TigueG@JMPCO.com

The Greenville Chapter of ASHRAE is sponsoring our Clemson University Student Chapter President's attendance at the 2017 AHR/ASHRAE Show in Las Vegas! We are excited about this upcoming ASHRAE leader's first experience with our organization on a national level. He will be attending several student events and shadowing two chapter members who are attending the show as well. We look forward to hearing what he has learned on his trip over the coming months.

## *Membership Promotion*



**Jeremy Butdorf**  
Membership Chairman  
jeremyb@jmpco.com

Bring a prospective member to the January meeting and have a chance to win one of 4 American Express \$25 Gift Cards. You must introduce the prospective member to me, so I can get their contact information.

We will be making a big push for new members this year. With Greenville and Asheville constantly growing, we need to grow our membership as well. Please bring guests either from your office or feel free to bring any engineers or contractors who have an interest in HVAC. ASHRAE is a great organization for learning, networking, and fellowship – Let’s actively work together to grow our chapter!

### *Young Engineers in ASHRAE (YEA) Chairs*



YEA Chairs  
**Brandon Dillard**  
brandonrdillard@gmail.com  
**Carson Carpenter**  
ccarpenter@devitainc.com

We look forward to meeting “Young Engineers in ASHRAE” at our meetings and at the upcoming social events. If we can help you in any way please let us know.

### *Young Engineers in ASHRAE (YEA) Chairs*



**Daniel Lowe**  
Chapter Historian  
LoweD@CxConsultants.com

We are composing a biographical report on the career successes of Mr. Benny Bootle which will be submitted as a candidate for the Lou Flagg Historical Award! This award was established in 2002 "to recognize a Chapter Gold Ribbon Award winner for compiling information on outstanding historical projects or persons related to HVAC&R."

## *Student Activity Chair*



**Ryan Tonnsen**  
Student Activity Chair  
wtonnsen@greenville.k12.sc.us

The student chapter at Clemson University continues to remain active and hold regular meetings!

## *Clemson Student Branch President*



**Bryan Chirillo**  
Clemson Student Branch ASHRAE President  
Senior Mechanical Engineering Student | Clemson University  
bchiril@g.clemson.edu

Our finances remain stable and we continue to provide a great menu during our meetings. Thanks to the “Presenting Sponsors” of our meetings. If you are interested in being a presenting sponsor please let me know as these opportunities are filling up fast.

## *Treasury*



**Jeff Beard**  
Treasurer Greenville ASHRAE  
Jeff.beard@heattransfersales.com

Our finances remain stable and we continue to provide a great menu during our meetings. Thanks to the “Presenting Sponsors” of our meetings. If you are interested in being a presenting sponsor please let me know as these opportunities are filling up fast.

## *ASHRAE Greenville Chapter Board*

Chapter President	Rodney Hinton
Chapter President Elect	Melissa Angulo
Chapter Vice President	Tigue Garick
Chapter Secretary	Dorothy Bertolini
Chapter Treasurer	Jeff B Beard
Chapter Board of Governors	Devon Cortright
Chapter Board of Governors	Karl Counts
Chapter Board of Governors	Bill Knight
Chapter Board of Governors	Brandt H Williams
Chapter Technology Transfer Chair	Bill Knight
Chapter Membership Promotion Chair	Jeremy Butdorf
Chapter Research Promotion Chair	Jeff MacNeil
Chapter Student Activities Chair	Ryan Tonnsen
Chapter Grassroots Government Activities Chair	Tigue Garick
Chapter Historian	Daniel Lowe
Chapter Honors and Awards	Devon D Cortright
Chapter Webmaster	Karl F Counts
YEA CO-CHAIRS	Carson Carpenter Brandon Dillard,



## Event Dates for 2016-2017

Date	Topic	Location	Presenter
Tuesday 09/20/2016	Integrating Indoor Air Quality and Energy Efficiency in Buildings	Lenoir-Rhyne-3 <sup>rd</sup> floor 36 Montford Ave. Asheville, NC	William P. Bahnfleth, PhD, PE, FASHRAE, FASME ASHRAE Distinguished Lecturer
Wednesday 09/21/2016	Integrating Indoor Air Quality and Energy Efficiency in Buildings	Roper Mtn. Science Center Wilkins Conference Center 402 Roper Mountain Road, Greenville, SC	William P. Bahnfleth, PhD, PE, FASHRAE, FASME ASHRAE Distinguished Lecturer
Tuesday 10/11/2016	Fabric Ductwork Fundamentals and Applications	MT Anderson 100 Blassingame Rd Greenville, SC	Bret Pettit Regional Sales Manager Fabric Air
Saturday 10/15/16	YEA Tailgate Party: Starts 4 hours prior to the announced kickoff time for the NCSU vs Clemson Game	Parking Space 5179 Lot #5 West End Zone	Young Engineers in ASHRAE Committee (YEA) of the GSP Chapter
Monday 10/31/2016	Second Annual Fly-fishing Outing	ECO Elizabethan, TN	Chapter Function
Tuesday 11/1/2016	Building Performance Analysis for Building Performance Rating Systems	Lenoir-Rhyne-3 <sup>rd</sup> floor 36 Montford Ave. Asheville, NC	Dennis Knight ASHRAE Distinguished Lecturer
Wednesday 11/2/2016	Productivity and Leadership	MT Anderson 100 Blassingame Rd Greenville, SC	Dennis Knight ASHRAE Distinguished Lecturer
Wednesday 11/2/2016	Building Performance Analysis for Building Performance Rating Systems (1 hour Seminar after the meeting)	MT Anderson 100 Blassingame Rd Greenville, SC	Dennis Knight ASHRAE Distinguished Lecturer
Tuesday 12/13/2016	Condensing Boiler Piping Design	MT Anderson 100 Blassingame Rd Greenville, SC	Patrick Leake JMP
Tuesday 01/10/2017	Vibration and Seismic Topic TBD	MT Anderson 100 Blassingame Rd Greenville, SC	Jonathan Reinhardt Mason Industries
Monday 2/13/2017	Oyster Roast	Bimini's 100 Villa Road Greenville, SC	Chapter Social
Tuesday 02/14/2017	TBD	MT Anderson 100 Blassingame Rd Greenville, SC	Trane-TBD
Tuesday 03/14/2017	What is the current plan for commercial equipment efficiencies	MT Anderson 100 Blassingame Rd Greenville, SC	Gus Faris VP-Engineering Nailor Industries
Tuesday 04/11/2017	Digital Controls Systems Explained	MT Anderson 100 Blassingame Rd Greenville, SC	Bryan Lampley, PE
TBD	Spring Golf Outing	TBD	Chapter Function
Tuesday 05/9/2017	CGAC Topic	MT Anderson 100 Blassingame Rd Greenville, SC	T. Randy Jones