



Central Oklahoma Chapter

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www.ashrae.org
www.ashraecok.org



Sou'Wester

Monthly Newsletter of the Central Oklahoma Chapter

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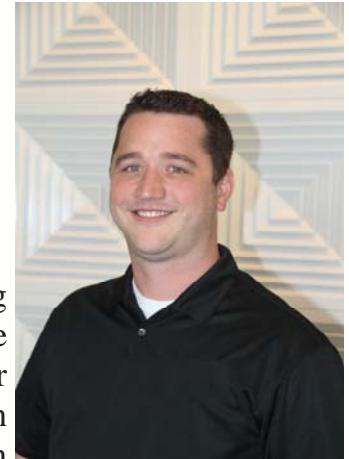
UPCOMING EVENTS

- January Chapter Meeting (Night Meeting)
January 7, 6:00pm Meeting
3rd Floor Retail Space of 50 Penn Place
Variable Refrigerant Flow & ASHRAE 15
- February Chapter Meeting
February 4, 11:30am Meeting
3rd Floor Retail Space of 50 Penn Place
ASHRAE bEQ, with Distinguished Lecturer
- March Chapter Meeting
March 4, 6:00pm Meeting
Francis Tuttle
Refrigeration Tour & Spouse Dinner

Year's End

President's Message

By: Joe Sanders



Joe Sanders
2014-2015 Chapter President

We have tried to step a bit out of the box this year when planning our chapter meetings. Our last meeting may have been the furthest we have stepped yet when Bruce Pitts presented on ethics. Much to our delight the turnout was high once again with about 60 members in attendance and the discussion was one of the more active that I can recall. One of the more impressive items that stuck in my mind was how closely the state's code of ethic mimicked ASHRAE's code of ethics in many areas. To me that shows that ASHRAE is much more than a technical organization, but also an organization focused on the overall personal advancement of its members. Our society not only wants you to be well versed on the latest technologies, codes, and research but also wants us to be well versed on professional skills, such as ethics, as well. I want to thank Mr. Pitts for taking the time to present to us and hope that we can work with his office in the future.

Our next meeting is stepping a bit back into our comfort zone. Keith Reihl, with Mitsubishi Electric, will be presenting on the recent advancements of Variable Refrigerant Flow system and understanding ASHRAE 15. This meeting will be held January 7th, at **6:00 PM** at 50 Penn Place.

VRF has technology has advanced tremendously over the past decade as the concept is more widely accepted in the United States. It's easy to imagine that a great deal of those advancement in efficiency, control, and capacities were rooted in developments made possible by ASHRAE research. As we near the end of the year, I urge you to consider making a tax deductible contribution to ASHRAE research so that we can ensure that our industry continues its rapid advancement. If you have any questions, please contact our Research Promotion Chair, Adam Shupe; his contact information can be found in this newsletter.

Finally, I would like to wish our members and their families a happy holiday season and happy New Year. I know that as we try and hit our end of year deadlines, quotas, or goals that it can be easy to forget how truly lucky we are to be where we are and to have the opportunities that we have. Hopefully, you all can find some time to slow down and reflect on another great year.

Joe Sanders

ASHRAE Central Oklahoma Chapter President



Chapter Technology Transfer (CTT)

November Program: VRF & ASHRAE 15 & 34

By: Michael Wilson

We really appreciate the good turnout for our last chapter program where Bruce Pitts from the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors spoke about Professional Ethics. His presentation was very good and the comparison of the State requirements to ASHRAE's Code of Ethics was very interesting. As members of ASHRAE, we are all obligated to follow this Code. There were many great questions asked during the Q&A and hopefully it cleared up some concerns. If you have any additional questions for Bruce, please feel free to send them my way and I will forward them on. For more information on the ASHRAE Code of Ethics please visit <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.

For the January chapter meeting, our guest speaker will be Mr. Keith Reihl with Mitsubishi. Keith will speak to our chapter over VRF and ASHRAE 15 & 34. We always want to dedicate a program to Refrigeration and with the popularity of VRF systems increasing it is important we all make sure we understand some of the fundamentals. As ASHRAE likes to say, Don't Forget the "R" in ASHRAE.

Keith Reihl, P.E., CEM, EBCP, HBDP, LEED AP, GPRO | Commercial Regional Sales Manager, Mitsubishi Electric Cooling & Heating. Mr. Reihl has been designing, teaching and analyzing building energy systems and renewable energy systems for over 23 years while practicing consulting engineering and applying equipment. He has performed load calculations, energy modeling, MEP systems design, energy audits, energy star analysis and certification, LEED certification and building commissioning for many types of buildings. Mr. Reihl has been active in many organizations and served as president of the Houston chapter of ASHRAE, CTTC RVC and is currently the vice chair and founding member of the Grassroots Government Activities Committee for ASHRAE. He is on the executive committee of SPEER as secretary. He is a Building Operator Certification instructor and GPRO instructor. Mr. Reihl served as chair of the Houston USGBC chapter and chair of the region. He has certified nearly 15 million square feet of LEED buildings. He is Energy Code chair for the city of Houston and on the executive committee for Construction Industry Council.



Keith Reihl
January's Guest Speaker

Also, don't forget this is our first evening meeting in quite a while and it will start at 6:00 pm on Wednesday January 7th. I look forward to seeing everyone there.

Michael Wilson can be reached at 405-416-8373 or michael.wilson@guernsey.us

Social Media Cross-Promotion Information

COK Chapter would like to welcome Madison Schultz as the Social Media Chair. Please help grow these social media connections in this digital age. Please notice some of the social media links have been revised to be more consistent across all platforms. Please look for Madison's post of the latest news, updates, and feeds.

facebook

www.facebook.com/ASHRAEcok



[@ashraecok](http://www.instagram.com/ASHRAEcok)



<http://www.linkedin.com/groups/ASHRAE-Central-Oklahoma-Chapter-4653796/about>



[@CentralOKASHRAE](https://twitter.com/CentralOKASHRAE)

ASHRAE Returns to Chicago!

Winter Conference
January 24–28

AHR Expo
January 26–28



The ASHRAE Conference takes place Jan. 24-28 at the Palmer House Hilton. The ASHRAE co-sponsored AHR Expo, takes place Jan. 26-28 at McCormick Place.

At www.ashrae.org/chicagomarketing, you can find banners and ads for your chapter websites and newsletters to use in promoting the Conference and the Show. These materials include complimentary passes to the Expo that you can use to promote the event to those outside of the ASHRAE family. To obtain additional free passes for distribution or any additional AHR Expo promotional material, please contact Kimberly Pires at kpires@iecshows.com.

The financial support provided by the AHR Expo helps fund vital research and other member programs. We all will benefit from a strong turnout in Chicago. Your contribution to that success will be sincerely appreciated. If there is anything else Headquarters can do to support your promotional program, please be sure to let us know. Thank you!



YEA

YEA Veolia Tour

By: Andy Donehue

I'd like to start off by congratulating fellow YEA member Madison Schultz on passing her PE exam. Madison was part of our PE study sessions this fall. We plan on having more study sessions for the spring exam so look for upcoming emails with more details.

Our December YEA event was a tour of the Veolia Central Plant in downtown Oklahoma City. I'd like to thank Todd Lewis, the general manager of Veolia, for taking his time out to show us around. We had our best turn out yet with 15 people attending the tour. Following the tour we went to Tapwerks for a happy hour. Membership Promotion was nice enough to sponsor the event. Our next event will be a happy hour immediately following the January 7th chapter meeting which will be held Wednesday evening. Please join us at the Belle Isle Brewery for a happy hour after the next chapter meeting.

Andy Donehue can be reached at 405-317-0552 or andy.donehue@trane.com.



COK YEA members at Veolia

December Meeting Photos

Ethnics

Bruce Pitts



ASHRAE Learning Institute 2014 Fall Online Course Series

2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

High-Performance Building Design: Applications and Future Trends

Mon, September 8, 2014 – 1:00 pm to 4:00 pm EDT

Air-to-Air Energy Recovery Applications: Best Practices

Wed, September 10, 2014 – 1:00 pm to 4:00 pm EDT

Evaluation Methods for High-Performance Green Buildings

Mon, September 22, 2014 – 1:00 pm to 4:00 pm EDT

Fundamental Requirements of Standard 62.1-2013

Wed, September 24, 2014 – 1:00 pm to 4:00 pm EDT

NEW! Building Demand Response & the Coming Smart Grid

Mon, September 29, 2014 – 1:00 pm to 4:00 pm EDT

District Cooling & Heating Systems: Central Plants

Mon, October 6, 2014 – 1:00 pm to 4:00 pm EDT

Maximizing Customer Benefits Using Key Electric Utility Products

Mon, October 13, 2014 – 1:00 pm to 4:00 pm EDT

Combined Heat & Power: Creating Efficiency through Design & Operations

Mon, October 20, 2014 – 1:00 pm to 4:00 pm EDT

Design of Commercial Ground Source Heat Pumps

Wed, October 22, 2014 – 1:00 pm to 4:00 pm EDT

Energy Efficiency in Data Centers

Mon, November 3, 2014 – 1:00 pm to 4:00 pm EST

Commissioning for High-Performance Buildings

Wed, November 5, 2014 – 1:00 pm to 4:00 pm EST

Exceeding Standard 90.1-2013 to Meet LEED® Requirements

Wed, November 12, 2014 – 1:00 pm to 4:00 pm EST

The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.

Complying with Standard 90.1-2013

Part 1 - Mon, September 15, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, September 17, 2014 – 1:00 pm to 4:00 pm EDT

Healthcare Facilities: Best Practices for Design & Applications

Part 1 - Wed, October 8, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, October 15, 2014 – 1:00 pm to 4:00 pm EDT

HVAC Design Training

2 Courses, 5 Days of Intense Instruction

November 2014 – Atlanta, GA

HVAC Design: Level I - Essentials

ASHRAE's *HVAC Design: Level I - Essentials* provides intensive, practical training for HVAC designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

ASHRAE's *HVAC Design: Level II - Applications* provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the *HVAC Design: Level I - Essentials* training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, and 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register

Honor & Awards

Member Recognition

By: Tino Mendez



E K Campbell Award

This award is given to a University Professor that has excelled in Education and/or Research. This year it was awarded to our own **Dr. Jeffrey Spitler** for his work at Oklahoma State University. The award was presented at the Plenary session and an honorarium of \$10,000 presented at the Life Members Luncheon during the past winter meeting. This award is sponsored by the ASHRAE Life Members Club and is given to only one member per year, which is the reason why it is considered the highest honor received by an educator/researcher in the HVAC field. Dr. Spitler is the second member of this Chapter to receive the award, **Dr. Faye C. McQuiston** received it in 1986.

Central Oklahoma Chapter Hall of Fame

Our own Hall of Fame was established in 1992 by the Board of Governors with the first and only member inducted that year being **William J. Collins Jr.** From 1993 to the year 2000 the Chapter added 13 more members to the list. Most of these members were instrumental in making our Chapter the envy of most Chapters in Society culminating with the Number One spot in Society in 1993.

This year the Honors and Awards Committee presented the Board with the opportunity to recognize two more individuals which were unanimously approved.

Michael F. Beda

President of the Chapter in 1981 and led the Chapter to the number one spot in the Region for which he received the Golden Gavel. Michael proudly represented the Chapter at the Regional and International level holding several offices until he moved to Tulsa and became a Member of the NE Oklahoma Chapter where he was also President. He has continued to serve at the International level for several years being the recipient of both the Distinguished Service Award and the Exceptional Service Award.

John L. Harrod

Served in several Technical Committees before getting involved in Chapter activities culminating with his year as President in 1995. Since then he completed two terms as Regional Chair for Research Promotion and served a 3 year term as Society Director and Regional Chair for Region VIII. He joined William J. Collins Jr. as two members of our Chapter that have served as DRC. He is presently serving in the Society Nominating Committee and the Society Planning Committee. John has received the Distinguished Service Award. **Please join us in celebrating this high honor on Past President's night January 7th, 2015**

Tino Mendez can be reached at 405-590-4479 or tinomendez@cox.net

OUBCC Call for Volunteers

Regulations for Alternative Fueling

Oklahoma Uniform Building Code Commission (OUBCC)

The Oklahoma Uniform Building Code Commission (OUBCC) is currently working on putting together codes and standards to regulate alternative fuel filling stations in Oklahoma.

We are calling for volunteers to serve on an alternative fuels technical committee which will set the codes and standards for the construction and operation of CNG, LNG, Hydrogen, Electric, etc. alternative fuel filling stations in Oklahoma.

If you are interested in serving on this committee, please fill out the attached form and send it to Shawnta.Mitchell@oubcc.ok.gov or fax to 405-521-6504. If you are aware of someone else who would be a good candidate for this committee, please forward the volunteer form to them. You can find the application on our website at: www.ok.gov.

ASHRAE Certification Programs

BEMP Practice Exam Now Available

ASHRAE has launched a practice exam for the Building Energy Modeling Professional (BEMP) certification. The practice exam is designed to be similar in content and difficulty to the actual certification exam. It is a low-cost, online tool for limited self-assessment with a score report overview of performance at the end of the exam. Practice exams are already in place for the BEAP, CPMP and HFDP certifications. Practice exams for the HBDP and OPMP certifications are under development and should be launched later this year.

Visit www.ashrae.org/BEMP to learn more about the BEMP practice exam.

Visit www.ashrae.org/certification to learn more about ASHRAE certifications.

New Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

Data Center Design and Operation – ASHRAE Datacom Series CD 4th Ed.



This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

\$289 (\$246 ASHRAE Member) / CD / 2014

ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems



The second edition of *HVAC Design Manual for Hospitals and Clinics* provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what's different about healthcare HVAC systems.

\$129 (\$109 ASHRAE Member) / 312 pages / 2013

Visit www.ashrae.org/bookstore to learn more about these and other outstanding ASHRAE publications!

Central Oklahoma ASHRAE Rosters

Final rosters will be distributed at December's meeting. Please contact John Semtner for your copy or follow hyperlink below to download.



2014 ASHRAE Roster_FINAL.pdf



Refrigeration

Refrigeration Tour & Spouses Night

By: Jason Keyes

As I mentioned last month, Wednesday March 4, 2015, is the date for this ASHRAE year's refrigeration tour. This is an evening event and is being combined with our annual spouses night. I had an opportunity to tour the site this past week and came away very impressed. The facility is absolutely first class, the kitchens and mechanical systems will make a great tour, and after learning more about their culinary capabilities I expect a fabulous meal as well. Which leads me to the great opportunity we have here beyond refrigeration.....

Many of us work in very different fields of interest than our spouses. An event such as this gives us a great chance to educate our significant others as to what we do for 40 hours every week (Or 50, or 60) and enjoy a fine meal at the same time. I hope every chapter member reading this will plan to attend - I'm certain no one will be disappointed.

Mark your calendar – WEDNESDAY EVENING, MARCH 4, 2015!

Jason Keyes can be reached at 405-948-1794 or jason.keyes@abscompanies.com



Social Media

COK Social Media Groups

By: Madison Schultz

Hello All! What a delight it is to be serving as the first ever Social Media Chair for the ASHRAE Central Oklahoma Chapter! Social media has become an increasingly more important communication tool and recruitment device. We use it to stay in touch and share important events in our lives. If you were not aware, ASHRAE COK is on Facebook, Instagram, Twitter, and LinkedIn. I am currently posting some old chapter pictures. Look out! Some of you are in them and clearly rocking the early 90s! I am also looking for new pictures to post. Submit photos from ASHRAE events or cool projects on which you have worked via email, PM, or use #ashraecok. Like, follow, share, and join us on social media to keep up with events, announcements, fun facts, and cool projects!

facebook.com/ASHRAEcok
 instagram.com/ASHRAEcok (@ashraecok)
 twitter.com/ASHRAEcok (@ASHRAEcok)
 linkedin.com/groups/ASHRAE-COK-8228080

Madison Schultz can be reached at 405-840-1901 ext. 3012 or mschultz@psaokc.com

Congradulations from the COK Chapter
 to Madison Schultz for passing your PE Exam



Save these dates:

Oct 1:	50 Penn Place	11:30 AM	Michael Teague on OK's Energy Future
Nov 5:	50 Penn Place	11:30 AM	Ed Tinsley on Retro-Commissioning
Dec 3:	50 Penn Place	11:30 AM	Bruce Pitts on Ethics
Jan 7:	50 Penn Place	6:00 PM	VRF & ASHRAE 15
Feb 4:	50 Penn Place	11:30 AM	Distinguished Lecture on ASHRAE bEQ
Mar 4:	Francis Tuttle	6:00 PM	Tour and Spouse Dinner
Apr 1:	50 Penn Place	11:30 AM	HVLS Fans & ASHRAE 55
May 6:	50 Penn Place	11:30 AM	Psychrometrics

*Register and pay on our website: ashraecok.org

2017 CRC Committees

We are still looking for CRC committee volunteers. Please contact John Semtner or Joe Sanders for more information.

CRC Secretary	Registration	Off Site Events/Marketing	Companions' Activities
Sponsorships/Marketing	Hotel Coordinator	IT/AV	Tech Sessions
Golf Outing	Transportation	VIP Host	

Upcoming Meetings and Events

Date	Event	Location	Topic	Presenter
11/05/14	November Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	Retro-Commissioning of Health Care Facilities (Bring a Guest)	Ed Tinsley
12/03/14	December Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	Ethics (Joint Meeting with other PEs)	Bruce Pitts
01/07/15	January Meeting	50 Penn Place, 3rd Floor 6:00pm	Variable Refrigerant Flow (Past Presidents Night)	Keith Reihl
02/04/15	February Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	ASHRAE bEQ Program (New Member Reconignition)	Ross Montgomery (Distinguished Lecturer)
03/04/15	March Meeting	Francis Tuttle Main Campus, 6:00pm	Kitchen Systems (Spouse's Night) Tour & Dinner at District 21 Kitchen	TBD
04/01/15	April Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	HVLS Fans & ASHRAE 55	Barry Warner
05/06/15	May Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	Psychrometrics	TBD

2014-2015 COK CONTACT INFORMATION

	Contact	Company	Phone	Email
<u>OFFICERS:</u>				
President (CRC Delegate)	Joe Sanders	RB Akins Company	(405)947.6502	jsanders@rbakins.com
President Elect (CRC Alternate)	John Semtner	ADG	(405)232.5700	jsemtner@adgokc.com
Secretary	Mark Furgason	Automated Building Systems	(405)947.1794	mark.furgason@abscompanies.com
Treasurer	Stephanie Thomas	TME, Inc	(405)463.6570	stthomas@tmecorp.com
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Board of Governors	Grant Flurry	Federal Corporation	(405)239.7320	gflurry@federalcorp.com
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Board of Governors	Daniel Brazeale	Engineered Equipment Inc.	(405)525.7722	dbrazeale@eei-ok.com
Board of Governors	Jason Keyes	Automated Building Systems	(405)948.1794	jason.keyes@abscompanies.com
Board of Governors	Dusty Stoabs, P.E.	F+S+B	(405)840.2937	dstoabs@fsb-ae.com
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Honors & Awards	Tino Mendez	Retired	(405)843.3579	tinomendez@cox.net
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Social Media Chair	Madison Schultz	PSA Consulting Engineers	(405) 840-1901x3012	mschultz@psaokc.com