

July Newsletter 2016

ASHRAE Atlanta Chapter



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July 2016

Welcome to another exciting year for the ASHRAE Atlanta chapter! The newly elected ASHRAE Officers and Board of Governors have kicked off the 2016-2017 year and we have some great events in store for our membership. My name is Nick Kassanis and I am the newly elected President of the ASHRAE Atlanta chapter. I am honored to join the ranks of Past Presidents that have kept this chapter growing and contributing on a national level as one of the largest in the country since its inception. I'd like to introduce myself with some background info and my current involvement in the industry that has inspired me to dedicate my time to volunteering for ASHRAE.

I was born and raised in Athens, Greece, which gives me a unique perspective on the world. I have traveled all around the world and interacted with a variety of cultures. I want to bring this diversity to the ASHRAE Atlanta chapter and help it expand even further. I have been in Atlanta for 10 years and have earned my Bachelors of Science degree in Mechanical Engineering from the Georgia Institute of Technology. I am a Professional Engineer with a specialty in HVAC, a Certified Building Commissioning Professional and LEED Accredited Professional. My career jumpstarted with new construction commissioning projects and energy modeling. My breadth of knowledge quickly expanded to existing building energy audits and retro-commissioning given the sheer quantity of opportunities to improve the built environment. I am currently a Senior Energy Consultant with Sustainable Investment Group. My passion is to help owners, property managers and building engineers reduce their building energy consumption and carbon footprint. My involvement with ASHRAE began 6 years ago as Student Activities chair and has been a fast track to the top. I have held the positions of Research Promotion chair, Secretary, Treasurer and President-Elect. With the help of our excellent volunteer base, we are inspiring a younger generation of engineers to get involved and become the voice of the future.

My overarching goal for this year is to inspire children, students and young professionals to participate in ASHRAE and be motivated by the great work this organization does to promote human well-being through sustainable technology for the built environment. Our focus will be K-12, universities and young professionals through our Student Activities and YEA (Young Engineers of ASHRAE) initiatives. Furthermore, I have set two expansive goals for our local chapter. First, foster collaboration with related local organization (USGBC, AIA and BOMA) to strengthen regional strategies and initiatives for high performance and healthy buildings. Second, cross-pollinate trends and ideas among ASHRAE chapters around the county. This will position our chapter for future success, harboring an environment that attracts young volunteers. I am very proud of our volunteer base that has a wide range of experience. Without this great volunteer base, we would not be able to achieve the success we've had in the past. Please reach out to me directly if you'd like to join our awesome team!

President's Message, *cont.*



We want to make our meetings and social events an opportunity for engineers and consultants in the industry to network with their peers and learn from a collective knowledge base that is unrivaled. I am always open to new ideas, so please feel free to contact myself or any of our volunteers listed on our website. If there is anything we can do to assist, please let us know.

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

I look forward to seeing you at our next event!

Nick Kassanis

Atlanta Chapter President 2016-2017

president@ashraeatlanta.org

www.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

GEORGIA STATE MINIMUM STANDARD CODES January 1, 2016

On October 1, 1991, the Uniform Codes Act became effective in Georgia. On July 1, 2004, this Act was revised to make the following eight construction codes mandatory as the Georgia State Minimum Standard Codes. Listed below are the code editions in effect as of January 1, 2016:

- International Building Code 2012 Edition
- International Residential Code 2012 Edition
- International Plumbing Code 2012 Edition
- International Mechanical Code 2012 Edition
- International Fuel Gas Code 2012 Edition
- International Energy Conservation Code 2009 Edition
- International Fire Code 2012 Edition
- National Electrical Code 2014 Edition

The Act requires local governments that elect to enforce these codes within their jurisdictions to adopt administrative procedures and penalties in order to locally enforce any of these mandatory codes. Also, any applicable appendices of these codes must be adopted locally in order to be enforceable within a specific local jurisdiction. The Act also made the following optional codes available for local government adoption and enforcement. Local governments choosing to enforce any of the below optional codes must adopt the code(s) they wish to enforce, as well as administrative procedures and penalties.

- International Property Maintenance Code 2012 Edition
- International Existing Building Code 2012 Edition
- International Swimming Pool and Spa Code 2012 Edition
- National Green Building Standard 2008 Edition

The Georgia Amendments are available at the below web link:

<http://www.dca.state.ga.us/development/constructioncodes/programs/codeAmendments.asp>

The DCA Board specifically omitted the plumbing, electrical, and energy requirements of the International Residential Code for One- and Two-Family Dwellings. Therefore, the plumbing requirements of the International Plumbing Code, the electrical requirements of the National Electrical Code, and the energy requirements of the International Energy Conservation Code must be used for one- and two-family dwelling construction. If you need assistance in establishing or updating construction codes enforcement program in your area, please contact DCA's Construction Codes Program at (404) 679-3118 or codes@dca.ga.gov.



ASHRAE Reaches Highest Membership in 14 Years

ATLANTA – ASHRAE, long known for its contributions to the built environment technology industry, now boasts more than 56,000 members. ASHRAE membership is individual based, reflecting the Society’s diverse representation of building system design and industrial processes professionals around the world. “This growth reflects ASHRAE’s influence on building standards and best practices around the world,” Tim Wentz, ASHRAE president, said. “Our members recognize that the Society increasingly provides opportunities to network with the global built environment’s best and brightest.”

In 2016, ASHRAE reached 56,105 members, its highest in 14 years. ASHRAE currently has 181 chapters, 41 sections and 234 student branches around the globe, with members in 130 countries. Seventy nine percent of ASHRAE’s total membership is based in the U.S. and Canada, while 21 percent is from other countries, an increase from 18 percent from two years ago. ASHRAE’s Region-at-Large, which encompasses the Middle East, Pakistan, Sri Lanka, India, Africa and Europe, had the largest percent gain in membership in the Society year of 2015-16.

“From expansion into residential markets to providing resources for the quickly changing refrigerant industry, ASHRAE will continue to use the expertise of its members to further the technology of tomorrow,” Wentz said. “At the same time, ASHRAE is partnering with other organizations dedicated to working toward a more sustainable environment, creating a worldwide best-practices databank of innovative and successful technologies that will serve the built environment community.”

ASHRAE currently has more than 130 published standards and guidelines and is one of only six standards-developing organizations in the U.S. that can self-certify that its standards have followed American National Standards Institute’s (ANSI) standards development procedures. The Society is also one of the only HVAC&R organizations that maintains its own research program, which currently has 56 active research projects with a combined value of more than \$9 million. That research is overseen by some 100 technical committees representing 4,200 people.

ASHRAE produces hundreds of publications, including the ASHRAE Handbook, books on specialized topics within the field, and various CDs and DVDs. The Society also publishes the peer-reviewed monthly ASHRAE Journal, quarterly High Performing Buildings and bimonthly Science and Technology for the Built Environment. Through the ASHRAE Learning Institute, ASHRAE offers more than 100 courses in a variety of formats, including eLearning, professional development seminars, short courses and self-directed learning courses. In addition, ASHRAE offers six certification programs for individuals.

Pam Immekus

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

CHAPTERS REGIONAL CONFERENCE

AUGUST 11 - 13, 2016



Lanier
ISLANDS

LEGACY LODGE
& CONFERENCE CENTER

[CLICK HERE
TO SEE MORE](#)



CONFERENCE ACTIVITIES

- ▶ WELCOME BEACH PARTY
- ▶ SPOUSE WINERY TOUR
- ▶ NIGHTLY PIT-FIRES
- ▶ HOUSE BOAT PARTY
- ▶ GOLF OUTING
- ▶ AND MORE!

SPONSORSHIP PACKAGES

- ▶ PLATINUM | \$3,000
- ▶ GOLD | \$2,000
- ▶ SILVER | \$1,000

[CLICK HERE
TO SEE SPONSORSHIP
PACKAGE SPECIFICS](#)

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.

Sponsors



Thank you to the 2015-2016 ASHRAE Sponsors!

Who will be the 2016-2017 ASHRAE Sponsors? Sign up now!

Diamond Level:



Platinum Level:



Let's thank 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 sponsor:



Rainwater is a Resource

Brian Justice

Chapter Board of Governors, Atlanta Chapter

justicebrian@charter.net



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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



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.

2015-2016 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

Bio coming soon.

Photo Coming Soon



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>

The most recent job posting:

- US EPA Region 4 office in downtown Atlanta expects to make a new hire in the next six months for a person willing to learn Indoor Air Quality as well as Energy Star. Engineering degree preferred, especially 2015 or 2016 graduate. For more information, please contact Henry Slack, slack.henry@epa.gov



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