

February Newsletter

2017

ASHRAE Atlanta Chapter



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February 2017

What an exciting start to the year, the Falcons are in the Super Bowl! I'm sure a lot of people are excited about this upcoming weekend, I know I am!

On the other hand, I am also really excited about bringing back our Product Show next month! Who needs a segue, right? Thanks to the efforts of Brian Justice and Glenn Northrup, to name a few of our volunteers, the Product Show will take place at the Cobb Galleria Center this year on March 9, 2017. This is a great opportunity to see all the latest innovative products in our industry and network with your peers. Attendance is free and lunch is included if you register on our website. For more information, check out the link below where you can register as an attendee or vendor:

<https://ashraeatlanta.wildapricot.org/ProductShow>

We are anticipating a great turnout and look forward to seeing everyone there! We have made the extra effort this year to provide a better venue with more options for our vendors and attendees.

A reminder that this month we are having our February Chapter Meeting on Thursday, February 16, 2017, because Valentine's Day is during our normal second Tuesday of the month. We don't want ASHRAE to get between you and your significant other, although some would appreciate the opportunity! This month we have a great topic on refrigerant and what impact the latest regulations will have on our product selection when designing new systems. Thomas Gorman will discuss what to expect from the upcoming regulations and what challenges new refrigerants will face to balance performance and environmental safety. You can register by clicking the link below:

<https://ashraeatlanta.wildapricot.org/event-2447490>

If you are interested in joining our awesome team of volunteers, please don't hesitate to contact me. Volunteering with ASHRAE is an excellent way to give back to our industry and network with your peers. I look forward to seeing you all at our monthly meeting on Thursday, February 16, 2017! Thank you for your continued support of the ASHRAE Atlanta Chapter.



Nick Kassanis

Atlanta Chapter President 2016-2017

president@ashraeatlanta.org

www.ashraeatlanta.org

Chapter Meeting

February Chapter Meeting Notice

Refrigerant

Ever since the Montreal Protocol meetings began regulating CFCs in the 1980s, refrigerant rules and acceptability continue to evolve. Since then, there has been an increased focus and accelerated timing on regulations for all fluids that are being used today in the HVAC industry. This persistent churn generates confusion— what's in, what's out, and what's coming? At the same time, the market has been demanding equipment, design strategies and control methods that result in the highest levels of efficiency— will the new fluids hinder or enhance that efficiency? The next-generation of fluids represents new challenges for providing the highest performing HVAC equipment; besides efficiency they may also challenge the industry's expectations for safety and flammability. This presentation separates fact from fiction, and discusses why, when, and how the industry will face the coming refrigerant transitions.

Speaker: Thomas J. Gorman

Marketing Manager for CenTraVac Chillers

Tom Gorman is the Marketing Manager for CenTraVac Chillers and works closely with Product Management, Planning, Support, Engineering, Manufacturing and other groups focused on chiller products and systems. His main focus is providing a voice to the technologies that Trane has developed and the benefits that they provide to its customers around the world. Tom started with Trane back in 1995 with experience that included the leading of the CenTraVac Product Management and Support groups, Leading the Customer Direct Support (C.D.S.) Department that develops, designs and supports Trane's building design and analysis software to time spent with the Air and Water Cooled Rotary/Scroll chiller products. Tom received his bachelor's degree in Mechanical Engineering from Northern Illinois University.



Chapter Meeting, *cont.*

February Lunch Meeting Details

Date: Thursday February 16, 2016 @ 11:30 AM

Speaker: Tom Gorman

Location: ASHRAE Headquarters, 1791 Tullie Circle NE, Atlanta, GA 30329

Cost: \$10.00 Members / \$20.00 Non Members

Lunch would be provided at the meeting.

You MUST RSVP if you plan to attend the meeting. Please email secretary@ashraeatlanta.org. Also, you can prepay and RSVP at <http://www.ashraeatlanta.org/Events>. This helps the chapter accurately order food from the catering company.

Lunch would be provided at the meeting.

New Duct Sizing Calculator Available

A new duct sizing calculator from ASHRAE and the Air Distribution Institute (ADI) allows HVAC air distribution system designers to more accurately size ducts, especially flex ducts under varying amounts of compression, based on research results.

The Duct Size Calculator is a quick reference tool for approximating duct sizes and equivalent sizes of sheet metal duct vs. flexible duct. The calculator uses information from ASHRAE Research Project 1333, HVAC Duct Efficiency Measures, and was developed with funding support from ASHRAE and ADI. ASHRAE Technical Committee 5.2, Duct Design, sponsored the project.

“While the calculator resembles a wheel type ductulator similar to those used during the days of slide rules, it incorporates three new fields for equivalent duct sizing,” Chris Van Rite, developer of the calculator, said. “These new fields help demonstrate the significant loss of airflow due to improper installation of flexible ducts.”

The calculator includes fields for 4, 15 and 30 percent compression in flexible ducts. Van Rite notes that the calculations used to create these size references are based on straight line compression as performed in the laboratory on a flat surface. Field installed flexible ducts with bends, kinks and excessive lengths will have additional resistance, which will result in diminished airflow.

“The use of this tool allows duct designers to account for less than optimum installation and gives a more accurate design to installed performance correlation,” Van Rite said.

ASHRAE Day on the Hill

The ASHRAE Atlanta Chapter has the opportunity in February to talk to many of our legislators about ASHRAE! Interested? We will be looking for volunteers who are willing to go and be an ambassador to the legislators and deliver information about ASHRAE. Look for more information coming out soon, and check out the link below.

<https://www.ashrae.org/File%20Library/docLib/Government%20Affairs/DayontheHillToolkitUpdated9-2-2016.pptx>

John Pruitt

Grassroots and Government Activities Chair, Atlanta Chapter
johndpruitt@hotmail.com



Save the Date
for the
2017 ASHRAE Atlanta Chapter
Product Show

When: Thursday, March 9th, 2017

Location: COBB GALLERIA CENTRE
Two Galleria Parkway
Atlanta, Georgia 30339

For more information, see the [Product Show webpage](#).

Vendors please mark your calendars and start making your plans for your exhibits and everyone please make your calendars for attendance at our semi-annual product show.

Membership Promotion (MP)

February 2017 Edition

Ready to cheer on the Falcons this weekend? We sure are!

We are very excited to bring our members some great things this year, including an updated website better suited to serve your needs, great technical presentations during our chapter meetings, and a Member Spotlight where we will honor one of our excellent members each month.

Have ideas of what you would like to see as a member benefit? Let us know!

Interested in volunteering? We have multiple positions available for people wanting to get more involved in the chapter. Jump right in as a committee chair or learn the ropes as a committee co-chair. Considering it but not sure? Join us for a BOG meeting, which is open to the public, and decide for yourself!

Brendan Gardes
MP Chair, Atlanta Chapter
membership@ashraeatlanta.org

This Atlanta Chapter Newsletter goes by email only to all Atlanta Chapter ASHRAE members along with all other ASHRAE members in our area and anyone else who asks. If you need a change in our email list, please notify our Chapter Secretary at secretary@ashraeatlanta.org

Sponsors

Thank you to the 2016-2017 ASHRAE Sponsors! Interested in being a sponsor? Sign up now!



GEORGIA AIR ASSOCIATES



Let's thanks these companies for their donations. If you would like to be a sponsor for the 2016-2017 calendar year, please click on the link for more information or contact Brian Justice (below is the email) <http://www.ashraeatlanta.org/event-850135>.

Thanks to our newsletter sponser:



Rainwater is a Resource

Brian Justice
Chapter Board of Governors, Atlanta Chapter
justicebrian@charter.net

This Atlanta Chapter Newsletter goes by email only to all Atlanta Chapter ASHRAE members along with all other ASHRAE members in our area and anyone else who asks. If you need a change in our email list, please notify our Chapter Secretary at secretary@ashraeatlanta.org

Scholarships Available - Apply Today!

Through its scholarships, ASHRAE seeks to motivate students and prospective students worldwide to pursue an engineering or technology career in the HVAC&R field. The Society's Scholarship Program also serves the public interest by aiding in the education of men and women to become qualified to practice as engineers in HVAC&R. ASHRAE has 28 scholarships available for the 2015-16 school year, for high school seniors entering college through senior undergraduate engineering students and engineering technology students. ASHRAE is seeking your assistance in making student members aware of this financial assistance.

- * 8 regional/chapter and university-specific scholarships — \$3,000 to \$5,000 each. Now accepting applications!
- * 12 undergraduate engineering scholarships — \$3,000 to \$10,000 each. Now accepting applications!
- * 4 high school senior scholarships — \$3,000 each
- * 4 engineering technology scholarships — \$5,000 each

Qualified students are encouraged to apply online:

www.ashrae.org/scholarships

Annual Application Deadlines:

May 1st for Engineering Technology and High School Senior Scholarships

Scholarships are awarded for the academic year following the application deadline beginning with the fall semester. For a list of available scholarships, complete eligibility requirements, and an application, visit www.ashrae.org/scholarships

Are you missing out?

Don't miss out on the latest ASHRAE publications! For more information, visit the Resources and

ASHRAE JOURNAL



Most college science buildings consume a lot of energy. But, the Davis Building at the University of Findlay has a site EUI of only 64 kBtu/ft², which is significantly lower than most similar buildings that include labs with many fume hoods. This issue also features articles about when adding more fan power can be a good thing, the future of residential construction and a side-by-side comparison of VAV vs. radiant.

[Learn More >](#)

HPB MAGAZINE



Learn how the Federal Center South Building 1202 fosters a culture of collaboration, while the Haywood Community College Creative Arts Building welcomes artists with open, daylit spaces that maximize passive strategies to reduce energy use. The SIERR Building at McKinstry Station demonstrates that even a nearly condemned building can be transformed into a high performing, energy-efficient office.

[Learn More >](#)

PUBLICATIONS CATALOG



[Interactive Catalog](#)

[Downloadable Catalog \(PDF\)](#)

ASHRAE TERMINOLOGY



Explore this new free resource, a comprehensive online glossary of more than 3700 terms related to the built environment, with a focus on HVAC&R terms. Learn more at www.ashrae.org/ASHRAETerms

Publications page: www.ashrae.org/resources--publications



How Do I Join ASHRAE?

1. Visit <http://www.ashraeatlanta.org/> to start the process
2. Click "Membership" on the horizontal menu bar
3. On the pull down menu, click "Join"
4. Enter your email address in the box "Verify your E-mail status"
5. A prospective member will then be directed to enter his or her email information. As a new member, your address will not be recognized, and you will be invited to "Register Now".
6. After you complete registration, you will be directed to the Individual Information page where you can finally select "Join ASHRAE"!

Convenient and Useful ASHRAE Links

Again this year, our use of the Internet to further embrace our goal of Modeling a Sustainable World will be continued. Please use the web sites listed below:

1. RSVP and prepay for each event through the Atlanta ASHRAE <http://www.ashraeatlanta.org/>. For events where meals are served, you must at least RSVP to ensure that there will be a meal for you. We encourage you to prepay, as this will speed your way through the check-in process.
2. Pay your Chapter dues of \$40 per year directly to the chapter: <http://www.ashraeatlanta.org/Membership>. These dues are in addition to your Society dues and help fund the Chapter's programs and outreach.
3. Donate to ASHRAE Research Promotion. We have a fundraising goal of \$44,000 this year, so please do what you can to help fund ASHRAE research. Donate here: <https://xp20.ashrae.org/secure/researchpromotion/rp.html>
4. Join the "ASHRAE Atlanta Chapter" group on LinkedIn at <http://www.linkedin.com/>.
5. Like the "ASHRAE Atlanta Chapter" page on FaceBook at: <https://www.facebook.com/ASHRAEAtlanta/>
6. Access the Product Directory online at the Atlanta ASHRAE website. Please note that this feature is in the process of being updated.

2016-2017 Chapter Officers



Megan Tosh – Vice President
vicepresident@ashraeatlanta.org

Megan is currently a Software Support Engineer at Integrated Environmental Solutions (IES). She provides software training and technical support to users throughout North America. Megan completed her Bachelors and Masters of Mechanical Engineering at the University of Central Florida, where she joined ASHRAE as a Student Member. She has been volunteering with ASHRAE since, previously serving in several chapter chair positions, as President of the Central Florida Chapter, as YRC in Region XII, and as Chair of Young Engineers in ASHRAE. In addition to being your Treasurer, Megan is currently the RVC for Student Activities in Region IV.



Sarah Young – Treasurer
treasurer@ashraeatlanta.org

Sarah is currently a Mechanical Engineer Consultant at DLB Associates where she is part of the design, commissioning and MSI teams. Sarah is a graduate of Grove City College with a Bachelor of Science in Mechanical Engineering. She has been volunteering with ASHRAE for several years, and was the YEA Chair (2 years) and CTTC (Programs) Chair (1 year).



Irvin Sierra – Secretary
secretary@ashraeatlanta.org

Irvin is currently a Commercial Engineer Manager with Lennox Industries for the greater Atlanta area. He received his Bachelor of Science degree in Mechanical Engineering Technology from Wentworth Institute of Technology in Boston, MA. Irvin started his career in HVAC as a consulting engineer and moved into HVAC sales in 2003. He relocated to Atlanta with his family in 2005 and has been a volunteer with ASHRAE for several years and organized the ASHRAE Atlanta Trade Show (2 years). He has held positions of Communications Chair, Student Activities Chair and is currently the Chapter Secretary.

Browse Job Postings on Our Site

Did you know employers can post job opportunities on the Atlanta Chapter website for **FREE**?

As the professional society that serves as the major connection through all parts of the HVAC industry, it is important to the Atlanta ASHRAE Chapter to keep all members employed. Likewise, we are happy to assist employers in posting their job



Go to the following page on our site to browse the posted employment opportunities:
<http://ashraeatlanta.org/JobOpportunities>

Amber Scales, our Communications Chair invites you to connect with the ASHRAE Atlanta Chapter on networking social media

(Let's Connect)



www.linkedin.com/groups/ASHRAE-Atlanta-Chapter-2186496

www.facebook.com/ASHRAEAtlanta