

## Chapter Meeting March 08, 2017

### Time:

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

### Location:

Maggiano's North Park  
205 N. Park Center  
Dallas, TX 75225

**Tech Session Topic:**  
Direct Fired, High Temp, High  
Velocity Heating

**Lunch Session Topic:**  
Direct Fired, High Temp, High  
Velocity Heating

### Presenter:

Dave Binz,  
Cambridge Engineering,  
Application Engineering  
Manager

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

## Message From the President



**G**reetings, fellow ASHRAE members! Are you ready for Spring Break? For some, this means packing up the family truckster and head somewhere sunny and warm. For others, it may be a stay-cation. Regardless of your destination, I hope you all stay safe and enjoy some quality family-time.

We want to acknowledge and give a big THANKS to all the annual sponsors for this ASHRAE year. Your contributions make ASHRAE research possible. For every \$1, sevenfold returns to our Region in the form of research funds. You can view the sponsor levels and current companies that support ASHRAE on our website. If interested in learning more about our annual sponsorship packages (especially for this upcoming year) please contact Brandon Damas, our Research Promotion Chair.

With the Poker Tournament and the Texas ASHRAE Day on the Hill behind us we are approaching the home stretch in terms of annual events. Keep your eyes peeled and ears open for the last few – refrigeration tour, clay shoot and golf tournament. Ironically, this month we will be looking at some heating strategies during this unseasonably warm stretch. Practically speaking this is good for those that do work in less balmy, colder climates. Our profession is not limited by Region, or borders but international. Designing for any climate is what we do. Should be informative and comprehensive. Hope to see you there!

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



Chapter Meeting

### When

March 08, 2017  
11:30 AM - 1:00 PM

### Tickets

\$25.00 ASHRAE Members  
(\$10.00 Late fee)

\$25.00 Guest Ticket  
(\$10.00 Late fee)

\$10.00 Technical Session

Register before Tuesday, Mar 07, 2017  
to avoid late fees.

[Register Now](#)

### Directions

Maggiano's North Park  
205 N Park Center  
Dallas, TX 75225

[Get Directions](#)

### Presentation Outlines

#### **Presentation: Direct Fired, High Temp, High Velocity Heating**

We will learn how using direct fired, high temperature, high velocity, heating technology can not only show substantial energy savings for end users, but reduce installation costs, while at the same time improving Indoor Air Quality for building occupants. We will go over the science that makes HTHV heating work, why to use HTHV technology heating and what applications to apply it to a successful project.

9:45 AM TS Registration Begins

10:00 AM Tech Session

11:00 AM Registration Begins

11:30 – 1:00 PM Lunch Meeting

#### **Presenter: Dave Binz, Cambridge Engineering, Application Engineering Manager**

Dave is the Application Engineering Manager for Cambridge Engineering. Dave holds a Bachelor of Science in Chemical Engineering from the University of Notre Dame and has extensive experience in the High Efficiency HVAC market. He began his career with Carrier Corporation as a Sales Engineer serving the large commercial and Industrial market with engineered solutions. He joined Cambridge Engineering as a Regional Sales Manager and now travels North America speaking to engineers, building owners, and utilities on next generation heating and ventilation technologies.

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## Student Activities/YEA Event Calendar

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



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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 CamOn behalf of the Dallas ASHRAE chapter we'd like to thank Mr. Tony Cassegrande with Campos engineering, Mr. Ken Folk with Reed, Wells & Benson, Mr. Brandon Dammas with HTS for supporting student activities by attending last month's UNT ASHRAE meeting as guest industry representatives. 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: (mshackelford@blumeng.com) if you interested in speaking at a student organizational meeting.

Because of this important work our local ASHRAE student body has had a splendid start to their spring semester. Our round table discussion between student's & industry representatives February 21st at the UNT campus for Engineers week went well. The goal of the event was to help students & faculty better understand roles, requirements, and responsibilities of a wide range of positions offered in ASHRAE. We had about 70 students and faculty attend the event. The guided responses given by the industry guest panel, as mentioned above, came across as helpful and well timed given the engineering job fair was scheduled for the next day. If you have an interest in engaging students through this kind of platform, please email or notify myself or any Dallas chapter BOG member.

Several of our UNT students are interested in volunteering to participate in a S.T.E.M. activity with some local elementary schools. The Dallas ASHRAE chapter needs your help coordinating and carrying out this event. Anyone wishing to participate in a community outreach targeting 4th thru 6th grade children please contact: (mshackelford@blumeng.com).

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: (mshackelford@blumeng.com).

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## Student Activities/YEA Event Calendar

**W**ould 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 upcoming YEA Happy hour sponsors. Without your contributions and efforts events wouldn't be nearly as enjoyable. The BOG would like to encourage all past and upcoming sponsors to let us know your thoughts on how sponsors can better benefit from being involved. Please forward any questions or comments to: ( [mshackelford@blumeng.com](mailto:mshackelford@blumeng.com) )

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
<b>Current Balance 10/31/16</b>		\$ 38,125.05	#DIV/0!
<b>Income</b>			
(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%
<b>Total Income</b>	<b>\$ 113,101.00</b>	<b>\$ 11,770.15</b>	<b>10%</b>
<b>Expense</b>			
(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%
<b>Total Expense</b>	<b>\$ 114,184.00</b>	<b>\$ 15,650.47</b>	<b>14%</b>

updated as of 9/5/14





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# Dallas ASHRAE 2016-2017

## Board of Governors

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Research Promotion	Honors & Awards	Student Activities
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Refrigeration	Co-Grassroots Gov't. Activities	Webmaster
Sid Stockdale Carrier Enterprise 2000 Luna Road Carrollton, TX 75006 Phone: 972.281.6748 Mobile: 817.253.5266 <a href="mailto:sid.stockdale@carrierenterprise.com">sid.stockdale@carrierenterprise.com</a>	Maggie Luttrell Johnson Controls 3021 West Bend Dr. Irving, TX 75063 Phone: 972.868.3678 Mobile: 214.796.3563 <a href="mailto:maggie.m.luttrell@jci.com">maggie.m.luttrell@jci.com</a>	Pam Duffy Lennox International 2140 Lake Park Boulevard Richardson, TX 75080 Phone: 972.497.7791 Mobile: 404.434.8793 <a href="mailto:pamela.duffy@lennoxind.com">pamela.duffy@lennoxind.com</a>
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