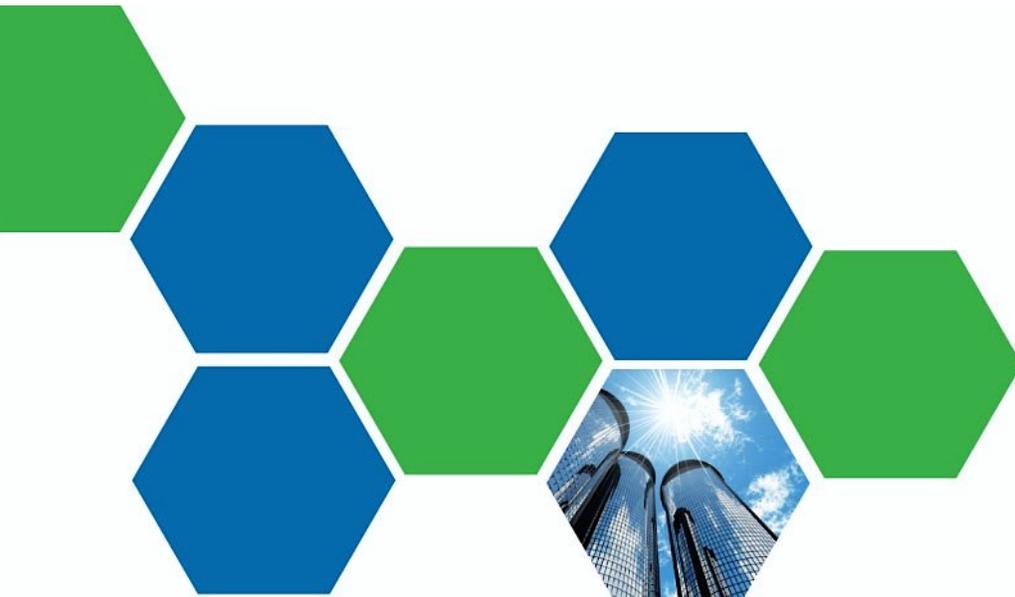


August Newsletter 2015

ASHRAE Atlanta Chapter



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UPCOMING IMPORTANT DATES

September Chapter Meeting.....	September 15, 2015
Georgia Geothermal Workshop.....	September 24, 2015
YEA Habitat for Humanity Build.....	October 24, 2015



August 2015

I'm excited to welcome everyone back to another great year of programs and events for the Atlanta ASHRAE Chapter. We plan to have chapter meetings every month except December when we will co-host our annual Christmas party with AIA and USGBC. We also plan to have 2 golf tournaments, one in the fall and one in the spring (more details to follow) along with numerous other events.

Most of the Chapter activities take a break during the summer months but one regional event still occurs. The Atlanta Chapter Board of Governors went to Raleigh, NC August 6th through the 8th for ASHRAE's Region IV Chapter Regional Conference (CRC). During this conference, we reviewed this past year's region's performance and our leaders were trained for the upcoming year. The other function of this meeting is to present the yearly awards to the chapters. Some of these awards are national awards while some are region specific. In a hard fought race the Atlanta chapter just fell short of winning the top prize, the Rudy Ferguson Award. The Rudy is equivalent to the Chapter of the year. Congratulations to our past president, Brian Justice for the great work he did last year with the Chapter. His dedication and commitment to the chapter is appreciated.

On another exciting note, next year's CRC will be hosted by the Atlanta Chapter and will be held at Lake Lanier. There will be more information to follow about the activities and sponsorship opportunities. This is a great time to meet and interact with other ASHRAE members from around our region. If you are interested reach out to Brian Justice.

One of my priorities for the year is to get more ASHRAE members active in the day-to-day chapter operations. There are a lot of ways to participate in the chapter. Most people focus on the chapter meetings and RP events but there are exciting opportunities behind the scenes. Along with the board of Governors, there are numerous committees that help the chapter run. If you would like to volunteer, feel free to reach out to me and I will find a spot for you.

I look forward to seeing you on Tuesday, September 15th at ASHRAE headquarters for lunch at our first meeting! Go to ashraeatlanta.org to register now.



John Pruitt

Atlanta Chapter President 2015-2016

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

Chapter Calendar



2015

September

Sept 15, 2015 – Chapter Lunch Meeting

Sept. 24, 2015 – Geothermal Workshop

October

Oct. 13, 2015 – Chapter Meeting

Oct. 24, 2015 – YEA Habitat Build

November

Nov. 6-8, 2015 – YEA Technical Weekend

Nov. 10, 2015 – Chapter Meeting

December

TBD – Red & Green Scene Holiday Event



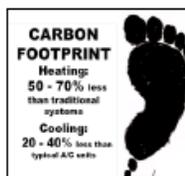
Georgia Geothermal Workshop

September 24, 2015

The American Ground Water Trust is holding a workshop at the ASHRAE headquarters in Atlanta. A discount price of \$175 vs. \$200 has been extended to our membership. If you would like to attend, please visit www.agwt.org/events to register, or for more info visit <http://www.ashraeatlanta.org/event-2033631>.

If you have any questions contact Andrew stone at astone@agwt.org with the American Ground Water Trust.

GEORGIA GEOTHERMAL WORKSHOP HEATING AND COOLING



“Geothermal heat pump systems are the most energy efficient, environmentally friendly, clean and cost-effective space conditioning systems”
US Environmental Protection Agency

Georgia Ground-source Heating & Cooling Workshop, Thursday September 24th, 2015
8:00am to 4:45pm
ASHRAE HQ Building, 1791 Tullie Circle, Atlanta, GA 30329

WHO SHOULD ATTEND?

This program is geared to potential end-users and to professionals who design, install, inspect, maintain, approve, recommend or regulate geothermal systems. Geothermal is the technology of choice among energy conscious home buyers and commercial property owners considering “green energy” options for commercial or residential installations. Don’t miss the opportunity to get up to speed with this technology

CONTINUING EDUCATION CREDIT
ARCHITECT CREDITS – 7.25 LUS (FOR HSW) COURSE GS1405-H
THRU AMERICAN INST. OF ARCHITECTS (PROVIDER #G521)
IGSHPA ACCREDITED INSTALLERS – 0.75 CEU's

Workshop Convened by: *American Ground Water Trust* 501(c)(3) Education Organization

topics will include:

- Costs and benefits of geothermal
- Federal and state financial incentives
- LEED and net-zero design
- Sustainability, the environment, and geothermal
- Market perspectives: Residential / Commercial
- Bore design for groundwater protection
- System design to maximize efficiency
- Drilling methods and thermally enhanced grout
- Computer-based geothermal designs
- Redesign/ improvement of existing installations
- Optimization using Variable Frequency Drives
- Geothermal case studies



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Georgia Geothermal Workshop

September 24, 2015

GEOHERMAL PROGRAM -- REGISTRATION FORM

Thursday September 24th, 2015 - ASHRAE HQ Building, 1791 Tullie Circle, Atlanta, GA 30329

- Registration **\$ 200**
- Registration (AGWT Members, Government) **\$175**
- Registration (Full-time HVAC/ engineering architect student; ID required) **\$ 90**
- Download of presentations (post-event) (\$75 for non-Registrants) **\$ 30**
- Exhibit Table (does not include registration) **\$ 200**

Register on-line
www.agwt.org/events

[Walk-in registration (on day of event) \$230] **TOTAL \$** _____

PAYMENT: Check [payable to: American Ground Water Trust]
 AMEX Visa MasterCard PO

Credit Card or PO No. _____ Expiration _____

Cardholder Name _____

Registration Name _____

Title/Position _____

Company/ Organization _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____ E-Mail _____

SPONSORSHIP & EXHIBITS
Showcase company achievements, expertise, projects, products & services
Call 800 423-7748 or visit web-site

See web-site for cancellation refund policy

Return by mail: American Ground Water Trust, 50 Pleasant Street, Concord, NH 03301
Return by fax: (603) 228-6557 Call to register (800) 423-7748 Register on line <http://www.agwt.org/events>

Geothermal is alive and well and growing as the technology of choice for heating and cooling of residential, commercial, church and industrial buildings in Texas. This workshop brings the industry's top geothermal experts from design, manufacture and installation to focus on the market potential for the technology. Take the time to attend this workshop and get the state-of-the-art update. Meet with industry leaders and experts who will answer your questions about the economics and benefits of installing geothermal in your building as retrofit or new installation.

SPONSORS of American Ground Water Trust 2015 Geothermal Workshops



BOSCH



Preferred Pump



In cooperation with:
International Ground Source Heat Pump Association



September Chapter Meeting Notice

Tuesday, September 15, 2015 @ 11:30 AM

Building Controls: Smart Building Tools

September Lunch Meeting

David Quirk, P.E., LEED AP, CEM.

Mr. Quirk is Vice President and Principal at DLB Associates where he is responsible for program management of technology integration, energy, and design efforts for various industries. He was formerly a Principal Engineer with Verizon Wireless Network Organization where he was responsible for the development and administration of standards for the design, construction, and operation of their core infrastructure nationwide.

He is a current voting member of SPC90.4 – Energy Standard for Data Centers, and the Past Chair of ASHRAE TC9.9 – Mission Critical Facilities, Data Centers, Technology Spaces, and Electronic Equipment. David has been a past voting member on NFPA76 and NFPA75, as well as the Task Group leader for various research projects and NFPA Standards updates for data centers and telecommunications buildings.



Chapter Meeting Announcement *cont.*

September Lunch Meeting Details



Lunch Meeting: 11:30 AM –1:00 PM

Speakers: David Quirk, P.E., LEED AP, CEM
DLB Associates

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

Cost: \$10.00 Members / \$20.00 Non Members RSVP

RSVP: You **MUST** RSVP if you plan to attend the meeting.
Please email secretary@ashraatlanta.org. Also, you can prepay and RSVP at <http://www.ashraatlanta.org/Events>. This helps the chapter accurately order food from the catering company.

Description:

Building Controls: Smart Building Tools

High performance buildings are achieved through a combination of proper planning, system design, implementation, commissioning, and operation. It requires the proper interpretation, application, and implementation of technologies and the process as a whole.

A building controls system can be among the most economical and easily implemented energy efficiency strategy in high-performance buildings. The proper interpretation and implementation of control sequences makes all the difference in high performance. You will emerge from this session with a clear grasp of control system performance features, consequently ensuring an efficient, cost-effective system that maximizes energy savings and boosts efficiency throughout a high-performance building.

Learning Objectives

- Review essential controls strategies that every high-performance building should have in place
- Understand higher level control system functions and how they can benefit the sustainable aspects of a facility
- Learn how controls contribute to energy savings and sustainability



YEA Habitat for Humanity Build



October 24, 2015

7:30 am to 3:30 pm

Build location: TBD

Help Build Houses of Hope

At Habitat for Humanity, we build. We build because we believe that everyone, everywhere, should have a healthy, affordable place to call home. More than building homes, we build communities, we build hope and we build the opportunity for families to help themselves.

YEA Technical Weekend

November 6-8, 2015

Atlanta, GA



The YEA Technical Weekend event will be held in Atlanta, GA from November 6-8, 2015. It will go over Basics of High-Performance Building Design/Understanding Standard 189.1-2011 for High Performance Green Buildings and Advanced High-Performance Building Design. Also, there will be a High Performance Building tour at GTech's LEED Platinum "G. Wayne Clough Undergraduate Learning Commons". Earn 6 PDHs over the course of the weekend.

Go to www.ashrae.org/YTW to learn more



Member Promotion (MP)

August 2015

Well, the hot weather season is on and we may be roasting during daytime but that's ok as long as our home HVAC's keep things cool n' comfy for us at nighttime's. Anyway I hope you are thriving in whatever your business that might be. Well, 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.

New Members!

Let's give a warm welcome and say hello to the following members:

Mr. Thomas A. Beal

Mr. Rodger Arlan Rose

Ms. Abby Francisco

Mr. Victor Huffman

Mr. Charlie Cope

Mr. Peter Hansen

Mr. Alex Omar Aponte

Mr. William Rice

Mr. Stanley L. King

Mr. Bradley L. Grejtak

Mr. Anthony Allgood

Mr. Ross Campbell

Mr. Michael Schulze Greiving

Mr. David Keener

Mr. Harun Rashid Biswas

Mr. Stephen Edward Sullens

Mr. Michael Fischer

Mr. Frank N. Fincher

Mr. Hunter Austin Cheek

Dr. Rajat Ghosh

Mr. Dustin Smith

Mr. Wiley Kenneth Wall

Mr. Michael Allen Rabun

Mr. Michael A. Stover

Mr. Jeffrey Keith Morgan

Michael Agodoa

Mr. Mark D. Fick

A brief note:

A sincere warm salute to all members specially to the Retired and Life Members which paved the way for our success. I welcome your feedback, so send me an e-mail note about any help that you might need with your membership to keep you on the right track.

Ok, back to work. See you in September!

Pedro Pacheco

MP Chair Atlanta Chapter

ASHRAE Atlanta Chapter

membership@ashraeatlanta.org

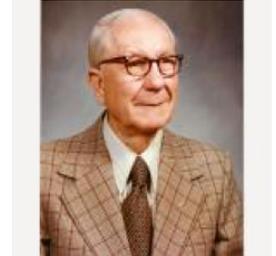
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History Notes: August 2015

Jasper Guy Woodroof

Dr. Jasper Guy Woodroof was our very first Director of Region (DRC) for the Region of ASRE and a founding director after the merger in 1959 as ASHRAE.



Jasper was born on May 23, 1900, on a farm near Mountville, Georgia in Meriwether County. He attended the University of Georgia where he had intended to take a one year course in farming when he was drafted into the Army in 1917. He was discharged in 1918 when the First World War ended.

Jasper resumed his studies at UGA where a professor there encouraged him to enroll as a full time student in lieu of the one year agricultural course he had intended to take. He graduated with a B.S.A in Horticulture in 1922 and was employed by the Georgia Experiment Station in Griffin, an extension of UGA, as a horticulturalist. He also began his studies for an M.S.A. which he received in 1926. He continued his studies at Michigan State College of Agriculture and at the University of California by taking short leaves from work at the Station and received his Ph.D. in 1932.

At the age of 33, he became the State of Georgia's youngest college president for a new college in Tifton, Ga. The Abraham Baldwin Agricultural College which became known for its strong agricultural program under his influence. This college later became the Division of Food Science at the University of Georgia, with Dr. Woodruff as its first chair. Under his leadership the division granted its first B.S. Degree in Food Technology in 1944, its first M.S. in 1948 and its first Ph.D. in 1958. Jasper retired for UGA in 1967.

He also became a horticulturalist with the U.S. Resettlement Administration in 1935 as part of President Franklin D. Roosevelt's New Deal giving assistance to families who had lost everything during the depression. He helped resettle these farmers on available land and advised them on growing crops to earn an income. All while still Chair of UGA's Food Science Dept.

Woodroof returned to the Georgia Experiment Station in Griffin in 1938 to organize the Department of Food Technology to research programs for food preservation. Dr. Woodroof worked with Clarence Birdseye on methods of preserving frozen food and was instrumental in developing methods of dehydrating food used for the military during WWII. He wrote several books on the production and processing of such commodities as peanuts, coconuts and other tree nuts. He traveled the world to remote locations doing his studies advising farmers for the World Bank, the International Executive Service Corp and private companies. In 1987 his autobiography was published "Dreams of a Food Scientist" which we have a copy of in our Atlanta Chapter archives.

Dr. Woodroof was a Life Member of ASHRAE, a Fellow and Distinguished Service Award recipient. He passed away in November of 1998. Jasper was inducted into the ASHRAE Hall of Fame in 2006.



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:

December 1st for Undergraduate Engineering, Regional and University-specific Scholarships

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

!



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.ashraatlanta.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.ashraatlanta.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: <http://www.ashraatlanta.org/Default.aspx?pageId=748082>
4. Join the "ASHRAE Atlanta Chapter" group on LinkedIn at <http://www.linkedin.com/>.
5. Access the Product Directory online at the Atlanta ASHRAE website. Please note that this feature is in the process of being updated.



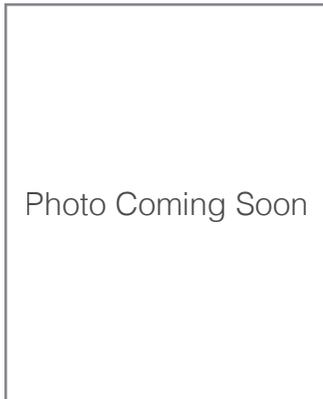
2015–2016 Chapter Officers



Nick Kassanis – Treasurer

treasurer@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 – Secretary

secretary@ashraeatlanta.org

Bio to follow



Browse Job Postings on Our Site

Did you know employers can post job opportunities on the Atlanta Chapter website for **FREE**?

As the professional society that serves as the major connection through all parts of the HVAC industry, it is important to the Atlanta ASHRAE Chapter to keep all members employed. Likewise, we are happy to assist employers in posting their job



Go to the following page on our site to browse the posted employment opportunities:

<http://ashraeatlanta.org/JobOpportunities>

A few of the most recent job postings:

- Product Manager, Commercial Products @ Mitsubishi Cooling & Heating
- Energy Modeler
- Project Specialist – Commercial
- UGA –FMD is Hiring Engineers



Irvin Sierra, 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