President’s Message

April 2018

Tuesday, April 10th we have Todd Mowinski with Newcomb & Boyd speaking about The Living Building Challenge at Georgia Tech. You don’t want to miss it.

FYI:

▪ We are offering ASHRAE Atlanta Chapter embroidered Under Armor polos (in white, black or gray) that will be ready in time for purchase at the Spring Golf Tournament. Polos are also available for purchase at the chapter website.

▪ If you’re interested in sharpening some of your soft skills, management skills or just want to get to know a great group of people and are interested in volunteering on one of our committees or events, please let me know (syoung@dlbassociates.com)

The Atlanta ASHRAE chapter closed out winter with a bang – quite literally; we had a sold out crowd make their way to Garland Mountain for a morning of Sporting Clays. There was some stiff competition, but everyone had a good time.

In February we had one of our most successful Day on the Hill events during National Engineers Week. Several members visited the Georgia State Capitol to meet with legislators including Governor Deal. We also received a Proclamation of National Engineer’s Week.

We were able to connect via conference call with the Macon Section during our March meeting with USGBC on Arc Technology where we learned a new tool for tracking building performance.

YEA & Refrigeration also couldn’t stay away from having a good time and went to Gate City Brewery for a tour and social.
Our student activities committee was also extremely busy with events at both Georgia Tech, UGA, and the Atlanta Science Festival at Piedmont Park.

You think we would be tired, but fear not! We have several more events on the horizon:

- April Chapter Meeting at Maggiano’s Tuesday Evening 4/10
- Spring Outing (open to all) at Stone Mountain Saturday 5/5
- GT/UGA Spring Classic Baseball Game & Tailgate Tuesday 5/8
  - [https://ashraeatlanta.wildapricot.org/event-2860656](https://ashraeatlanta.wildapricot.org/event-2860656)
- Past President & Life Member Luncheon Wednesday 5/9
- Spring Golf Tournament Wednesday 5/16
  - Polos are now available to order: [https://ashraeatlanta.wildapricot.org/event-2735793](https://ashraeatlanta.wildapricot.org/event-2735793)

Sarah Young
Atlanta Chapter President 2017-2018
[president@ashraeatlanta.org](mailto:president@ashraeatlanta.org)
[www.ashraeatlanta.org](http://www.ashraeatlanta.org)
The Living Building at Georgia Tech

In 2015, The Georgia Institute of Technology received a $30 million grant from The Kendeda Fund to design a building that will achieve the Living Building Challenge 3.1 Certification and ultimately become the most environmentally advanced education and research building in the Southeast. This presentation delves into the unique challenges and successes of designing and constructing a building that makes the world a better place. Topics include:

- An overview of Georgia Tech’s innovative Design Team selection process
- A primer on the Living Building Challenge
- An explanation of the Georgia Tech Living Building project and the ideas competition, including goals for designing net positive energy buildings in hot and humid climates
- A discussion of Energy Usage Index (EUI), establishing a baseline and a solar budget
- Early stage energy modeling as a decision making tool
- HVAC system concepts for net positive energy design
- Net positive water buildings – the water cycle for a Living Building – water reclamation and treatment
- Current status of the project. Lessons learned (and still learning)
- How will this project change the way we work?

Todd Mowinski

With 20 years of experience in mechanical engineering design, project management, and partner-in-charge responsibilities on more than 130 facilities, Mr. Mowinski has particular expertise in the areas of academia, medical facilities and laboratories. He has presented to international conferences on sustainability in HVAC design and has also published on the topic. Mr. Mowinski was named a Partner in 2016.

https://ashraeatlanta.wildapricot.org/event-2870867

Date: Tuesday, April 10, 2018 @ 6:00 PM

Location: Maggiano’s Cumberland Mall
Cost: $10.00 Members / $20.00 Non Members

Dinner will be provided at the meeting.

You MUST RSVP if you plan to attend the meeting. Please email rlontoc@newcomb-boyd.com. Also, you can prepay and RSVP at http://www.ashraeatlanta.org/Events. This helps the chapter accurately order food from the catering company and accelerates the check-in process.

Robert Lontoc
Programs Chair, Atlanta Chapter
rlontoc@newcomb-boyd.com
Chapter Calendar

2018

April
Apr 10, 2018 – Chapter Meeting, Mr. Mowinski speaking on the living building at Georgia Tech

May
May 8, 2018 – YEA Spring Classic Tailgate
May 9, 2018 – Past Presidents’ and Life Members’ Luncheon
May 16, 2018 – Spring Golf Outing
May 26, 2018 – Research Promotions Spring Golf Tournament
Georgia Energy Code Resources

Georgia’s Department of Community Affairs maintains the list of all current mandatory and permissive state construction codes, as well as copies of the state-specific amendments for each code here: https://dca.ga.gov/local-government-assistance/construction-codes-industrialized-buildings/construction-codes

The US Department of Energy maintains an extensive database of building energy codes for all states: https://www.energycodes.gov/adoption/states/georgia

The current code – based on 2009 IECC
Georgia’s current energy code has been in effect since January 1, 2011. For residential buildings, the code follows the 2009 International Energy Conservation Code (2009 IECC) plus Georgia State Supplements and Amendments (2011). For commercial buildings, there are two options:

- 2009 IECC plus Georgia State Supplements and Amendments (2011, 2012), OR
- ASHRAE 90.1-2007
  - The 90.1 option is referenced in 2009 IECC Chapter 5, Section 501
  - The 2007 version of 90.1 is specified in 2009 IECC Chapter 6: Referenced Standards

The International Code Council provides free online access to the codes, including 2009 IECC here: https://codes.iccsafe.org/public/collections/i-codes?state=I-Codes&year=2009
For all Georgia State Supplements and Amendments to IECC 2009: https://dca.ga.gov/node/3546

The future code – based on 2015 IECC
The State Codes Advisory Committee (SCAC) met on February 28, 2018 to review the update to the energy code, to the 2015 IECC with Georgia State Supplements and Amendments, which include references to ASHRAE 90.1-2013 equipment efficiency standards. https://dca.ga.gov/sites/default/files/iecc2019_gaamendments_effective03082018_0.pdf

The SCAC voted to approve the code and amendments, but pushed back the effective date to January 1, 2020, to provide additional time for training, as well as to align with the effective dates of other code updates currently under review (building code, residential code, mechanical code, etc.). The final step in adoption is approval by the Georgia Department of Community Affairs Board in 2019.

The most contentious issue in the code update related to the residential air leakage rate and mechanical ventilation requirement, now both at 5 ACH50. If you have experience with residential systems and would like to share your expertise with the residential code task force, their next meeting is Thursday, March 29, 2018 at 10 am at the Georgia Department of Community Affairs (60 Executive Park South, NE, Atlanta GA 30329). The agenda can be found here: https://dca.ga.gov/sites/default/files/agenda4_irc_task_force_3-29-18.pdf
Atlanta Commercial Buildings Energy & Water Efficiency Ordinance – New Deadlines

The City of Atlanta has released the deadlines for 2018 compliance with the Commercial Buildings Efficiency Ordinance (15-O-1101), which applies to all buildings within city limits over 25,000 SF.

- Benchmarking: Calendar Year 2016 and 2017 energy and water usage data to be submitted by June 1, 2018.
- Audits: Buildings with ABIDs ending in 7 or 8 to submit audit report details between July 1, 2018 and December 13, 2018. Additional details to be available in April 2018.

For more information, visit [https://atlantabuildingefficiency.com/](https://atlantabuildingefficiency.com/)

EPA’s ENERGY STAR Score Update

In August 2018, EPA will update the models that power 1-100 ENERGY STAR scores with new data, based on the latest Commercial Building Energy Consumption Survey (CBECS) from the U.S. Energy Information Administration. Join this interactive session to hear about EPA’s methodology and schedule for updating 1-100 ENERGY STAR scores, discuss considerations for building owners and managers, and learn what to expect when new metrics are released: [https://esbuildings.webex.com/esbuildings/onstage/g.php?MTID=ed8c8d0ade3d554f3b219d640a01490da](https://esbuildings.webex.com/esbuildings/onstage/g.php?MTID=ed8c8d0ade3d554f3b219d640a01490da)

Looking for more local involvement?

Could your neighborhood, city, or county officials use ASHRAE resources?

If you know of a local policy issue relating to any of ASHRAE’s areas of focus, such as energy efficiency, refrigerant safety, indoor air quality, and legionellosis risk mitigation, get in touch with GGAC Chair Meghan McNulty. We have technical resource for your local policy makers and decision makers.

Job Opening at the Southeast Energy Efficiency Alliance

The Southeast Energy Efficiency Alliance has an opening for a Built Environment Associate, research and data analysis in support of public policy to promote energy efficiency. For more information: [https://seealliance.bamboohr.com/jobs/view.php?id=2](https://seealliance.bamboohr.com/jobs/view.php?id=2)

Government Affairs Updates

An Exciting Day at the Capitol for ASHRAE Atlanta
Correction: The photo caption in last month’s newsletter mistakenly omitted Darrell Sandlin from the list of ASHRAE Atlanta members meeting with Governor Deal during the Day on the Hill.

Caption: ASHRAE Atlanta members accept a Proclamation of Engineers Week in Georgia from Governor Deal. Pictured from left to right: Lyle Gladney, Gabe Park, Melvin Garrett, Keven McCook, Meghan McNulty, Darrell Sandlin, Governor Nathan Deal, Mark Dahir, Caroline Moore, Parker Brunelle, Joe Husted, Jeff Taylor.

Meghan McNulty
Grassroots and Government Activities Chair, Atlanta Chapter
Meghan.mcnulty@servidyne.com

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
We are about to embark on another ASHRAE Winter Meeting in January of 2019. Lots of help will be required from the Chapter. The last Winter Meeting which includes the ARI equipment show was in 2001. We did have an Annual (Summer) meeting here in Atlanta in 2015. Sarah Young will be the General Chair for the conference. Syoung@dlbassociates.com

It takes approximately 200 volunteers for the Education Sessions and Seminars alone. Volunteer Session monitors receive free registration for this service and can earn PDH points for any session attended. Contact Ben Coe bcoe@syska.com to volunteer as a monitor.

In addition, we will need staff for the ASHRAE Members Lounge and Spouse Lounge; for each of the Tours, in planning now, will require a Host Committee Member on each bus (contact Pam Immekus pam@leppardjohnson.com); and staff for a table in ASHRAE Registration for Hospitality to answer questions and to give out material on what the city has to offer including a list of churches, restaurants and attractions.

Below is the 2001 past Atlanta meeting committee. Past Atlanta meetings were held in 1978, 1984, 1990, 1996, 2001, and 2015. If you are interested in volunteering please contact pam@leppardjohnson.com or 678-221-5964.

2001 – Ben Leppard – General Chair
    Van Johnson – Vice Chair
    Barney Burroughs – Honorary Chair
    Ben Coe & Bruce Longino- Sessions
    John Shepherd – Tours
    Dewey Young – Entertainment
    Tom Kisgen – Welcome Party
    Bruce Hammock – Hospitality
    Pam Immekus – Information/Publicity

Pam Immekus
Historian Chair, Atlanta Chapter
pam@leppardjohnson.com
GT-UGA Spring Classic  
Tuesday, May 8 2017  
GT vs. UGA Baseball @ SunTrust Park  
(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 thru April 30th

$10 / ticket after April 30th

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 14th 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.

Amber Scales  
YEA Chair, Atlanta Chapter  
ascales@newcomb-boyd.com
PULL! Join us on **Friday, March 23rd**, for the return of ASHRAE Atlanta's **Sporting Clays Shooting Tournament**. The event will be held at Garland Mountain Sporting Clays in Waleska, GA. Gather your team of 4 and test your marksmanship against your fellow ASHRAE members!

Team registration includes one shotgun rental per participant, sporting clay targets, and ammunition. You may bring your own shotgun, if desired. Prizes will be awarded for the warm-up "Wild Bird" competition, the 1st Overall and Runner-up Individual Shooters, and the 1st Place Team.

The following sponsorships are available. Details for each are provided on the event registration website.

- Presenting Sponsor (includes **two** team registrations and much more!)
- Lunch Buffet Sponsor (includes team registration)
- Ammunition Sponsor (includes team registration)
- Golf Cart Sponsor
- Station Sponsors

We are currently accepting 20 team registrations for this event, so don’t wait to sign up your team and reserve your spot! Please contact Reed Coggins (rcoggins@newcomb-boyd.com) or Keven McCook (kmccook@fminet.com) with questions.

Garland Mountain Sporting Clays
2618 Garland Mountain Trail
Waleska, GA 30183

Registration and check-in opens at 8:30 am. All tournament participants are invited to compete in the "Wild Bird" warm-up competition prior to the main event.
As spring finally arrives, I encourage you to think about your ASHRAE membership and get the most out of it. We have our monthly meetings and seminars, golf outings, Red & Green Scene, Refrigeration night, and volunteer opportunities. Make the most of it. And if you’re not a member, but seem to come out for the events or get a benefit from the information and educational opportunities that ASHRAE has to offer, I encourage you to help us continue our valuable work and become a member. We would love to have you. The MP Team is here to help you to get the most out of your membership benefits such as:

• **Looking for a job?**
  Then go here: http://www.ashraeatlanta.org/JobOpportunities

• **Need technical support from peers?**
  Then go here: https://www.ashraexchange.org/forum.php?s=9d7bd3261c091332a077ea4b186b6852

• **Need to know about our government affairs towards the HVAC industry?**
  Then go here: https://www.ashrae.org/government-affairs/grassroots-government-activities

There are many other benefits that can help you thrive such as networking. Get your bang on the buck and use them today.

And most importantly, thanks to our new members of 2017!

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**Brendan Gardes**  
MP Chair, Atlanta Chapter  
[membership@ashraeatlanta.org](mailto:membership@ashraeatlanta.org)
2017 Online Course Series:

- $284 non-member / $219 member (Two-part courses: $484 non-member / $359 member)
- Earn 3-6 PDHs
- See course listing
- Register five or more and Save!

Register Today for ASHRAE’s 2017 Online Course Series.

HVAC Design and Operation Training:

- 3 courses, 7 days of instruction
- Improving Existing Building Operation $599 non-member / $499 member
- Level I - Essentials $1,264 non-member / $1,009 member
- Level II - Applications $854 non-member / $699 member
- World-wide HVAC training available, view training schedule
- Register early and Save!
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 sponsor:

Rainwater is a Resource

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

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

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
How to Join ASHRAE

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/](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.
Chapter Officers

2017-2018 Chapter Officers

Michael Dudley – Vice President
vicepresident@ashraeatlanta.org

Bio coming Soon

Irvin Sierra – Treasurer
treasurer@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.

Parker Brunelle – Secretary
secretary@ashraeatlanta.org

Parker is currently a Mechanical Sales Engineer with Joe Powell and Associates for North Georgia. He received his Bachelor of Science degree in Mechanical Engineering from Florida State University in Tallahassee, FL. Prior to Parker’s professional engineering career, he played professional baseball in the Boston Red Sox organization. He started his professional engineering career as a consulting engineer in the Nuclear Power generation field. In 2015, Parker changed fields to the HVAC sales engineering field with JPA. He has been a member of the Atlanta ASHRAE Chapter for two years and has been the YEA chair for the past two years, 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 opportunities.

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