March Newsletter 2016

UPCOMING IMPORTANT DATES

April Chapter Meeting .......................................................... April 12, 2016
March 2016

There is an exciting opportunity at the ASHRAE headquarters in March. ASHRAE Learning Institute will be hosting Level 1 and Level 2 HVAC Design Training Courses March 14-18. To find out more and to register go to https://www.ashrae.org/education--certification/hvac-design-training

Be on the look-out for our spring events that will include a trap shoot and a golf tournament. We will also be hosting a pre-game tailgate for the GT vs UGA baseball game in May. As plans are finalized they will be posted on the ASHRAE Atlanta Chapter website.

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

If you are interested in being more involved in the chapter, please contact me and I will gladly connect you with the group that best fits your interests.

Our next meeting will be a lunch meeting at the ASHRAE Headquarters. I hope to see you there. To Register go to http://www.ashraeatlanta.org/event-2207678

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

2016

April

Apr 12, 2016 – Chapter Meeting

Apr 21, 2016 – Making Net Zero Net Positive Webcast
April Chapter Meeting Notice

Chapter Meeting Notice
Tuesday, April 12th, 2016 – 11:30 AM
Best Practices for Evaluating and Improving the Performance of Commercial Buildings

Bruce D. Hunn, Ph.D.

Bruce D. Hunn, is a consultant in building energy analysis and recently retired after nearly 15 years as Director of Technology/Director of Strategic Technical Programs at ASHRAE. He received B.S., M.S., and Ph.D. degrees in Mechanical Engineering from Stanford University in 1964, 1965, and 1972, as well as a B.A. in Engineering from the University of Redlands. He serves a Secretary of ASHRAE TC 7.6 (Building Energy Performance) and is a member of SPC 211 (Standard for Commercial Building Energy Audits). He is past chair of TC 4.7 (Energy Calculations) and past vice-chair of the Research and Technical Committee.

Prior to joining ASHRAE in 1997 he served as Head of the Building Energy Systems Program, Center for Energy Studies, The University of Texas at Austin, where he directed and conducted research in energy analysis of buildings, advanced cooling systems, fenestration systems, and standards development. From 1975–83 he was Associate Group Leader of the Solar Energy Group, Los Alamos National Laboratory, Los Alamos, New Mexico. From 1971-75 he served as Assistant Professor, Department of Mechanical Engineering, Clarkson College of Technology (CCT), Potsdam, New York.

Dr. Hunn is an ASHRAE Fellow, as well as a Fellow of the American Solar Energy Society, where he was elected chair in 1986-87. More recently he served on the Technical and Scientific Advisory Committee and Research Advisory Committee of the US Green Buildings Council.

Hunn has authored or co-authored more than 110 articles, technical reports and papers, along with eight books or chapters, including Solar Heating Technologies: Fundamentals and Applications. He has given numerous presentations on topics related to passive solar energy and energy efficiency in buildings.

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Upcoming Speakers!

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<tr>
<th>Speaker</th>
<th>Date (Time)</th>
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<tr>
<td>Bruce Hunn</td>
<td>4/12/16 (11:30am – 1:00pm)</td>
<td>ASHRAE Headquarters</td>
</tr>
<tr>
<td>Making Net Zero Net Positive Webcast</td>
<td>4/21/16 (1:00pm – 4:00pm)</td>
<td><a href="http://www.ashrae.org/webcast">www.ashrae.org/webcast</a></td>
</tr>
</tbody>
</table>

**April Lunch Meeting Details**

**Tuesday April 12, 2016 @ 11:30 AM**

Speaker: Bruce D. Hunn, Ph.D.

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

Cost: $10.00 Members / $20.00 Non Members RSVP

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.

Description:

Best Practice for Evaluating and Improving the Performance of Commercial Buildings

- GBCI Approved | 1 CE Hour
- AIA Approved | 1 LU

This presentation describes the implementation procedures for the performance measurement protocols documented in the 2012 ASHRAE publication Performance Measurement Protocols for Commercial Buildings: Best Practices Guide. This how-to guide provides practical steps and tools for continuously monitoring, evaluating, and improving the performance of commercial buildings throughout their service life. It supports integrated commissioning and all activities of the O&M team to ensure that their buildings are green, energy efficient, highly productive, and healthy. A process and tools are provided to quantitatively evaluate building performance at three levels of application.

**Noelle Sagan**

Chapter Technology Transfer Chair, Atlanta Chapter

nesagan@workingbuildings.com

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Making Net Zero Net Positive: Solving the Efficiency & Cost Paradox

April 21, 2016 | 1:00–4:00 p.m. EDT

Come join us at ASHRAE Headquarters for the Making Net Zero Net Positive webcast April 21st. There will be coffee, tea, pastries, and refreshments for ASHRAE members.

This webcast will feature industry experts who will define the importance of, and why we should strive for, net zero in the built environment. Viewers will be able to identify behaviors that create more effective ownership, design and construction teams, and will recognize the value of a collaborative process in building design and the impact on costs. With a strong emphasis on real-world applications, the program will also discuss the primary technical and financial challenges in achieving net zero buildings, and where this design approach can best be applied.

Attend this FREE webcast program and you may be awarded three Professional Development Hours (PDHs).

T. David Underwood, P.Eng., Fellow ASHRAE, Life Member, CPMP
Marc Brune, P.E.
Philip Macey, AIA
Paul Torcellini, Ph.D., P.E.
Bruce D. Hunn, Ph.D.
Consultant in Building Energy Analysis
3324 Harden Road
Raleigh, NC 27607
United States
(404) 455-9735
Region: IV
Honorarium: None
hunnbuildingenergy@gmail.com

Bruce D. Hunn, is a consultant in building energy analysis and recently retired after nearly 15 years as Director of Technology/Director of Strategic Technical Programs at ASHRAE. He received B.S., M.S., and Ph.D. degrees in Mechanical Engineering from Stanford University in 1964, 1965, and 1972, as well as a B.A. in Engineering from the University of Redlands. He serves a Secretary of ASHRAE TC 7.6 (Building Energy Performance) and is a member of SPC 211 (Standard for Commercial Building Energy Audits). He is past chair of TC 4.7 (Energy Calculations) and past vice-chair of the Research and Technical Committee.

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Best Practice for Evaluating and Improving the Performance of Commercial Buildings

GBCI Approved | 1 CE Hour | 0920002619
AIA Approved | 1LU/HSW | HUNN02

This presentation describes the implementation procedures for the performance measurement protocols documented in the 2012 ASHRAE publication Performance Measurement Protocols for Commercial Buildings: Best Practices Guide. This how-to guide provides practical steps and tools for continuously monitoring, evaluating, and improving the performance of commercial buildings throughout their service life. It supports integrated commissioning and all activities of the O&M team to ensure that their buildings are green, energy efficient, highly productive, and healthy. A process and tools are provided to quantitatively evaluate building performance at three levels of application.

Caroline Calloway
Chapter Technology Transfer Chair, Macon Chapter

caroline@callowayes.com
GT-U GA Spring Classic
Tuesday, May 17 2016
GT vs. UGA Baseball @ Turner Field
(First Pitch @ 7:00 / Tailgate @ 5:00)

We’ll be gathering for the Spring Classic baseball game to benefit Children’s Healthcare of Atlanta. Come see a
great college baseball rivalry between two traditional national baseball powers, the Georgia Tech Yellow Jackets
and Georgia Bulldogs.

Cost: $5 / ticket

Includes: Food and Drink at the tailgate AND general admission into the baseball game

We will also have cornhole at the tailgate. You won’t want to miss this great event!

This is the 13th Annual Spring Classic benefits Children’s Healthcare of Atlanta! More than 20,000 tickets are sold
each year at Turner Field making it one of the largest NCAA baseball games in history. The 2011 event raised more
than $200,000 for CHOA.

Parker Brunelle
YEA Chair, Atlanta Chapter
pbrunelle@joepowell.com

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secretary@ashraeatlanta.org
Georgia General Assembly History

A form of representative government has existed in Georgia since January 1751. Its modern embodiment, known as the Georgia General Assembly, is one of the largest state legislatures in the nation. The General Assembly consists of two chambers, the House of Representatives and the Senate.

The General Assembly has operated continuously since 1777, when Georgia became one of the thirteen original states and revoked its status as a colony of Great Britain. Since the General Assembly is the legislative body for the state, the location of its meetings has moved along with each move of the state capital. In its earliest days the legislature met first in Savannah, and subsequently in Augusta, Louisville, and Milledgeville. In 1868 the capital—and the assembly—settled permanently in Atlanta. Today the General Assembly meets in the state capitol, an impressive limestone and marble building with a distinctive gold dome and granite foundation. Each chamber is housed in a separate wing.

Every two years, Georgia voters elect members of the legislature. These elections occur in even-numbered years (e.g., 2012, 2014, 2016). The qualifications for holding office in both houses, as well as the size of both chambers, are established in the Georgia state constitution.

Getting to Know Your Georgia Politics

The Georgia State Primary Election will be held May 24, 2016 and is not the same primary as the one that took place for the most recent Super Tuesday, the General Election will co-inside with the Presidential Election on November 8, 2016.

Georgia has 56 Congressional Districts (see link to determine your district): (https://en.wikipedia.org/wiki/Georgia%27s_congressional_districts) of the 56, 36 have only one person running. A total of 14 Democrats and 22 Republicans are guaranteed election barring unforeseen circumstances. Three incumbent senators are retiring and 53 are incumbents running for re-election. There are 20 seats in competition and in most cases, there are multiple candidates from the same party for each seat.

The Georgia House of Representatives (see link to determine your district) (https://en.wikipedia.org/wiki/List_of_United_States_Representatives_from_Georgia) has 180 districts, 144 have only one person running. A total of 49 Democrats and 95 Republicans are guaranteed election, barring unforeseen circumstances. Seventeen incumbent Representatives are retiring and 162 are incumbents running for re-election. There are 37 seats in competition and in some cases, there are multiple candidates form the same party.

The Federal Congressional race has eight candidates, 4 Republicans including Johnny Isakson, the incumbent, and 4 Democrats. Georgia has two Senate seats, the other filled by David Perdue until 2020. There are 14 Districts for the House of Representatives (with only the 1st, 6th, 12th and 13th Districts with incumbents without competition), all others have multiple candidates. Representative Lynn Westmoreland from the 3rd District is retiring. (See link to determine your Congressional District): (https://www.govtrack.us/congress/members/GA)

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Lighting Requirements for High Rise Dwellings Proposed for Energy Standard

ATLANTA – A proposal that would set lighting requirements for high-rise dwellings in the energy standard published by ASHRAE and the Illuminating Engineering Society (IES) is open for industry comment. Fourteen addenda to ANSI/ASHRAE/IES Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings, are open for public comment from March 25 until April 24, 2016. To comment or learn more, visit www.ashrae.org/publicreviews.

Among them is addendum do. Currently, lighting in dwelling units in high-rise buildings is exempt in both Standard 90.1 and ANSI/ASHRAE/IES Standard 90.2, Energy Standard for Low-Rise Residential Buildings. “In general, lighting within someone’s personal dwelling unit (home) has been exempt because it was not considered commercial, which is the focus of 90.1,” Eric Richman, chair of the standard’s lighting subcommittee, said. “The International Energy Conservation Code with its residential component and other similar state codes developed some basic requirements for dwelling unit lighting several years ago that addressed product efficacy. At the time, it was difficult to develop requirements that would ensure savings and still be practical for personal spaces. Over time, the lack of dwelling unit requirements in 90.1 presented a potential gap in energy savings. These new requirements would set efficacy minimums and/or controls for the lighting in dwelling unit spaces covered in the standard’s scope, which includes multi-family structures of four stories or above.”

The proposed requirements are similar to those in the U.S. Environmental Protection Agency’s ENERGY STAR program for high efficacy lighting. They are simplified to apply to dwelling units in commercial buildings and to support compliance as well as being conservative to allow design flexibility. The proposed efficacy requirements will effectively eliminate the use of incandescent/halogen sources as well as less efficacious products in the compact fluorescent (CFL) and light emitting diodes (LED) categories.

Also among the addenda open for public comment is addendum ei, which tightens requirements to ensure that non-historic elements or areas of buildings meet the applicable requirements. Currently, the historic building exemption can allow for exempting the entire building, including parts that may be new additions or not part of the historic element, according to Richman.

Other addenda open for public comment until April 24, 2016, are:

- Addendum bd requires monitoring chiller plant efficiency in large electric motor driven chilled water plants for plants with a peak chilled water output based upon equipment type and climate zone. The change is designed to help commissioning and ongoing operations of the aforementioned chilled water plants.
- Addendum dw adds efficiencies for hydraulic elevator motors. The efficiency for the motors used in hydraulic elevators is substantially different than the motor efficiencies used for traction elevators. In addition the hydraulic elevator motors are usually not a type covered by the standard.
- Addendum dz provides clarifications only to changes made as a result of addendum cp. This addendum does not change the criteria of the standard. The base assembly for metal building walls is clarified and reference to all insulation methods is recognized in Section A3.2 rather than indicating one insulation methodology as the “base assembly,” which is not intended.
- Addendum ea addresses minor inconsistencies in terminology in sections 5 thru 11 that have developed over time.

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Grassroots & Government Activities cont.

- Addendum eb addresses minor inconsistencies in terminology in Appendices C and G that have developed over time.
- Addendum ec. When preparing documentation to explain the derivation of each number in Table 4.2.1.1 (Building Performance Factors), a single number was found to be inconsistent with the derived values. This addendum corrects that inconsistency.
- Addendum ed adds HVAC System Types 11, 12 and 13 to Section G.3.1.3.18 Dehumidification.
- Addendum ef changes Table G3.1.1-2, based on updated 2012 U.S. Department of Energy’s Commercial Building Energy Consumption (CBECS) information for baseline service water heating systems.
- Addendum eg removes a sentence that is no longer necessary since the most common building energy modeling programs are able to simulate integrated water economizers.
- Addendum ej modifies the text to use correct terminology for LED drivers.
- Addendum ek establishes baseline commercial refrigeration limits for Appendix G, which are based on the California Energy Commission Appliance Efficiency Regulations 2005.
- Addendum el adds a mandatory requirement for air-cooled direct expansion cooling units with economizers to have basic fault detection and diagnostic systems and were developed in consultation with unitary system and economizer control manufacturers.

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 50,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow’s built environment today. For more information, visit www.ashrae.org/news.

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

Spring RP Golf Tournament
Wednesday, May 18th 2016
8:30 a.m. shotgun start

River Pines Golf Course, 4775 Old Alabama Road, Alpharetta, GA 30022, Phone: 770-442-5960

Golf: $650.00 per foursome ; $175.00 for individual players.

Sponsorships*:
- Hole Sponsorships: $300 (14 available)
- Beer Hole Sponsorships**: $600 (2 available)
- Beer / Longest Drive Hole Sponsorship**: $750 (1 available)
- Beer / Closest-to-the pin Hole Sponsorship**: $750 (1 available)
- Luncheon Sponsorship: $1,500 (1 available)
- Raffle Sponsorships: $550 (unlimited)
- Trophies Sponsorship: $350 (1 available)
- Cart Sponsorship: $1,000 (2 available)

* All sponsorships are tax-deductible contributions to ASHRAE RP.
** Beer must be purchased by the sponsor through the clubhouse for (4) Beer Hole Sponsors per course policy. Vendor may set up table/tent at hole.

Team / Individual Golf “Cheat” packages:
Can be purchased in advance when you pay for your team online.
Package includes: (2) mulligans, (1) women’s tee, (1) 12” String & (4) Raffle Tickets per golfer.
Cost is $100.00 per foursome or $25 for individuals.

Range balls are provided prior to the start of the tournament and a post-tournament awards / raffle luncheon will be held.

Visit www.ashraeatlanta.org to sign up your team or be a sponsor for this tournament.

Please contact Glenn Northrup at gnorthrup@georgiaairassociates.com or 678-313-6769 with any questions. The Spring Tournament fills up quickly, so register as soon as possible.

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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

Combined Heat & Power: Creating Efficiency through Design & Operations
Mon, March 28, 2016 – 1:00 pm to 4:00 pm EDT

Commissioning Process & Standard 202
Wed, March 30, 2016 – 1:00 pm to 4:00 pm, EDT

Advanced High-Performance Building Design
Mon, March 23, 2016 – 1:00 pm to 4:00 pm EDT

IT Equipment Design Evolution & Data Center Operation Optimization
Wed, April 6, 2016 – 1:00 pm to 4:00 pm, EDT

Complying with Standard 90.1-2013: HVAC/Mechanical
Wed, April 13, 2016 – 1:00 pm to 4:00 pm, EDT

Laboratory Design: The Basics and Beyond
Mon, April 18, 2016 – 1:00 pm to 4:00 pm, EDT

Standard 188-2015 – Successfully Managing the Risk of Legionellosis
Mon, April 25, 2016 – 1:00 pm to 4:00 pm, EDT

Air-to-Air Energy Recovery Applications: Best Practices
Wed, April 27, 2016 – 1:00 pm to 4:00 pm, EDT
Instructor: Paul Pieper

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

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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](http://www.ashrae.org/hvactraining) to register.
Sponsors

Who are the 2015-2016 ASHRAE Sponsors?

Diamond Level:

[Images of sponsor logos]

Platinum Level:

[Images of sponsor logos]

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.

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

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CHAPTERS REGIONAL CONFERENCE
AUGUST 11 - 13, 2016

Hosted By: ASHRAE Atlanta Chapter - Brian Justice, CRC General Chairman
770.688.0511 | 4295 Lansmoore Crossing, Suwanee, GA 30024 | justice.brian@charter.net
Chilled/Hot Water Plant Design Tip: Primary/Secondary decoupler or bridge piping should be as short as possible.

Feel free to send me your tips to be included in future newsletters. After all, we're here to enjoy, learn, and have fun.

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 a 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.

Now, let's extend a warm welcome to the following new members:

Grant Holder         Phillip Mullinax
Gabe B Park           Nicholas Scott Rule
Nimir Desai           Ryan James Shanley
Greg Sowder           Kevin Andrew McFadden
Silverio R Caranto    Catherine R Story
James Ledyard

Achievement Sharing:
Do you have a job experience or unusual application that makes you happy and want to share? Then send me a paragraph or two and I'll add it to the next newsletter so we all can learn from your experiences. Who knows maybe this story can become your ticket to climb up the career ladder soon. The best ones will be posted on the MP section of the Chapter web page.

Career Tips!
Get the most of your benefits to secure the future by networking, technical meetings & events, etc...

• Need help to tackle a difficult project?
  Get help here:  https://www.ashraexchange.org/forum.php?s=9d7bd32b61c091332a077ea4b186b6852

• Worried about the latest Government affairs towards the HVAC industry.
  Get the facts here:  https://www.ashrae.org/government-affairs/grassroots-government-activities

Keep yourself warm and till next newsletter,
Sincerely,

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

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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

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### Are you missing out?

Don’t miss out on the latest ASHRAE publications! For more information, visit the Resources and Publications page: www.ashrae.org/resources--publications

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<td><img src="image1.png" alt="Image" /> 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 &gt;</td>
<td><img src="image2.png" alt="Image" /> 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 &gt;</td>
<td><img src="image3.png" alt="Image" /> Interactive Catalog</td>
<td><img src="image4.png" alt="Image" /> Explore this new free resource, a comprehensive online glossary of more than 3700 terms related to the built environment, with a focus on HVAC&amp;R terms. Learn more at <a href="http://www.ashrae.org/ASHRAETerms">www.ashrae.org/ASHRAETerms</a></td>
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Publications page: www.ashrae.org/resources--publications

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How Do I Join ASHRAE?

1. Visit [http://www.ashraeatlanta.org/](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/](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](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](https://xp20.ashrae.org/secure/researchpromotion/rp.html)


5. Like the “ASHRAE Atlanta Chapter” page on FaceBook at: [https://www.facebook.com/ASHRAEAtlanta/](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.

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.
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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Industry Opportunities

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 opportunities.

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)

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

www.facebook.com/ASHRAEAtlanta