President’s Message
January 2017

Happy New Year to all our ASHRAE Members and newsletter recipients! We are truly grateful for your support as we enter 2017 with great momentum. We celebrated the end of 2016 with a wonderful holiday party co-organized with the American Institute of Architects (AIA). Spearheaded by our Young Engineers of ASHRAE (YEA) and the Young Architects Forum (YAF) of Atlanta, we had over 60 people at Torched Hop to close out the year strong.

2016 has seen our volunteer base grow with young engineers under the mentorship of Atlanta Chapter veterans. We have successfully organized events with the USGBC and AIA, who share our core values of improving the built environment. Collaboration amongst our industries is a must as we look towards a future where the integrated design process will be the norm and not considered a premium. It is important now more than ever to pool our resources and promote collaboration.

This Tuesday, January 10, 2017 will be our first monthly meeting back from the holidays at ASRHAE HQ and we have an excellent topic. It will be a back-to-basics on refrigeration energy, so be sure to register your interns, co-ops and young engineers! It is an excellent opportunity for a review of the basic vapor refrigeration cycle and refrigeration system components. You can register by clicking the link below:

http://www.ashraeatlanta.org/event-2423573

This year we are bringing back the Product Show, which will be held on Thursday, March 9th at the Cobb Galleria Centre. For questions about booths and sponsorship opportunities, contact one of our officers and we will put you in touch with the right person. We are looking at a bigger and more impressive venue this year!

We are always looking for fresh ideas and new perspectives, so feel free to contact me if you are interested in volunteering. It is a great environment to meet industry leaders and network amongst your peers. I look forward to seeing everyone at our upcoming events!

Nick Kassanis
Atlanta Chapter President 2016-2017
president@ashraeatlanta.org
www.ashraeatlanta.org
Refrigeration Energy Essentials

A review of the basic vapour compression refrigeration cycle and refrigeration system components will be used to learn which parameters and design choices have the most impact on refrigeration and air conditioning system efficiency. The presentation will examine different control strategies and technologies that are used to increase refrigeration cycle efficiency such as floating head pressure, floating suction pressure, subcooling, expanders and ejectors. This topic will also explain coefficient of performance (COP) and how combined COPs are used.

Speaker: Greg Scrivener

Greg Scrivener started in the refrigeration industry as an apprentice refrigeration mechanic in 1997 and completed his journeyperson certification in 2003 with an award for ’Most outstanding new Journeyperson”. Continuing to work in the refrigeration industry, Greg completed a B.Sc. in Mechanical Engineering with distinction from the University of Saskatchewan in 2011.

Having worked in roles from all the way from mechanic to design engineer, Greg can offers a comprehensive view point on refrigeration related construction and design. In 2014, he founded Cold Dynamics and is now involved with refrigeration consulting work including design, inspections, commissioning, advanced troubleshooting, energy auditing, control sequence optimizations, and training. Coupled with a passion for energy efficiency and the environment, Greg’s unique experience leads to an in-depth understanding of the parameters affecting efficient refrigeration system operation.
Chapter Meeting, cont.

January Lunch Meeting Details

Date: Tuesday January 10, 2016 @ 11:30 AM

Speaker: Greg Scrivener

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.

Joining us in Macon?

Date: Tuesday January 10, 2016 @ 11:30 AM

Speaker: Webinar, Greg Scrivener

Location: Mingleorffs

RSVP: ccalloway@aerco.com. Please register for the Macon event

Lunch would be provided at the meeting.
ASHRAE Announces Topics for New Building Performance Analysis Conference

ATLANTA – ASHRAE has announced the topics and a call for presenters for its new Building Performance Analysis Conference, formerly known as the ASHRAE Energy Modeling Conference. This year’s conference addresses energy modeling, the core topic of the past four conferences, and expanded subject matter which now encompasses non-energy building performance analysis and simulation and those professionals responsible for that work. The conference program addresses the needs of designers and modelers.

“This conference engages the design aspect of modeling and simulation,” Dennis Knight, conference chair, said. “The conference topics address the work of HVAC engineers, architects and other building design professionals who rely on simulation and modeling tools to perform their day-to-day work and meet their standard of care.”

The 2017 ASHRAE Building Performance Analysis Conference takes place Sept. 27-29, 2017, in Atlanta, Ga. A call for presenters is now open for presentations that address the following conference topics:

- Modeling for and during the design phase (includes thermal comfort, visual comfort, water, and health, safety and welfare)
- Early design modeling and concepts
- Modeling innovative or new technologies
- Existing building modeling
- Model validation and calibration
- Data visualization
- Future trends in modeling
- Making the business case for modeling

Presentation proposals are due March 13, 2017, and decisions will be announced April 3, 2017.

“The conference’s goal is to serve practitioners with the most up-to-date best practices, work flows and processes required to plan, design, construct and operate high performing, low energy consuming, environmentally responsive and responsible, safe, secure and healthy buildings for human occupancy,” Knight said.

The conference program will include keynote speakers, invited speaker sessions, other program types and presentations and the ASHRAE LowDown Showdown modeling competition. For more information or to submit a presentation proposal, visit www.ashrae.org/BuildPerform2017.
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.


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

*** Booth registration information and details to follow in the next couple of weeks. ****

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.

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.
Happy New Year! 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
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

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

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 Publications page: [www.ashrae.org/resources--publications](http://www.ashrae.org/resources--publications)
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.
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).

Industry

Sarah Young – Treasurer
treasurer@ashraeatlanta.org

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.
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

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