



Tulsa, Oklahoma

Newsletter of the NEOK Chapter of ASHRAE Region VIII

[www.ashrae.org](http://www.ashrae.org) | [www.ashrae-neok.org](http://www.ashrae-neok.org)

Vol. LXII | Issue 4 | December 2021

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## UPCOMING EVENTS

- **December 1st**  
Chapter Meeting  
11:30am to 1:30pm  
Tulsa Country Club  
[Virtual Link](#)
- **December 9th**  
Board of Governors  
Meeting (4-5pm) -  
Meeting Site is at  
Elgin Park

## PRESIDENT'S MESSAGE

By Claire Farr

How many of us regularly complain about what politicians are either doing or not doing? If you find yourself in that habit, when was the last time you met with your representative to share your expertise?

ASHRAE's Government Affairs Committee provides multiple avenues to get involved directly. For example, each spring we partner with the Central Oklahoma chapter for a Day on the Hill, when we meet with our senators and representatives in Oklahoma City to speak to them about the resources and expertise available from the ASHRAE community. Our consistent involvement each spring has led to very productive relationships with a number of our legislators, which helps us ensure that they are receiving well-informed industry information when making the laws and rules that govern the HVAC-R business in Oklahoma.

Last year was particularly exciting for our Government Affairs efforts. The NEOK and Central Oklahoma chapters have worked together since 2015 to get the OUBCC to include the same year IECC section of the code in their current adoption of the International Code sections. The version of IECC currently adopted by the state is 2006, which is severely out of date. In the fall of 2020, the OUBCC appointed a committee to evaluate the IECC, which returned a recommendation that the 2015 version of the IECC be reviewed for adoption with the 2018 version of the other ICC code sections.

While interacting with the OUBCC, the ASHRAE chapters realized that there was a need for professional engineers licensed by the State of Oklahoma to sit on this commission to provide input from the mechanical and electrical design perspective. The NEOK chapter worked with Senator Dave Rader, Tulsa, and later cosponsors Rep. Sheila Dills and Sen. Darcy Jech, to get SB148 passed and signed into law. This legislation increased the OUBCC board from 11 to 13 members and added requirements that the two additional members be licensed professional engineers with the State of Oklahoma. This should help better inform the OUBCC when they consider their subcommittee's recommendation on inclusion of the IECC code section with the other ICC sections.

So, for anyone who wishes our state leaders were more informed about our industry when making decisions that affect our daily business, are you ready to get involved? Some of the above may sound rather dry and detailed, but you don't need to be an expert in the legislative or rule making process to make a difference. All it takes is an interest helping our state better support the development of a safe, comfortable, and energy efficient built environment and a willingness to get involved and invest time collaborating with other chapter members! As a first step, I recommend everyone plan to participate in the Day on the Hill this spring.

To continue building on this momentum, Government Affairs will be our committee focus for December, which is a great time to kick off planning for our annual Day on the Hill. We have also invited several of our local leaders to our chapter meeting, and so far, we anticipate that Senator Dave Rader will be our guest at the meeting. This will be a great time to briefly review the "This is ASHRAE" presentation from Society as well.

After our introduction of the GAC and "This is ASHRAE," our main speaker Mark Welker will present "It's Just Psychrometrics." Anybody who has anything to do with outdoor air or room air will want to hear this - that's all of us, right? We hope to see you at Tulsa Country Club for the meeting in-person, or alternatively we invite you to [log in via GoToMeeting](#).

*Claire Farr*

**Claire Farr**  
2021-2022 Chapter President  
[cfarr@es2ok.com](mailto:cfarr@es2ok.com)





## CHAPTER TECHNOLOGY TRANSFER/PROGRAMS

By Michael Floyd

Thank you to everyone who was able to attend the November ASHRAE meeting! I hope everyone found Mark’s presentation on the fundamentals of vibrations to be very useful, and that it will help with future projects. I’d like to thank Mark for taking time out of his busy schedule to present at our chapter’s November meeting.

Our December meeting’s presentation will be by Mark Welker. The title of his presentation will be “It’s Just Psychrometrics.” Mr. Welker has been working in the HVAC industry since 2011. Since joining this industry ten years ago, Mark has helped design and select Indirect Evaporative Cooling Systems, Liquid Desiccant Systems, Dry Desiccant Systems, and Critical Process Roof Top Systems (that are used primarily in the food industry). December’s ASHRAE meeting will be held on the 1st, so RSVP!

Looking ahead, our January meeting will be on January 5th. The speaker will be David Schurk (one of ASHRAE’s Distinguished Lecturers). David will be speaking on “The HVAC System’s Role in Improving Environmental Air Quality in Buildings of all Types.”

Also, If any of you require Professional Development Hours, or are just wanting to learn more about this industry, I suggest you check out ASHRAE’s Online Instructor-Led Courses by clicking the link below.

<https://www.ashrae.org/professional-development/all-instructor-led-training/online-instructor-led-training>

**Michael Floyd**  
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## TREASURER REPORT

By Matt Simmons

Our chapter’s current net worth as of November 17, 2021 is as follows.

Paypal account:	\$3,156.84
BOK- General checking:	\$46,756.13
BOK-Investments-CRC-Training:	\$19,284.69
<u>Jack Tumilty Scholarship Fund:</u>	<u>\$27,498.95</u>
<b>Total Assets:</b>	<b>\$96,696.61</b>



**Matt Simmons**

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YEA

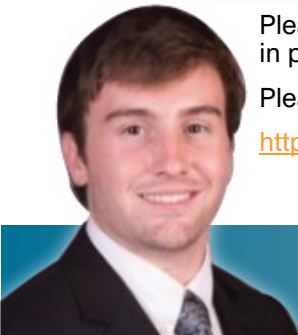
By Zach Seizinger

YEA has decided not to hold any events in the month of December to allow people to enjoy the Holidays and focus on wrapping up the year on a positive note. Starting off 2022 right, we look forward to getting everybody back together very soon! Hope everyone has a Merry Christmas and Happy New Year!



Zach Seizinger  
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RESEARCH PROMOTION



Please help us support ASHRAE research by making your donation today! Donations may be made in person, by mail, or online. For more information please contact Jason Blair at 918-232-7654.

Please visit the link below to make a contribution.

<https://xp20.ashrae.org/secure/researchpromotion/rp.html>

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REFRIGERATION

By Eric Mulliniks

Did you know that ASHRAE provides a variety of training opportunities in the area of refrigeration? Here are some highlights of what's currently available on ASHRAE's Refrigeration page:

Instructor-Led: [New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs](#)

eLearning: [eLearning Courses on Refrigerants](#)

Self-Directed Course: [Fundamentals of Refrigeration \(I-P\)](#)

Instructor-Led: [Variable Refrigerant Flow System Design & Application](#)

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## MEMBERSHIP PROMOTION

By Brian Biggerstaff

We would like to welcome our newest member— Mr. John Galbraith.

If anyone you know is interested in joining ASHRAE, you can share the below link with them, or send them a personalized message using Connect-A-Colleague We've kept it simple: Enter your name and email, your colleague's name and email, and press send. That's it! This pre-written invitation will be sent on your behalf, and includes options to reference an ASHRAE technical committee section, and to add a custom message.

[http://web.ashrae.org/connect\\_a\\_colleague/](http://web.ashrae.org/connect_a_colleague/)

If you prefer to simply share a link with a friend they can join ASHRAE using the below:

<https://join.ashrae.org/>



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## STUDENT ACTIVITIES

By Jacob Koch

Jacob Koch here with a Student Activities update. OSU Symposium was on November 2<sup>nd</sup>. The Cowboy Engineers presented several interesting presentations on HVAC. Prizes were awarded and pizza was served. The meeting was a joint meeting between Central Oklahoma ASHRAE and NEOK ASHRAE. It was a good day for the ASHRAE community!

The reactivation of the University of Tulsa Student Activity Branch is under way! Dr. Karimi is the main advisor. Right now there are two students signed up. The branch needs 5 students to establish the branch. If you know any students interested. Let me know.

A reminder, there are three scholarships available through NEOK ASHRAE. NEOK college student scholarships shall be given to two Tulsa area college students each year. Both students will be selected from applications received from either the University of Tulsa, Oklahoma State University-Tulsa, or Oklahoma State University-Okmulgee. The scholarship amounts shall be \$800 each for two recipients. Also there is a \$1000 scholarship in the name of Tulsa engineer Jack E. Tumilty (Jack E. Tumilty Scholarship) to a Tulsa metropolitan area graduating high school senior who will be entering the study of mechanical engineering at a college of their choice in the fall. The scholarships shall be awarded yearly at the April NEOK ASHRAE chapter meeting. I will be handing out fillers promoting these scholarships at colleges and high school. If anyone knows any students that would be a good candidate for the scholarships, then direct them to the NEOK ASHRAE website.

I look forward to the new ASHRAE year. The future is bright for ASHRAE.



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## ELECTRONIC COMMUNICATIONS

By Matt Petersen

Thanksgiving season, pumpkins, turkey, candied yams all gone. Candy canes, pine trees, snow and tiny reindeer are coming. Online shopping is going to be huge this season, let's just hope we can all get our orders shipped to our homes before Christmas!

Our second hybrid chapter meeting happened in November with a total of 7 online attendees listening to Mark Fly discuss vibration fundamentals. This was up from 2 online the previous month. We are planning on these hybrid meetings for the rest of the year using GoToMeeting. So, if you cannot make it to the Tulsa Country Club you can always attend virtually.

The link for the online option is the same for each month and in case you need the link it is posted on the chapter website and will be posted on our social media pages as well. The next chapter meeting is December 1<sup>st</sup> at 11:30 am CDT. The link to join is: <https://global.gotomeeting.com/join/856281357> or by phone at (571) 317-3122 with Access Code: 856-281-357.

The NEOK Schedule of Events is waiting for events that you would like posted on our NEOK web site, please forward them to [neok.ashrae@gmail.com](mailto:neok.ashrae@gmail.com) and I will see if I can get them included. If you follow us on [Facebook](#) you should be seeing more posts this year. Notice pics from our November meeting and the YEA Oktoberfest event. Please connect with us on [LinkedIn](#). As always, chapter information is offered on these two social media sites and our chapter website, [www.ashrae-neok.org](http://www.ashrae-neok.org).



Click on one of these logos to visit our pages.



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## HONORS & AWARDS

By Mike Beda

I am looking for candidates for both Chapter Service Awards and Regional Award of Merit to present at the Spring CRC. I am looking for your help.

If you have gone thru the Chapter chair or chaired committees over the years, you may be eligible for one of these awards. Please give me a call or email me a copy of your ASHRAE bio and I will help you determine if you are a candidate. The application must be completed by Mid-March of 2022.



**Mike Beda**  
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## HISTORY

By Gene Redford

In thinking of what to write about this month I was wondering how many people will remember some of the names who have been apart of our industry, such as;

R&B Equipment Sales, *Howard Godfrey*; Watt Company, *Neal Watt*; Earl Offutt Company, *Earl and Sam Offutt*; R. B. Akins, *Dick Calkins*; Natkin & Company, *Dean Hawley*; Swan Air Conditioning Company, *Richard Swan*; AES Air Conditioning Company, *Dick Drinkwater*; Peyton Air Conditioning Company, *Archie Peyton*; McCune & McCune, *Gordon McCune*; William J. Collins & Associates, *Jack Tumilty*; HTB, *Rex Ball*.

Other names that were apart of our history were; Tom Reinhart, John von Gonten, Pete Winget, Clarence Dollmeyer, Jim Netherton, Bob Pauling, Chick Morse, Everett Nolte, Jim Shipman, Ike Holmes, Dusty Roads, Jim Shaw, Jack Averitt, Sid Simon, Allan Davis, Harry Hembree, Howard Kirsch and John Mitchell,

These are just a few names that crossed my mind and wondered how many folks worked with or for any of these companies. It is amazing how companies can change their names, but the people seem to stay the same. Just think how all of these companies have impacted our lives and careers over the last 40 years. I wonder how many members in our chapter have worked for any of these companies.

Remember ASHRAE started out as ASHVE in 1894 with 75 members and became ASHRAE in 1919 after establishing a permanent research staff, located at the U. S. Bureau of Mines Building in Pittsburgh, PA. The laboratory was moved to Cleveland in 1944. The Guide was established by Society in 1922 and grew from 5,000 copies to 18,000 copies by 1948. The membership had grown to 2,000 members by 1929, reaching 39 states and 16 foreign countries. By 1948 there were 39 chapters, one student branch at Texas A&M and over 6,000 members in all 48 states, Hawaii, Puerto Rico, and 37 foreign countries.

Our chapter was chartered on October 4, 1948 with 25 members. W. R. "Bob" Lee was instrumental in putting our chapter together and was elected the first president, A D Holmes as VP, Richard Shoemaker was secretary and Neal Watt was treasurer. Other members at that time were, Clarence Dollmeyer, Jim Netherton, Bob Pauling, W C Roads and Pete Winget.

In all my years working in this industry I still wonder too, what happens to all those drawings that get printed on the projects we build? I remember turning in all kinds of as built drawings and O & M books, but they never seem to stay with the buildings. It seems like when we go in to the buildings later to look at any retrofit work, there are no plans to be found of the building. Maybe it is the same thing that happens to that one sock you can never find.



**Gene Redford**  
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## MEETING MINUTES

By Austin Barton

### Recording of Minutes

**Chapter:** Northeastern Oklahoma Chapter 069

**Meeting Date:** November 11, 2021

**Meeting:** November 2021 BOG

**Attendance:** 13

**Compiled By:** Austin Barton

**Attendees:** Claire Farr, Steve Uerling, Jacob Koch, Michael Floyd, Mike Beda, Nolan Chance, Ray Gomez, Pam Dunlap, Matt Peterson, Matt Simmons, Keith Averitt, Zach Seizinger, Austin Barton.

The NEOK August BOG Meeting was held at Elgin Park, 325 E Reconciliation Way, Tulsa, OK 74120. President Clair Farr called the meeting to order at 4:00 PM.

### Thank to EEI for sponsoring for food and drinks

**President:** Claire Farr

- Called meeting to order
- Chair rolls important to contact RVC
- Other chapter star chapter recommendation.
- MBO's review, tab in spreadsheet, before December 9<sup>th</sup> need statuses of all goals.
- January 20<sup>th</sup> possible ASHRAE President visit. (Maybe employee roundtable).
- Bylaws changes. Update names, YEA is added, a second office will have to sign all checks, optional. Stick with one person signing checks.
- Timeline of how we handle nominating BOG and Officers. Currently install people in May, by April meeting. March 1<sup>st</sup> would continue installing people in May.
- Nominating committee bylaws currently say we would notify at one meeting and vote at the next. Decision to Elect at December Chapter meeting.
- Structure of Officers. President Elect vs. Vice President. We have the one roll of President Elect. Decision made to maintain this process.



## MEETING MINUTES (*continued*)

By Austin Barton

- Delegates: Current the immediate past president is the delegate. Decision made to keep this as the current process.
- Naming of delegates. Past President and current President. Sticking to this as the current method. Decision made to modify to the following: the Delegate is President and Alternate is President Elect.
- Strategic Plan – goals within a 3-to-5-year time frame. Poll for anyone who wants to participate coming out. (Before the next BOG meetings).

### **President Elect / Newsletter:** Keith Averitt

- Newsletter articles due by November 17<sup>th</sup>. Please have all required articles submitted.
- Any photos of anything ASHRAE related please submit.

### **Treasurer:** Matt Simmons

- Matt Opened budget discussion.
- Fixed issue with PayPal.
- Sent out all invoices from last chapter meeting.
- Sent out invoices for all outstanding Golf Tournament sponsorships.
- Treasury reports to be submitted from the Beginning of month to the end of the month.

### **Secretary:** Austin Barton

- November chapter meeting minutes.
- November chapter meeting minutes were voted on and approved.

### **Attendance / Reception:** Pam Dunlap

- November Chapter Meeting had 43 in person attendees, including speaker and 6 non-member, 2 online attendees include 1 non-member.
- Purchase from Cards for badges. Receipt submitted to treasurer.
- Evite to have note if going to online no need to RSVP.
- Gift cards needed for December.

### **CRC Delegate / PAOE:** Steve Uerling

- CRC is in person in Houston.
- Officers and BOG Full Circle deadline.
  - Let Jason know if donations have been made.
- Point deadlines discussion.





## MEETING MINUTES (*continued*)

By Austin Barton

### **CTT Chapter Programs:** Michael Floyd

- Thank you for submitting the survey.
- Surveys need submitted before 4pm tomorrow.
- Joint ASHRAE ASPE coming.

Do we have the reviews for the October speaker, verifying and sending.

- PDH's count towards the points.
- Sending update for RVC.

### **Electronic Communications and Publicity:** Matt Peterson

- Need any photos submitted for publication.

### **GGAC:** Garen Ewbank

- Claire Farr reporting: Government affairs. This is ASHRAE presentation.

Planning for day on the hill.

Please remember to take photos of this event.

### **Historian:** Gene Redford

- Claire Farr reporting: Gene will be submitting newsletter article.

### **Honors & Awards:** Mike Beda

- Article on the 17<sup>th</sup>
- Starting on the Hall of Fame.

### **Membership Promotion:** Brain Biggerstaff

- Claire Farr Reporting. No recent new members.

### **Refrigeration:** Eric Mullinks

- No update.

### **Research Promotion:** Jason Blair

- Claire Farr Reporting: Need to send check by December 23<sup>rd</sup> and this year's golf proceeds from sponsorship and auction from last year.



## MEETING MINUTES (continued)

By Austin Barton

### **Research Promotion (cont'd):** Jason Blair

- Need to make sure this is distributed properly.
  - ◆ Need to report to society correctly.
  - ◆ Flag and Hole sponsorships.

### **Special Events:** Nolan Chance (Main) Duane Harmon, Ryan Dunkerson.

- Researching flag and hole sponsorship for submission to society.

### **Student Activities:** Jacob Koch

- OSU joint meeting took place at symposium.
- Judged mechanical proposal.
- Acquired 3 new student members.
- Reaching out to Pam Duffy.
- STEM event with all officers to get involved
- Working on flyer for TU club, OSU symposium December 2<sup>nd</sup>.

### **Sustainability:** TBD Claire Farr reporting.

- Email going out for anyone who wants to get involved.

### **YEA:** Zach Seizinger

- Good Event at Octoberfest.
- Looking for new event around holiday schedule.

### **General Budget Review:** All Parties

- No new Business

### **New Items / Other Business:** BOG Attendees

- No new Business

Meeting was adjourned at 5:09 pm.



Austin Barton

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GGAC

By Garen Ewbank

Support for the 2021 International Energy Conservation Code is Now Available in REScheck™!



The U.S. Department of Energy (DOE) has released REScheck Version 2.1.0, a free, web-based software application that helps builders, designers, and contractors demonstrate that a particular home complies with the latest provisions of the International Energy Conservation Code, the 2021 IECC. DOE has determined that the provisions of the 2021 IECC will achieve savings of 9.4% in residential buildings (compared to the previous 2018 edition).

[Learn more](#) or jump right to [REScheck-Web!](#)

Garen Ewbank  
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[gewbank@geotctest.com](mailto:gewbank@geotctest.com)



November meeting attendees enjoy lunch together



Mark Fly presents on "What's Shakin—Vibration Fundamentals"

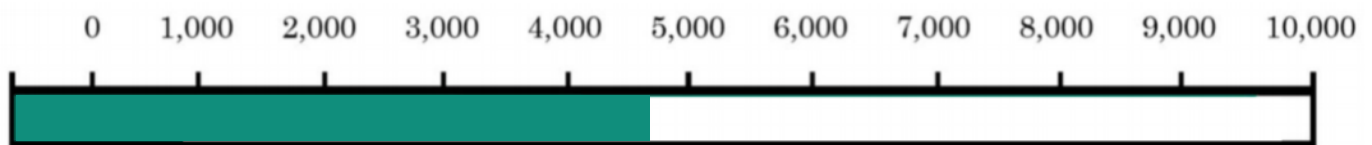


## 2021/2022 Calendar of Events

<u>Important Dates</u>	<u>Meeting</u>	<u>Location</u>
September 8, 2021	Golf Tournament	LaFortune Golf Course
September 16, 2021	Board of Governors	Elgin Park
October 6, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
October 14, 2021	Board of Governors	Elgin Park
November 3, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
November 11, 2021	Board of Governors	Elgin Park
December 1, 2021	Chapter Meeting (Lunch)	Tulsa Country Club
December 9, 2021	Board of Governors	Elgin Park
January 12, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
January 20, 2022	Board of Governors	Elgin Park
January 29– Feb. 2, 2022	ASHRAE Winter Conference	Las Vegas, NV
February 9, 2022	Chapter Meeting/ Auction (Dinner)	Tulsa Country Club
February 17, 2022	Board of Governors	Elgin Park
March 2, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
March 10, 2022	Board of Governors	Elgin Park
April 6, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
April 14, 2022	Board of Governors	Elgin Park
April 27–May 1, 2022	CRC	Houston, TX
May 4, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
May 12, 2022	Board of Governors	Elgin Park
June 9, 2022	Board of Governors	Elgin Park
June 25-29, 2022	ASHRAE Annual Conference	Toronto, ON, Canada

Check back in each subsequent newsletter as new events will be added as they are scheduled.

## 2021/2022 NEOK PAOE Points







## 2021/2022 Chapter Volunteers

### Officers

President	Claire Farr	918-279-6450	<a href="mailto:cfarr@es2ok.com">cfarr@es2ok.com</a>
President Elect	Keith Averitt	918-624-1005	<a href="mailto:kaveritt@eei-ok.com">kaveritt@eei-ok.com</a>
Treasurer	Matt Simmons	918-258-6890	<a href="mailto:msimmons@eda-fki-engineers.com">msimmons@eda-fki-engineers.com</a>
Secretary	Austin Barton	918-359-9107	<a href="mailto:barton.a@mcintoshok.com">barton.a@mcintoshok.com</a>

### Board of Governors

BOG	Brian Biggerstaff	918-219-4030	<a href="mailto:bbiggerstaff@eei-ok.com">bbiggerstaff@eei-ok.com</a>
BOG	Chuck Mayfield	918-624-1005	<a href="mailto:cmayfield@eei-ok.com">cmayfield@eei-ok.com</a>
BOG	Ray Gomez	918-584-0102	<a href="mailto:gomez@phillipsgomez.com">gomez@phillipsgomez.com</a>
BOG	Mike Beda	918-706-8309	<a href="mailto:mikebeda1945@yahoo.com">mikebeda1945@yahoo.com</a>

### Committee Chairs

CRC Delegate	Steve Uerling	918-836-0271	<a href="mailto:steve.uerling@leeandbrowne.com">steve.uerling@leeandbrowne.com</a>
CRC Alternate	Claire Farr	918-279-6450	<a href="mailto:cfarr@es2ok.com">cfarr@es2ok.com</a>
Attendance/Reception	Pam Dunlap	918-587-4747	<a href="mailto:pbdunlap@matrixae.com">pbdunlap@matrixae.com</a>
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CTT/Programs	Michael Floyd	918-836-0271	<a href="mailto:michael.floyd@leeandbrowne.com">michael.floyd@leeandbrowne.com</a>
GGAC	Garen N. Ewbank	405-826-8156	<a href="mailto:gewbank@geotctest.com">gewbank@geotctest.com</a>
Historian	Gene L. Redford	918-346-0444	<a href="mailto:glredbird@yahoo.com">glredbird@yahoo.com</a>
Honors & Awards	Mike Beda	918-706-8309	<a href="mailto:mikebeda1945@yahoo.com">mikebeda1945@yahoo.com</a>
Membership Promotion	Brian Biggerstaff	918-219-4030	<a href="mailto:bbiggerstaff@eei-ok.com">bbiggerstaff@eei-ok.com</a>
Newsletter	Keith Averitt	918-624-1005	<a href="mailto:kaveritt@eei-ok.com">kaveritt@eei-ok.com</a>
Nominating	TBD		
Publicity / Social Media	Matt Petersen	918-978-9543	<a href="mailto:petersenmatthewe@gmail.com">petersenmatthewe@gmail.com</a>
Refrigeration	Eric Mulliniks	918-382-6432	<a href="mailto:ericm@aaon.com">ericm@aaon.com</a>
Research Promotion	Jason Blair	918-232-7654	<a href="mailto:jblair@harrisonenergy.com">jblair@harrisonenergy.com</a>
Special Events Co-Chair	Nolan Chance	918-877-6000	<a href="mailto:nolanc@midwestmachinery.net">nolanc@midwestmachinery.net</a>
Special Events Co-Chair	Ryan Dunkerson	918-430-6793	<a href="mailto:rdunkerson@es2ok.com">rdunkerson@es2ok.com</a>
Student Activities	Jacob Koch	918-836-0271	<a href="mailto:Jacob.Koch@Leeandbrowne.com">Jacob.Koch@Leeandbrowne.com</a>
Sustainability	ELGIN PARK		
Webmaster/ECC	Matt Petersen	918-978-9543	<a href="mailto:petersenmatthewe@gmail.com">petersenmatthewe@gmail.com</a>
YEA	Zachary Seizinger	918-998-0007	<a href="mailto:zseizinger@eei-ok.com">zseizinger@eei-ok.com</a>