

Chapter Meeting November 9, 2016

Time:

10:00 - 11:00a.m. Tech Session
11:00 a.m. Registration Begins
11:30 - 1:00 p.m. Lunch Meeting

Location:

Season's 52 (North Park Mall,
next to Maggianos)
8687 N. Central Expressway
Dallas, TX 75225

Tech Session Topic:

Fixing the Great Indoors: HVAC
and Indoor Air Quality

Lunch Session Topic:

How Can Climate Change Impact
Indoor Air and Health?

Presenter:

Henry Slack,
U.S. Environmental Protection
Agency, ASHRAE Distinguished Lecturer

Letters to the Editor should be sent to
ermias.lamesgin@accurex.com

Message From the President



Happy November, fellow ASHRAE members! Can you believe there's less than 2 months left in the year? I do enjoy the fall weather that is happening now. With the economy not showing signs of slowing down, even with one of the most dynamic elections in our lifetime just days away, don't forget to get out there and enjoy it. Oh yeah, and don't forget to vote.

We want to acknowledge and give a big thanks all the annual sponsors for the year. Your contributions make ASHRAE research possible. You can view the sponsor levels and current companies that support ASHRAE on our website. While you are there, drop us a line, let us know what you think about the new website. And keep checking it as we will be adding more functionality throughout the year. Are you getting the chapter emails? If not, visit our website and get signed up.

We hope you enjoyed the accommodations at Seasons 52 last month. October's program on radiant heating and cooling systems shed light on a technology not widely embraced down in our neck of the woods but nonetheless a very comprehensive presentation. We hope you can join us for this month's meeting on November 9th. It will focus on Indoor Air Quality and our presenter will be Mr. Henry Slack with the EPA. As a reminder, don't forget, through December our meetings will be held at Seasons 52 just a few doors down from Maggiano's in North Park Mall. See our website for more information and to RSVP - <http://dallas-ashrae.org/calendar-2/>

If you missed our Top Golf Research Promotion fundraiser event on October 20th, we are giving you another chance to come out, enjoy this weather, fellowship with your colleagues and support ASHRAE. On November 3rd, we are doing it again and hope to see you there. You can register online or at the door.

As always let me know if there's anything I can do to make your ASHRAE experience a better one.

Blessings!



Matt Short
ASHRAE Dallas Chapter President
matt.short@acts29consulting.com

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DALLAS Chapter - Program Organizer

Date: Wednesday, November 9, 2016

Time: 9:45 AM Registration Begins
10:00-11:00 AM Tech Session
11:00 AM Registration Begins
11:30 – 1:00 PM Lunch Meeting

Location: Season's 52
8687 N. Central Expressway
Dallas, Texas 75225
Click the link below for directions
<http://goo.gl/maps/YOcBK>

On-line Reservations:
www.dallas-ashrae.org

Making reservations helps the
chapter keep expenses to a
minimum and ensures everyone
has a seat.

Upcoming Calendar of Events:

12/14/16:
Main Lunch Presentation: IECC
Code Updates by Josh Gentry,
Estes McClure
Tech Session Presentation: IECC
Code Updates by Brandon Damas,
HTS

Send suggestions for presentation topics
to Matt Lowe
matt.lowe@TexasAirSystems.com
President-Elect / Programs Chair



Lunch Presentation:

"How Can Climate Change Impact Indoor Air and Health?"

Topic Description:

Indoor environments can be significantly impacted by climate changes such as large increases or decreases in rainfall and snowfall, extremely high or low temperatures, and changes in the severity of storms. Increased rainfall may lead to increased risk of flooding and dampness indoors, and growth of mold indoors. Decreased rainfall or droughts may lead to wildfires that will create particulate air pollution that can seep indoors. Extreme temperatures and storms may drive people to stay indoors to protect themselves from the elements, and increase their use of heating, ventilation and air condition (HVAC) systems. The speaker will discuss these findings, which suggest methods by which engineers and architects can make our buildings more climate-ready.

Tech Presentation:

Fixing the Great Indoors: HVAC and Indoor Air Quality

Most of the time, we breathe without a thought, hundreds of times each hour – unless there's a problem. When something's wrong, it's due to pollutants, people, pathways, and pressure differences. The best solution often is to find the sources and control them, or fix the pathways and pressures. This presentation will focus on what goes wrong in our buildings that engineers can manage –intakes, dampers, filters, coils, drain pans, fans, and controls. Instead of testing, a visual inspection (walk-through) can identify many likely sources and pathways, which are often inexpensive to fix.

Presenter: Henry Slack, U.S. Environmental protection Agency, ASHRAE Distinguished Lecturer

Lunch Program with Online Reservations - \$25
Lunch Program without Online Reservations or after noon Monday (9/12) - \$35
Student Member Program - \$0
Technical Session & Lunch Program - \$25
Technical Session Only - \$0

Please consider the environment and conserving our planets resources before you print this document.



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Student Activities/YEA Event Calendar

September	<p>9/14 - YEA Happy Hour</p> <p>Location: BBC (2800 Routh Street, Dallas, TX 75201)</p> <p>Time: 5:30-7:30 pm</p> <p>Sponsor: Maggie Luttrell with Johnson Controls</p>
October	<p>10/12 - YEA Happy Hour</p> <p>Location: NA</p> <p>Time: NA</p> <p>Sponsor: NA</p>
November	<p>11/9 - YEA Happy Hour</p> <p>Location: BBC (2800 Routh Street, Dallas, TX 75201)</p> <p>Time: 5:30 – 7:30</p> <p>Sponsor: Ford Binning with McMillan James equipment company</p>
December	<p>12/14 - YEA Happy Hour</p> <p>Location: Not yet determined</p> <p>Time: Not yet determined</p> <p>Sponsor: Not yet determined</p>
January	<p>1/11 - YEA Happy Hour</p> <p>Location: Not yet determined</p> <p>Time: Not yet determined</p> <p>Sponsor: Not yet determined</p>
February	<p>2/8 - YEA Happy Hour</p> <p>Location: Not yet determined</p> <p>Time: Not yet determined</p> <p>Sponsor: Not yet determined</p>
March	<p>3/8 - YEA Happy Hour</p> <p>Location: Not yet determined</p> <p>Time: Not yet determined</p> <p>Sponsor: Not yet determined</p>
April	<p>4/12 - YEA Happy Hour</p> <p>Location: Not yet determined</p> <p>Time: Not yet determined</p>



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Student Activities/YEA Event Calendar

On behalf of the Dallas ASHRAE chapter we'd like to thank Mr. Tony Casagrande with Campos Engineering for supporting student activities by presenting at last month's UNT ASHRAE meeting. Without this type of involvement, we wouldn't be able to support, encourage, and guide the number of students that we currently do. We still need speakers of all backgrounds so please email Micheal Shackelford if you interested in speaking at a student organizational meeting.

Because of this important work our local ASHRAE student body is growing rapidly. We had a great presentation on 10/11 at the UNT campus. Our upcoming meeting at the UNT campus will host Mr. Steve Kelly representing Tech Plan, INC and presenting over "Technologies for Thermal management and controls optimizing of IT equipment in data center's". Topics like this help student gain an understanding of what kinds of roles they could play in the industry after graduation.

From our first UNT chapter meeting there was good support from several students who volunteered to participate in a S.T.E.M. activity with some local elementary schools. Now that funding has been approved, arrangements are being made to carry this event out. Anyone wishing to participate in a community outreach targeting 4th thru 6th grade children please contact Micheal Shackelford.

We would also like to encourage those who know student members or who are student members to visit the Dallas ASHRAE web page as well as the ASHRAE web page to apply for yearly scholarships and awards.

The Dallas ASHRAE chapter needs your help with garnishing student interests and promoting Dallas chapter activities. If you know of any students interested in being a member of a student led ASHRAE chapter or establishing an ASHRAE chapter please have them contact:

Micheal Shackelford (mshackelford@blumeng.com).

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Student Activities/YEA Event Calendar

Would you like to volunteer to support student activities on behalf of the Dallas ASHRAE chapter?

Here are some needed volunteer opportunities:

-Sponsors!!!! If there is anyone would like to sponsor a YEA event, or has any ideas as to where they would like to see the YEA Happy Hour hosted in the future, please let me know as we are open to suggestions and always looking for sponsors.

-Mentors!!!! Please email me if you are interested in being matched with a current engineering student to help him or her investigate a career in the HVAC industry. Mentors are needed to provide insight to young students regarding our industry as well as provide a bridge for those students interested to find a way into the HVAC field.

-Presenters!!!! If you have a particular field of expertise and enjoy public speaking I would love to have a conversation with you about opportunities to speak at a local university. Presenters are needed to provide both general overviews of AHRAE and what its function is, as well as more technically focused presentation over specific information within your field of knowledge

A big thanks to our YEA Happy hour November sponsor; FORD BINING with MCMILLAN JAMES EQUIPMENT company! Without your contributions, an efforts events wouldn't be nearly as enjoyable. The BOG would like to encourage all past an upcoming sponsor to let us know your thoughts on how sponsors can better benefit from being involved.

Don't miss out on the fun come on out, and enjoy a couple drinks, and some tantalizing conversation in support of all the Young Engineers in ASHRAE.

Until Next Time...



Micheal Shackelford

DALLAS ASHRAE Student Activities Chair

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GGAC Updates

ASHRAE PUBLISHES 2016 EDITION OF STANDARD 90.1, STARTING DOE REVIEW CLOCK LEADING TO STATE & FEDERAL UPDATE REQUIREMENTS

The 2016 edition of ANSI/ASHRAE/IES 90.1 Energy Efficiency Standard for Buildings Except Low-Rise Residential Buildings is out and ready for purchase at the ASHRAE Bookstore! While a significant achievement in its own right and a testimony to the hard work of our volunteers, the publication of this update also begins a key countdown for States.

Under the Energy Conservation and Production Act, as amended, after ASHRAE publishes an update to Standard 90.1, the US Department of Energy (DOE) has 12 months to review the update and issue a preliminary determination in the Federal Register whether the new model standard will improve energy efficiency in commercial buildings. DOE is expected to issue their preliminary determination in about six months, around April 2017. After receiving public comment on their preliminary determination, the Department will issue a final determination on Standard 90.1-2016, after which States will have up to two years to certify to DOE that they have reviewed and updated the energy efficiency provisions of their building codes to meet or exceed Standard 90.1-2016.

Apart from the State requirements, DOE will also conduct a similar, but separate process for updating the minimum energy efficiency requirements for Federal buildings. In all likelihood, these new requirements will be 30% below the levels established in Standard 90.1-2016.

Those interested in viewing a summary of the changes in 90.1-2016 can do so [here](#).

A wide variety of high-level and in-depth information on State commercial and residential building energy code adoption and compliance activities can be found [here](#).

NEW DEVELOPMENTS ON HFC AMENDMENT TO THE MONTREAL PROTOCOL

Leading up to the next round of negotiations on the Montreal Protocol in Kigali, Rwanda, leaders from more than 100 countries recently called for an amendment on HFCs, including an early “freeze date” for certain countries, and an ambitious phasedown schedule for others.

Concurrent with that announcement, a combination of governments and philanthropists pledged \$80 million to so-called Article 5 countries, who are in special need of assistance with the phasedown, with a focus on energy efficiency.

To view the joint statement on the amendment, please [click here](#).

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GGAC /Membership Promotion

ASHRAE SEEKS APPLICANTS FOR ENGINEERING & PUBLIC POLICY INTERNSHIP

Are you or do you know a college engineering student who is interesting in immersing themselves in a fun-filled nine-week summer program during which they will receive hands-on experience with how public policy and engineering interact? If so, then look no further than the Washington Internships for Students of Engineering (WISE) Program!

Founded in 1980 through the collaborative efforts of several professional engineering societies, WISE has become one of the premier Washington internship programs. Every year approximately 15 outstanding engineering students entering their final year of undergraduate study (or who have just graduated) are selected in a nation-wide competition. During the internship they learn how government officials make decisions on complex technological issues and how engineers can contribute to legislative and regulatory public policy decisions. The ASHRAE Government Affairs Office hosts an outstanding engineering student every summer through this program.

The 2017 WISE Program runs from June 4 to August 5. The deadline for applications is December 31, 2016 and competition is always high, so submit your application today! To download the application and find additional information, please click [here](#).

US CONFERENCE OF MAYORS ADOPTS ENERGY EFFICIENCY RESOLUTION

The US Conference of Mayors recently adopted a resolution in support of maintaining building energy codes the IECC 2015 level. The resolution, entitled "Moving America's Model Building Energy Code on a Path of Steady Efficiency Improvements Toward Net Zero" opposes the adoption of proposals that roll back the 2015 IECC's level of efficiency; and supports the adoption of the Energy Efficient Codes Coalition's Builder Flex Points proposal and its recommended 5% boost in efficiency for the 2018 IECC. Additionally the resolution encourages municipal support for all eligible code officials to attend these hearings and to vote in favor of continued and future efficiency gains for America's model energy code, the IECC.

MEMBERSHIP PROMOTION

This year's goal is to increase membership by 2%, or a net of 14 members. Last month we had 17 members join/reactivate their membership. We also had nine new student members join. We also had had 32 member cancellations, putting our net growth at -10. I would like to encourage each of our active members to continue bringing guest to our monthly meetings. But also reach out to those members who are not as active or just haven't been to a meeting in a while and invite them to the meetings/events.

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Dallas ASHRAE 2016-2017

Income/Expense Statement

2016-2017 Annual Budget	Budget	Actual	Percent of Budget
Current Balance 10/31/16		\$ 38,125.05	#DIV/0!
Income			
(1) - Chapter dues	\$ 18,000.00	\$ 6,520.00	36%
(2) - Regular Share Interest	\$ 1.00		0%
(3) - Meeting - meals, bar	\$ 27,000.00	\$ 5,250.15	19%
(4) - Roster sponsors	\$ 1,500.00	\$ -	0%
(5a) - Top Golf event	\$ 14,000.00	TBD	#VALUE!
(5b) - Golf tournament	\$ 30,000.00		0%
(5c) - Poker Tournament	\$ 5,000.00		0%
(5d) - Sporting Clay Shoot event	\$ 11,000.00	\$ -	0%
(6) - RP Events	\$ 1,500.00	\$ -	0%
(7) - PN Vinther Scholarship	\$ 5,000.00	\$ -	0%
(8) - Miscellaneous	\$ 100.00	\$ -	0%
Total Income	\$ 113,101.00	\$ 11,770.15	10%
Expense			
(9a) - Meetings - meals,bar,room	\$ 22,000.00	\$ 6,105.00	28%
(9b) - Meetings - audio/visual	\$ 500.00	\$ -	0%
(9c) - Non-Allocated D.L. (Travel Expenses)	\$ 1,000.00		0%
(10a) - Research Promotion - Matching Funds	\$ 5,000.00	\$ -	0%
(10b) - Research Promotion	\$ 30,000.00		0%
(11) - RP	\$ 300.00	\$ -	0%
(12a) - Seminar - Fall	\$ 400.00	\$ -	0%
(12b) - Seminar - Spring A28	\$ 400.00	\$ -	0%
(13) - Newsletter	\$ 399.00	\$ -	0%
(14) - Website	\$ 110.00	\$ -	0%
(15) - Miscellaneous	\$ 2,000.00	\$ 1,867.13	93%
(16a) - TopGolf	\$ 9,000.00	\$ 7,362.00	82%
(16b) - Refrigeration Tour	\$ 250.00	\$ -	0%
(16c) - Poker Tournament	\$ 3,900.00		0%
(16d) - Golf Tournament	\$ 14,000.00		0%
(16e) - Clay Shoot	\$ 9,500.00		0%
(17) - Winter Meeting Fund	\$ 1,500.00	\$ -	0%
(18) - Roster	\$ 650.00	\$ -	0%
(19) - Regional Dues/Award	\$ 2,800.00	\$ -	0%
(20a) - CPA Fees	\$ 625.00		0%
(21a) - USPS P.O. Box	\$ 450.00	\$ -	0%
(22) - Membership promotion	\$ 50.00	\$ -	0%
(23) - Student membership	\$ 400.00		0%
(24) - CRC representation	\$ 500.00	\$ -	0%
(25) - Student Activities	\$ 1,000.00	\$ 316.34	32%
(26) - Bank service charges/check printing	\$ 50.00		0%
(27) - Awards	\$ 400.00	\$ -	0%
(28a) - PN Vinther Scholarship	\$ 5,000.00	\$ -	0%
(28b) - Scholarships	\$ 2,000.00	\$ -	0%
Total Expense	\$ 114,184.00	\$ 15,650.47	14%

updated as of 9/5/14



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Dallas ASHRAE 2016-2017 Board of Governors

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Treasurer	Membership Promotion	Historian
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Research Promotion	Honors & Awards	Student Activities
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