

Chapter Meeting December 11th, 2017

Time:

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

Location:

Maggiano's Little Italy
205 N Park Center
Dallas, TX 75225

<https://goo.gl/maps/oJynfo6R1Jq>

Lunch Session Topic: Condensing Boilers

Presenter:

Chris Haas

Chris Haas graduated from Western Michigan university and is a 28 year veteran of the boiler and water heater industry. Chris is a long standing member of both ASPE/ASHRAE and has worked for many leading manufacturer's throughout his career including Lochinvar, A.O.Smith, ACV, and Viessmann.

Letters to the Editor should be sent to
editor@dallas-ashrae.org

Message From the President



efforts.

This past month we had to deal with some controversy over a meeting presentation. Even so, I am excited about the enthusiasm and the responsiveness of several members who have dedicated their time to not only review and comment, but also to focus their efforts to find a new speaker at the last minute. The Dallas chapter of ASHRAE is very blessed to have so many individuals dedicated to keeping the chapter functioning, being a completely volunteer organization. We also appreciate those willing to come and present on topics to the chapter. We view this platform as one of education and will strive to keep the chapter presentations focused on those

In the topic of learning and education this month, I want to highlight the e-learning section of the website (<https://elearning.ashrae.org/>). In this section, you can purchase courses and documents that can help you obtain PDH hours if you are in need of those. As well, the documents in this section can aid and assist those striving to develop a specific area of expertise from Energy Efficiency to Indoor Air Quality. Take some time to browse the topics. I bet you will find one that piques your interest.

Finally, I'd like to wish you and yours all of the joy & blessings of the Christmas Holiday season.

Regards,

MATT LOWE
President
Dallas ASHRAE



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DALLAS Chapter - Program Organizer



December Chapter Meeting

WHEN

December 11, 2017
11:30 AM - 1:00 PM

TICKETS

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

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

Register before Sunday, Dec 10,
2017 to avoid late fees.

VENUE

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

Please join us for our monthly meeting of the membership. Each meeting begins with a short networking period, followed by introductions and chapter announcements. The technical presentation is the main portion of the meeting.

This month's topics:

- **Main Presentation:** Condensing Boilers
 - Check-in Begins: 11:00 AM
 - Tech Session: 11:30 AM to 1:00 PM
 - **Presentation Description:**
discussion on the science behind condensing boilers and how combustion and system design influence the condensing efficiency of today's modular and condensing products.

Presenter Bio:

Chris Haas graduated from Western Michigan university and is a 28 year veteran of the boiler and water heater industry. Chris is a long standing member of both ASPE/ASHRAE and has worked for many leading manufacturers throughout his career including Lochinvar, A.O.Smith, ACV, and Viessmann.



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Student Activities/YEA Event Calendar

YEA AND STUDENT ACTIVITIES CALENDAR

September	<p>9/12 - UNT Student Chapter Meeting Topic: Cooling Towers - Scotty MacLaughlin, Timberlake & Dickson Location: ETEC Conference Room Time: 6-7PM</p> <p>9/20 – YEA Happy Hour Location: The Rustic (3636 Howell St., Dallas, TX 75204) Time: 5-7PM Sponsor: Bartos – Kevin Truong</p>
October	<p>10/11 – YEA Happy Hour Location: Katy Trail Ice House (3127 Routh St., Dallas, TX 75201) Time: 5-7 PM Sponsor: Victaulic - Charles Crawford</p>
November	<p>11/3 - Titus Student Tour Location: 605 Shiloh Rd, Plano, TX 75074 Time: 1:30pm</p> <p>11/8 – YEA Happy Hour Location: Happiest Hour (2616 Olive St. Dallas, TX 75201) Time: 5-7 PM Sponsor: Pottorff - Daniel Benton</p>
December	<p>12/5 - UNT Student Chapter Meeting Topic: VRF and VRV Technologies Location: UNT Campus Engineering Building - Room B155 Time: 6 - 7PM</p> <p>12/20 – YEA Happy Hour Location: HIDE (2816 Elm St. Dallas, TX 75226) Time: 5-7 PM Sponsor: IMI Flow Design - Bob Warnell</p>
January	<p>1/10 – YEA Happy Hour Location: TBD Time: 5-7 PM Sponsor: McMillan James Equipment Company - Ford Binning</p>
February	<p>TBD – YEA Happy Hour and Tour Location: TBD Time: TBD Sponsor: Texas Air Systems/York</p>
March	<p>3/14 – YEA Happy Hour Location: TBD Time: TBD Sponsor: TBD</p>
April	<p>4/11 – YEA Happy Hour Location: TBD Time: TBD Sponsor: TBD</p>
May	<p>5/9 – YEA Happy Hour Location: TBD Time: TBD Sponsor: TBD</p>



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STUDENT ACTIVITIES UPDATE

Fellow ASHRAE members, thank you for reading this week's newsletter! Titus hosted our student and YEA members for a tour of their design labs, which included critical environment systems, underfloor air distribution, stratified displacement system, and a 3D virtual presentation. The tour resulted in a lot of positive feedback and compliments from attendees. We'd like to thank Titus for taking the time to show our students and young engineers how HVAC equipment is used in different applications.



For the November meeting, the UNT Student Chapter hosted Jake Crain from Engineered Air to learn about RTU Customization and how a variety of building applications will determine the size and components of an RTU. Jake was very knowledgeable and brought an excellent presentation - explaining, in depth, each of the options to consider for an RTU. Big thanks to Jake Crain for volunteering his time!



The UNT Student Chapter's next meeting will be on Tuesday, December 5th on campus in the Engineering Building - Room B155 at 6:00pm. Our guest speaker will be Scott McGinnis from Direct Expansion Solutions, speaking on VRF and VRV Technologies! If you have any questions regarding the meeting, please contact me or the student chapter president, Kyle (mcdougal.kyle@gmail.com).

Thank you,



Joseph Guerra (jguerra@purdy-mcguire.com)
Student Activities Chair

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YEA Update

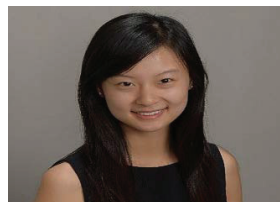
Hi Fellow ASHRAE members! I want to thank Daniel Benton with Pottorff for sponsoring November's YEA happy hour at Happiest Hour. It was the best turnout we had this year! Around 30 young professionals came together to network and eat way too many nachos. If you have not heard Amy Zhang and Nick Janssen have both taken on additional roles to help support our ASHRAE chapter! Amy is now our social media chair and Nick is the new website coordinator. Please join me in thanking them for their continued support and effort to help make the Dallas ASHRAE chapter the best it has been. They have been tremendous help to me and I know they will continue to drive the success of the Dallas ASHRAE chapter in their new roles.

December's Happy Hour will be at a new location this month! It will be at HIDE located in Deep Ellum. HIDE was recently ranked the top new bar in Dallas and I am looking forward to seeing what they have to offer. It will be sponsored by IMI Flow Design. So, please come join me and our fellow ASHRAE members at happy hour December 13th in Deep Ellum. Also, on another note February's happy hour will include a tour of the mechanical systems for Bank of America tower downtown. We will not be having this on the second Wednesday of the month because it is Valentine's day. Stay tuned for the date and time of this event! I look forward to seeing everyone soon!

Respectfully,



Eric Borders
Dallas ASHRAE YEA Chair and Student Activities Co-Chair



Amy Zhang
Dallas ASHRAE YEA Co-Chair and Social Media Chair



Nick Janssen
Dallas ASHRAE YEA Co-Chair and Website Coordinator



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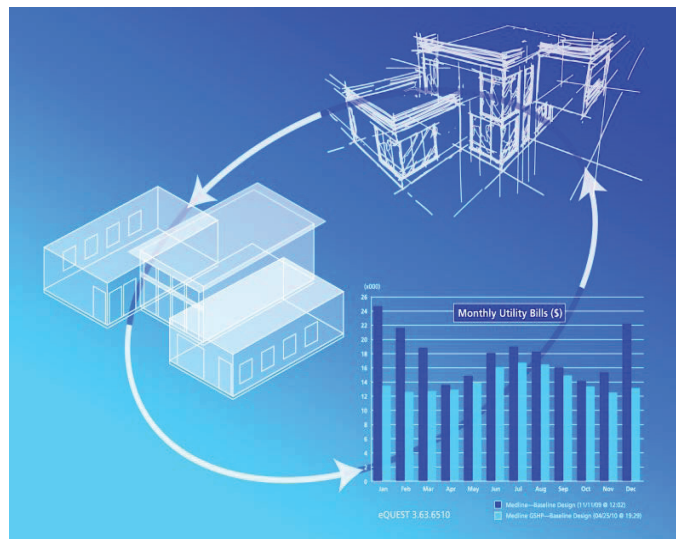
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NOTEWORTHY

Seventhwave Offers Free Energy Analysis Tools

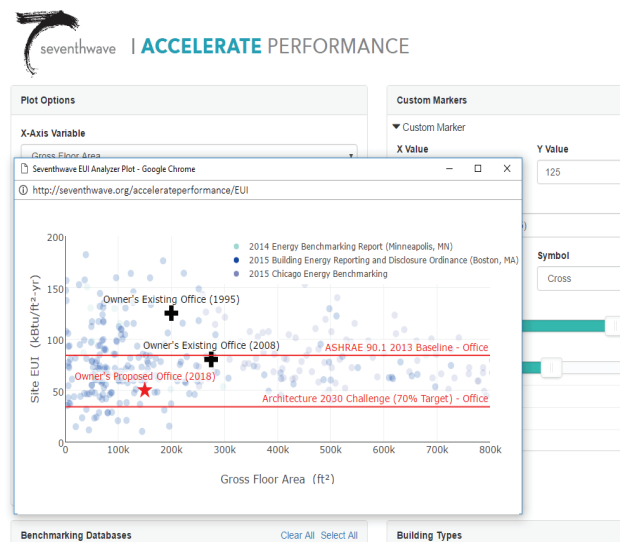


Seventhwave, the nonprofit high performance building design think tank, has recently released several energy analysis tools online for free. These tools and resources gauge the impact of design decisions and set realistic energy performance goals.

EUI Analyzer

Start setting measurable EUI goals for your next project. The EUI Analyzer assists building owners and design teams in the planning or pre-design phase for new construction and major renovation projects.

The tool takes publicly available city benchmarking data and processes it into a user-friendly format. It offers flexibility to filter the data in a variety of ways including building type, size and year built, and it displays the resulting filtered data onto a customizable plot. Multiple benchmarking databases can be viewed and filtered to compare data across different cities. Users are also able to download the filtered benchmarking data to a CSV spreadsheet for further customization.



Climate Resiliency Toolkit

Buildings are designed, constructed and operated in a world affected by climate change. How do you design buildings today that are equipped to handle the expected increase in temperature and extreme weather events of the future?



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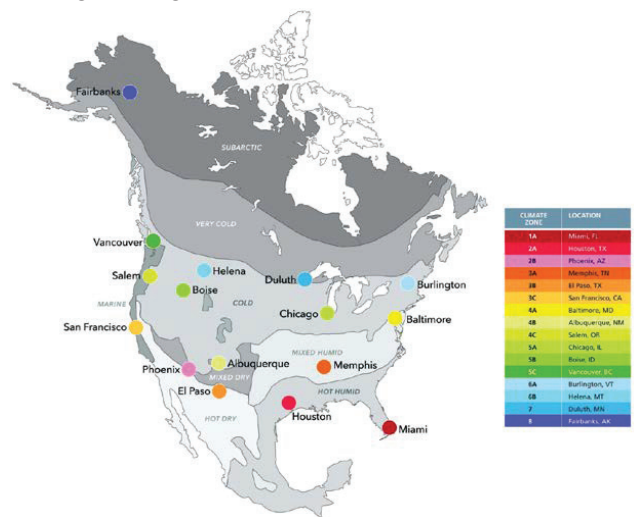
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NOTEWORTHY

Energy simulation is a commonly used method for estimating building energy consumption, peak demands and energy cost. Mainstream building simulation practices do not incorporate future climate predictions in building energy analysis. Instead, the industry uses climate data of the past to design buildings of the future.

To enable architects and engineers to make well informed decisions to increase resilience, Seventhwave has developed future climate datasets that are available to download and incorporate into your energy modeling software. Data is available for 16 locations representing the major North American climate zones. Seventhwave has also included a case study that outlines the process for including the data in your next analysis.



Back-of-the-Envelope Calculator

When it comes to building energy consumption, nearly everything affects everything.

This Back-of-the-Envelope Calculator is a learning tool that allows anyone to interact with a building as an energy system. With the calculator, someone can view real-time energy connections between building components, isolate the effects of changing a single energy parameter or produce concept-level energy and CO₂ emissions estimates.

What happens to cooling costs if roof insulation is doubled? How much does it cost to keep a building open longer? Does lighting efficiency also affect heating energy? Play with Seventhwave's Back-of-the-Envelope Calculator to explore expected outcomes of design and management decisions.

Access these tools and others at www.seventhwave.org/tools.

Seventhwave's mission is to inspire real and lasting change that advances economic and environmental sustainability. Seventhwave works with hundreds of building owners and design teams every year through utility energy efficiency new construction programs, provides sustainable design consultation for projects with aggressive energy reduction goals, trains thousands of professionals annually through workshops and webinars and researches cutting-edge and emerging building systems and technologies.

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Dallas ASHRAE 2017-2018

Income/Expense Statement

Current Account Balance 11/30/17		\$ 27,570.06
2017-2018 Annual Budget	Budget	Recorded
Income		
(1) - Chapter dues	\$ 18,000.00	\$ 8,040.00
(2) - Regular Share Interest	\$ 1.00	\$ -
(3) - Meeting - meals, bar	\$ 27,000.00	\$ 9,226.66
(4) - RP sponsorship	\$ 150.00	\$ -
(5b) - Golf tournament	\$ 36,500.00	\$ 6,916.18
(5c) - Poker Tournament	\$ 5,000.00	\$ -
(5d) - Sporting Clay Shoot event	\$ 11,000.00	\$ -
(6) - RP Events	\$ 1,500.00	\$ -
(7) - PN Vinther Scholarship	\$ 5,000.00	\$ -
(8) - Miscellaneous	\$ 100.00	\$ -
Total Income	\$ 99,251.00	\$ 24,182.84
Expense		
(9a) - Meetings - meals, bar, room	\$ 22,000.00	\$ 7,868.82
(9b) - Meetings - audio/visual	\$ 500.00	\$ -
(9c) - Non-Allocated D.L. (Travel Expenses)	\$ 1,000.00	\$ -
(10a) - Research Promotion - Matching Funds	\$ 5,000.00	\$ -
(10b) - Research Promotion	\$ 30,000.00	\$ -
(11) Women in ASHRAE	\$ 300.00	\$ -
(12a) - Seminar - Fall	\$ 400.00	\$ -
(12b) - Seminar - Spring A28	\$ 400.00	\$ -
(13a) Star Chapter/constant contact	\$ 100.00	\$ -
(13) - Newsletter	\$ 50.00	\$ -
(14) - Website	\$ 110.00	\$ -
(15) - Miscellaneous	\$ 500.00	\$ 2,261.80
(16b) - Refrigeration Tour	\$ 250.00	\$ -
(16c) - Poker Tournament	\$ 3,900.00	\$ -
(16d) - Golf Tournament	\$ 14,000.00	\$ 4,490.00
(16e) - Clay Shoot	\$ 9,500.00	\$ -
(17) - Winter Meeting Fund	\$ 1,500.00	\$ -
(18) - Roster	\$ 650.00	\$ -
(19) - Regional Dues/Award	\$ 2,800.00	\$ -
(20a) - CPA Fees	\$ 625.00	\$ -
(21a) - USPS P.O. Box	\$ 450.00	\$ -
(22) - Membership promotion	\$ 50.00	\$ -
(23) - Student membership	\$ 400.00	\$ -
(24) - CRC representation	\$ 500.00	\$ -
(25) - Student Activities	\$ 1,000.00	\$ 402.91
(26) - Bank service charges/check printing	\$ 50.00	\$ 46.12
(27) - Awards	\$ 400.00	\$ -
(28a) - PN Vinther Scholarship	\$ 5,000.00	\$ 5,000.00
(28b) - Scholarships	\$ 2,000.00	\$ -
Total Expense	\$ 98,435.00	\$ 20,069.65
ENDING BALANCE	\$ 816.00	\$ 4,113.19



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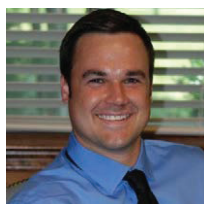
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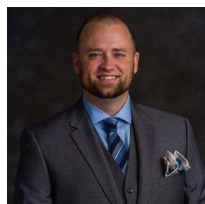
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ASHRAE Board of Governors and Chairs



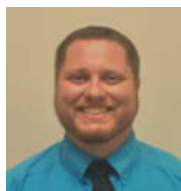
President
Matt Lowe
president@dallas-ashrae.org



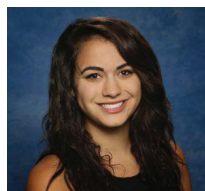
President Elect / Programs Chair
Brandon Scharn
presidentelect@dallas-ashrae.org



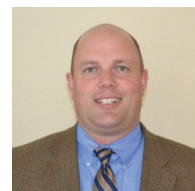
Secretary
Ermias Lamesgin
secretary@dallas-ashrae.org



Treasurer
Michael Shackelford
treasurer@dallas-ashrae.org



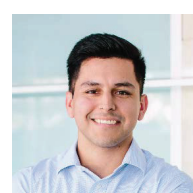
Membership Promotion Chair
Sonalie Johnson
membership@dallas-ashrae.org



Research Promotion Chair
Daniel Wine
research@dallas-ashrae.org



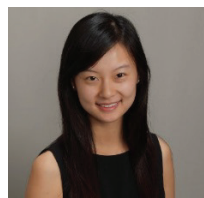
Young Engineers in ASHRAE (YEA) Chair
Eric Borders
YEA@dallas-ashrae.org



Student Activities Chair
Joseph Guerra
studentactivities@dallas-ashrae.org



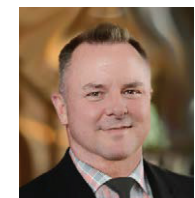
Women in ASHRAE
Pamela Duffy, PE
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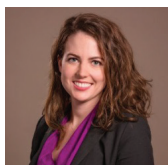
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