May Newsletter

2016

ASHRAE Atlanta Chapter

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President's Message

May 2016

With school out and the weather getting warm it really feels like summer is here to stay. The change of season also marks a fairly quiet time for our local chapter. My term as President will end in June and as I wind down my time I'm grateful for the support and the participation we have had this year and look forward to finishing my presidency strong.

I want to thank everyone who came out to the events we had during the month of May. It was a busy month for both our members who participated but especially for the volunteers who ran the events. We had one of our largest groups in the past few years at the Past Presidents and Life Members Luncheon. It was great to see old faces and reminisce about the past.

Despite the possibility of rain we also had a strong showing at the GT vs UGA baseball game and enjoyed the BBQ and baseball.

We finished the month's activities off with our Spring Golf Tournament. What a great day to spend on the golf course with over 100 golfers and a strong list of sponsors.

Don't forget the ASHRAE Region 4 Chapter Regional Conference which will be held at Lake Lanier Island Resort on August 11-13. There will be numerous events and learning opportunities. You can also go here for sponsorship opportunities: http://www.ashraeatlanta.org/event-850135

I hope everyone has a great summer and unless I see you at CRC…. I will see you in the fall.

John Pruitt
Atlanta Chapter President 2015-2016
president@ashraeatlanta.org
www.ashraeatlanta.org

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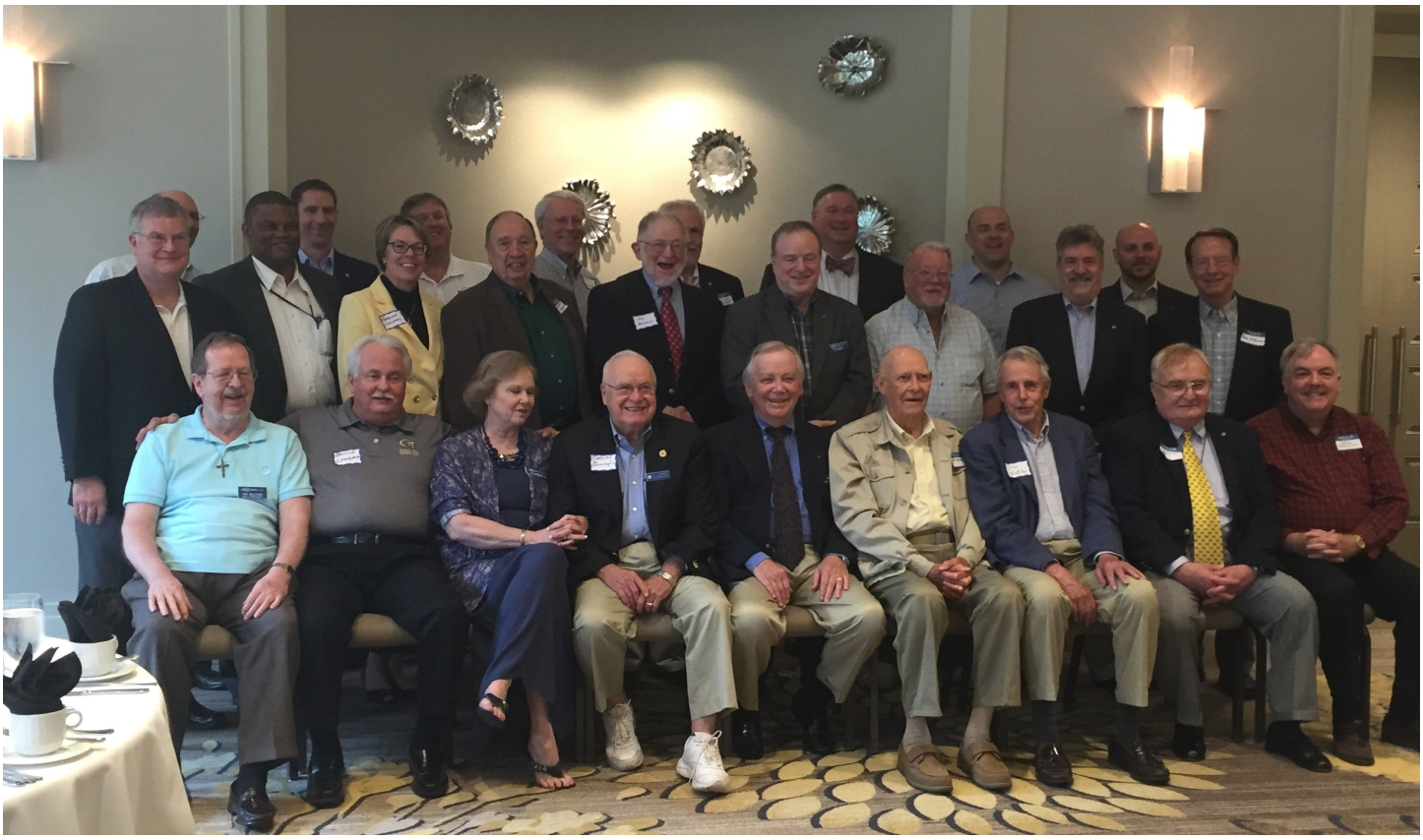
Chapter Meeting Announcement

Thanks to everyone who came out to the Past President's and Life Member's Luncheon! We greatly appreciate everything you have done.



Noelle Sagan
Chapter Technology Transfer Chair, Atlanta Chapter

nesagan@workingbuildings.com

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Rail Passenger Vehicle Standard Published by ASHRAE

A consistent approach to the design and application of HVAC for rail passenger vehicles is provided in a newly published guideline from ASHRAE.
"Guideline 23-2016, Guideline for the Design and Application of HVAC Equipment for Rail Passenger Vehicles, was developed in response to a need expressed within the rail passenger vehicle industry to adopt a more consistent approach to the design and application of HVAC systems that can be used as a basis for future designs," Ken Hesser, chair of the committee that wrote the guideline, said. "Current inconsistent design approaches and sometimes widely varying requirements for similar applications have resulted in minimal standardization, excessive development efforts for similar equipment, and the resulting inefficiency and disproportionately high cost of equipment."

The guideline applies to passenger carrying rail vehicles. These include three broad categories of rail vehicles or service: urban includes subways, street cars and light rail; commuter (sometimes referred to as regional or suburban) includes primarily electric multiple units (electrically powered from overhead catenary or third rail) and locomotive hauled trains that transport passengers from the suburbs to metro areas; and intercity trains that are typically the locomotive hauled long distance trains.

Estimates on the number of rail passenger vehicles worldwide are in excess of 100,000. Hesser noted that air conditioning design for rail vehicles present unique challenges over designing for buildings. Challenges unique to rail vehicles vs. buildings include:

- Designing equipment to be significantly more mechanically robust to withstand the dynamic shock and vibration environment
- Maintaining comfort with rapidly changing passenger loads and quickly changing environmental conditions (tunnels, stations etc.)
- Maintaining reliable operation in dirty environments
- Ability to continue operation when exposed to extreme transient thermal conditions in tunnels and when positioned adjacent to other heat generating equipment
- High tolerance for rapid supply voltage fluctuation and frequent power interruptions/restarts
- Tight packaging of high capacity equipment in limited spaces.
- Sizing capacity to accommodate rapid cool down/heat up when vehicles are parked without power for extended periods.

The cost of Guideline 23-2016, Guideline for the Design and Application of HVAC Equipment for Rail Passenger Vehicles, is $39, ASHRAE members ($46, non-members). To order, visit www.ashrae.org/bookstore or contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide) or fax 678-539-2129.

Vote Your Conscience

Why do we call them "PARTIES"? They should be gangs or mobs or even thugs! Unless you live under a rock, you will have noticed we are in a presidential election cycle once again. Someone please explain why we start with so many candidates and end up with what in Pittsburgh was called Old Frothingslosh (That was the "pale stale ale

with the foam on the bottom" and was put out every Christmas from the sludge at the bottom of the beer barrels by the Iron City Brewing Company).

With all the talk of changing the rules (which are changed and voted on at every convention) there have been some really sketchy deals made in the past. John Quincy Adams only won when the House of Representatives decided the election in 1824 and Rutherford B. Hayes won the election by a compromise that withdrew Federal Troops form the South ending Reconstruction in 1876. So sneaky things have happened before and will most likely happen again. Delegates, Super Delegates, Super Pacts…. My head is spinning.

I don't care which "party" you are affiliated with, we have all been left with less than stellar candidates. So, that brings me to voting your conscience. We all need to analyze what is important to each of us and which candidate is closest to that which matters most to our own beliefs (that is assuming they are telling the truth about what they promise to accomplish).

Electability should never be of any importance, this isn't a "I want to vote for a winner" issue. It may come down to placing a vote against the other party's candidate more than a vote for a party's candidate.

Once again this year we will hold our noses and vote (at least I hope you vote, a vote is a terrible thing to waste). John Quincy Adam said "Always vote for principle, though you may vote alone, you may cherish the sweetest reflection that your vote is never lost." I don't know how sweet that lost vote is, but at the very least you can say I didn't vote for him/her when the one you don't want gets the office. We can guarantee that the one you don't want reaches the office by not voting.

If I offend anyone with my diatribe, I apologize. I don't think I'm alone in being very frustrated with politics these days.

Pam Immekus
Grassroots and Government Activities Chair, Atlanta Chapter
pam@leppardjohnson.com

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Spring RP Golf Tournament

Thanks to everyone who came out to the Spring RP Golf Tournament! We had a great turnout!

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ASHRAE Learning Institute

2016 Spring Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/orlandocourses

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Full-Day Professional Development Seminars

$485/$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

Fundamental Requirements of Standard 62.1-2013
Mon, May 2, 2016 – 1:00 pm to 4:00 pm, EDT
Instructor: Hoy Bohanon

Variable Refrigerant Flow System Design & Applications
Mon, May 16, 2016 – 1:00 pm to 4:00 pm, EST
Instructor: Dermot McMorrow

The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.

Exceeding Standard 90.1-2013 to Meet LEED® Requirements
Part 1: Mon, April 11, 2016 – 1:00 pm to 4:00 pm, EDT
Part 2: Wed, April 20, 2016 – 1:00 pm to 4:00 pm, EDT

Operations & Maintenance of High-Performance Buildings
Part 1: Tue, May 17, 2016 – 1:00 pm to 4:00 pm, EDT
Part 2: Wed, May 18, 2016 – 1:00 pm to 4:00 pm, EDT

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta ● Halifax ● Hong Kong ● Houston

Kuala Lumpur ● Miami ● Minneapolis ● Vancouver

HVAC Design: Level I – Essentials - Registration is $1,264 ($1,009 ASHRAE Member)

ASHRAE's HVAC Design: Level I — Essentials provides intensive, practical training for HVAC designers and others involved in the delivery of HVAC services. In three days, gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use.

Fundamentals
Heating/Cooling Load Calculation
System Selections
HVAC System and Components
Cooling System
Basic Design of Hydronic Systems
Basic Design of Air Systems
Control/BAS

HVAC Design: Level II – Applications - **Registration is $854 ($699 ASHRAE Member)**

ASHRAE's HVAC Design: Level II — Applications provides advanced instruction on HVAC system designs for experienced HVAC designers and those who complete the HVAC Design: Level I — Essentials training. In two days, gain an in-depth look into Standards 55, 62.1, 90.1, 189.1 and the Advanced Energy Design Guides. Training will focus on a range of topics including: HVAC equipment and systems, energy modeling, designing a chiller plant, and BAS controls.

- Sustainability / Green/LEED / HPB / NZEB
- Standard 55
- Standard 62.1
- Building Systems: Education Facility
- System Applications: Chiller/Boiler, Air Handlers, VAV Terminals

Visit www.ashrae.org/hvactraining to register.

Who are the 2015-2016 ASHRAE Sponsors?

Diamond Level:

JPA JOE POWELL AND ASSOCIATES, INC.

GEORGIA AIR ASSOCIATES

Platinum Level:

LENNOX VRF

Let's thanks these companies for their donations. If you would like to be a sponsor for the 2015-2016 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:

GEORGIA WATER TANKS

Rainwater is a Resource

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

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Membership Promotion (MP)

May 2016 Edition

Let's extend a warm welcome to the following new members:

Brian Korcsmaros	Anthony Coppellotti	Cary Aiken
Patrick Jansen	Dr Aika Davis	Ladd Crittenden Jordan
Christian S Knepper	George Buchanan	Michael Kenworthy
Lola Yancey Justice	Michael Leon Nix	Thomas J Hyde
William David Whitlock	Carden Clark P	Rebecca Hadley-Catter

• Need help to tackle a difficult project?

Get help here: https://www.ashraexchange.org/forum.php?s=9d7bd3261c091332a077ea4b186b6852

HELP, HELP, HELP!!!
Our Chapter needs volunteers to keep helping you to achieve your goals. We have open positions for Chapter committee Chairs, Co-Chairs, Assistants and other related tasks. This is great opportunity to learn for free or show your leadership and management skills which are quite a valuable asset in our market. Those interested can contact our chapter president at president@ashraeatlanta.org

Keep yourself cool and till next newsletter,

Sincerely,

Pedro Pacheco
MP Chair, Atlanta Chapter
membership@ashraeatlanta.org

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ASHRAE Scholarship Program

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

ASHRAE Resources and Publications

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/ft^2, 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"!

Websites Reference List

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.

2015-2016 Chapter Officers

Nick Kassanis – Vice President

vicepresident@ashraeatlanta.org

Nick is currently a Commissioning Authority and Energy Modeling Consultant at Sustainable Investment Group (SIG). He is the project manager for Commissioning, Retro-Commissioning and ASHRAE Level I&II Energy Audit projects all over the country in addition to heading up the Energy Modeling department. Nick is a graduate of Georgia Institute of Technology with a Bachelor of Science in Mechanical Engineering. He has been volunteering with ASHRAE since graduation, making his way through the Student Activities and Research Promotion chair positions.

Megan Tosh – Treasurer

treasurer@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 – Secretary

secretary@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).

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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

A few of the most recent job postings:

- Commissioning Practice Leader – Farnsworth Group, Inc.
- Plumbing Engineer
- HVAC Designer – Design Group
- Application and Sales Engineer – TROX USA

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

(Let's Connect)

LinkedIn

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

Like Us On facebook

www.facebook.com/ASHRAEAtlanta

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