

APRIL MEETING

Central Arkansas

Date: Wednesday, April 6

Location: Camp Aldersgate
2000 Aldersgate Rd
Little Rock, AR 72205

Cost: \$20

Schedule:

10:30a.m. Board Meeting

11:30a.m. Lunch / Technical Session

12:00-1:00p.m. Program

Northwest Arkansas

Date: Thursday, April 7

Location: Arvest Ballpark,
3000 S 56th St
Springdale, AR 72762

Cost: Free (lunch extra)

Schedule:

11:30a.m. Lunch

12:00-1:00p.m. Program

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THE PRESIDENT'S MESSAGE

By Forrest Moseley

Spring is here which means we are nearing the end of our 2015-2016 Arkansas ASHRAE year, but not before a handful of important events take place. The ASHRAE Webcast, Chapters Regional Conference (CRC), Spring Golf Tournament, and Past Presidents Night / Arkansas ASHRAE Hall of Fame are our last events coming up this month and the beginning of May.

A big thanks to Harrison Energy Partners for hosting this year's ASHRAE Webinar at their office. This year's webinar is "Making Net Zero Net Positive: Solving the efficiency & Cost Paradox". This will be held on April 21, 2016 over lunch. Please look for further information in this newsletter.

This year's CRC is being held in Tyler, TX on April 28-30th. Your group of leadership is currently working on our Chapter Reports and business meeting presentations. Your officers and committee chairs have been working hard all year to build up to this event where we share our Chapter successes with other chapters in our region.

Due to conflicting dates surrounding CRC this year, we have decided to change the date of our Spring Golf Tournament. It will be held on Monday May 9, in lieu of the original date of April 25. See the revised flyer and registration sheet in this newsletter.

April will be our last regular meeting followed by our Past Presidents Night / Arkansas ASHRAE Hall of Fame in May. This gathering in May is a very special event to honor all of our Arkansas Past Presidents as well as induct another deserving Chapter Member into the Arkansas ASHRAE Hall of Fame. This event is open to all members and is not just for Past Presidents and Hall of Fame members. If you have never attended, I strongly encourage you to consider joining us on May 12, 2016 at the Country Club of Little Rock. This social event is open to you and your significant other. Our 2016 inductee will be announced at our April meeting.

Last month our nominating committee presented the 2016-2017 leadership nominees as follows: Mark Eley (President), Max Good (President Elect), Ron McCarty (Treasurer), Secretary (Steve McConnell), Kim Koch (Board of Governors (BOG)), Bill Simpson (BOG), and Brad Bradshaw (BOG). At our April meeting we will have a Chapter vote to make these nominees your official leadership group for next year.

This month's meeting theme is Sustainability and what better program to have than on ASHRAE 189.1 with Distinguished Lecturer Thomas Lawrence, PhD. This will be a joint meeting with AIA and USGBC. Be sure to RSVP for this program! 

MONTH	MEETING TOPIC	SPEAKER	SECTION	DATE	LOCATION	THEME
SEPT	Advancements in Pumping and Motor Efficiency	Stan Kutin, Bell & Gossett Little Red Schoolhouse	Central	09.02.15	Camp Aldersgate	Chapter Awards
			NWA	09.03.15	Hoolihan's Rogers, AR	
OCT	Property Assessment for Clean Energy	Frank Mayfield, Harrison Energy Partners	Central	10.07.15	Camp Aldersgate	Resource Promotion
			NWA	10.08.15	Hoolihan's Rogers, AR	
NOV	Design of Education Facilities Impact on Total Cost of Ownership	David Handwork, Arkansas State University	Central	11.04.15	Camp Aldersgate	Government Affairs
			NWA	11.05.15	Springdale Country Club	
DEC	ASHRAE Standard 62.1	Hamid Habibi, TME	Central	12.02.15	Camp Aldersgate	Membership Promotion
			NWA	12.03.15	Arvest Ballpark	
JAN	Commissioning Tips, Tricks, and Techniques	David Underwood, Society President	Central	01.06.16	Camp Aldersgate	History
			NWA	01.07.16	Arvest Ballpark	
FEB	Ammonia Refrigeration Systems	Jerry Bradford and/or Amos Turnipseed, Baker Refrigeration	Central	02.03.16	Pulaski Academy Culinary School	The "R" in ASHRAE
			NWA	02.04.16	Arvest Ballpark	
MAR	Humid Climate Design	Eric Strum, Trane	Central	03.02.16	Camp Aldersgate	Student Activities
			NWA	03.03.16	Arvest Ballpark	
APR	ASHRAE Standard 189.1	Dr. Thomas Lawrence, Distinguished Lecturer	Central	04.06.16	Camp Aldersgate	Sustainability
			NWA	04.07.16	Arvest Ballpark	
MAY	Past President's Night	N/A	Central	05.12.16	Country Club of Little Rock	Past President's Recognition
			NWA	N/A	N/A	



ARKANSAS CHAPTER MEETING

MINUTES

Board Meeting of March 2, 2016

Ron McCarty—Secretary

Members Present: Forrest Moseley (President), Mark Eley (President Elect / CTTC), Ron McCarty (Secretary), Dan Allison (Reception), Terry Jacks (Research Promotion), Russell Black (Historian), Josh Faulkner (Student Activities), Phil Watson (Membership Promotion), Melanie Richardson (Sustainability), Jake Skinner (Newsletter), Chance Hollingsworth (Grassroots Government Affairs Committee), Bill Simpson, Rick Sellers and Steven McConnell (Board of Governors), Jared Hendrickson and Courtney Michael (Honors and Awards).

Call to Order: precisely 10:18 a.m.

- Forrest Moseley – President
 - Open the meeting.
 - Forrest introduced Mr. Bill Klock, Region Director and Regional Chair- Region VIII. Mr. Klock addressed the board and had a number of positive comments about our Chapter. There was some discussion items related to membership and to continue pushing to address cancellations.
 - March Meeting Minutes – Call for review and approval – There was a discussion related to a few typos in the minutes – 1st motion for approval of the minutes with corrected items was made by Terry Jacks, 2nd by Bill Simpson – Motion Passed – The minutes were approved.
 - PAOE – Forrest identified that the Chapter was doing well. Forrest also indicated that he was talking with the various Chairs to make sure that everyone is updating their points and do not miss any opportunities for points. Forrest also indicated that points were important, however PAOE points are not the only measurement by which a Chapter should measure success. Mr. Klock agreed and noted that sometimes too much emphasis is put on PAOE points. The Chapter needs to conduct business operations in a fashion that best fits the needs of the Chapter for growth and success. Overall the Chapter was doing well as compared to other Chapters within the region.
 - Newsletter Articles – Forrest mentioned that he will continue to remind everyone to submit an article for the newsletter. He will send out another remind at the end of the month.
 - NWA Group – Forrest made a request that the various Chairs to continue to support the NWA group. As part of the discussion there was a question as to how far along was the NWA group in moving forward towards being a standalone chapter. At the present time it appears the NWA group is working on the process, however does not appear to be at the standalone point. The process involved in becoming and maintaining a chapter requires a great deal of time and effort by the group. Based on comments that Forrest had received, it appears the NWA group has gained an understanding of the amount of effort required.
 - Nominating Committee – Forrest indicated that the members for the Nominating Committee have completed their task and provide their recommendations in a letter to Forrest. The nominations are as follows:
 - President - Mark Eley
 - President Elect – Max Good
 - Treasurer – Ron McCarty
 - Secretary – Steve McConnell
 - Board of Governors – Bill Simpson, Kim Koch, Brad Bradshaw

Forrest will bring the nominations to the members at the meeting today for a vote.

- Region VIII and Society Level Nominations from Arkansas – Forrest has requested a list of open positions, however has not received a current list. Bill Klock noted that there are a few open positions within Society and suggest that the Arkansas chapter pursue positions.
- CRC – Tyler TX - April 28-30 Forrest asked that everyone to participate – The website is up and running. Suggested that people register soon for the early discount.
- Mark Eley – President Elect / CTTC
 - Mark asked about some general information about the upcoming CRC at Tyler, TX (training sessions, schedules and other information). Bill Klock indicated that there is a schedule, however it has not been published on the website.
 - PAOE points have been updated.
 - CIQ – Everything is filled with the exception of refrigeration.
 - Past Presidents Night – currently scheduled for May 12th – possible discussion related to potential conflicts.
 - Technical Awards – Submission from Terry Jacks and Rick Sellers.
 - Seminar today had the highest RSVP (45 with 5 guests) this year.
- Max Good – Treasurer
 - Max will be closing the old CRC account.
 - No additional comments on moving the accounting system to a cloud based applications to avoid computer transfer issues in the future. This is still in the works.
 - It was noted that there is still an issue with the PayPal system related to limits for the transfers. Working on the issues and to transfer the account to the Arkansas ASHRAE tax ID #.
 - Max did provide to Forrest a Profit/Loss statement and bank account summary. There were a few items that needed to be clarified. Forrest would circle back to Max for clarifications.
- Ron McCarty – Secretary
 - Copiers of the last Meeting minutes were distributed
- Josh Faulkner – Student Activities
 - Josh has reviewed and will be updating his PAOE to capture the recent number of student visits that were performed this month. A total of six visits were completed.
 - He will be contacting his RVC.
 - Scholarships to the three applicants will be awarded at the meeting today. Two applicants from UALR and one from Arkansas Tech. The names are Spencer Young and Trent Smith from UALR and Caleb Charter from ATU.
 - Bill Simpson added a few positive comments related recent number of K-12 visits and the effort that was put forth to get students to the winter meeting.
- Phil Watson – Membership
 - PAOE points have been updated.
 - YEA PAOE points have also been updated.
 - Contacted RVC and had some discussion related to membership upgrades.
 - Working on delinquencies
 - Upgrades for the month – Two
 - New member for the month – One – This person will be recognized at the meeting today.
 - Five Guests are at the meeting today.
- Drew Grant – Electronic Communications
 - Website and Facebook page have been updated.
 - Has contacted his RVC
 - Still working on getting a full time Social Media Chairperson identified.
 - Still working on the newsletter and Membership Hall of Fame information to the website.

- Melanie Richardson - Sustainability
 - Habitat for Humanity deconstruction project on February 27th went well and was very successful. Working on another project for April.
 - April Meeting will be our Sustainability Meeting – Topic will be ASHRAE Standard 189.1
 - Car Pool Raffle will be held today.
- Josh Robinson - YEA
 - He is setting up another YEA event for the upcoming Month.
- Russell Black – Historian
 - Last month drafted a complete inventory of all the historical memorabilia that cannot be scanned. He will post this information to the website.
 - Still working on getting the CRC report posted to the website.
 - Has two leadership recalls in the process (Rick Sellers and Bill Simpson).
 - Updated the historical honors and awards in up through 2015. This will be posted to the website. The list goes back to 1972.
 - Working with Phil Watson to get an updated list of Life members so that we can invite them to Past Presidents Night in May.
- Jake Skinner – Newsletter
 - No comments
 - Due date is March 25th.
- Terry Jacks – Research Promotion
 - Terry has been in contact with his RVC and provided updates.
 - We are at 2nd for the Region for Research Promotions.
 - Currently we are at \$23,478 and we are ahead of last year at this time by \$5,500.
 - PAOE Points have been updated.
 - Has started the calling campaign to companies.
 - The plan is to be at goal by April 25th
 - Poker Night is scheduled for tomorrow night and will be announced at the meeting today.
- Chance Hollingsworth – Grassroots Government Affairs Committee
 - No updates
- Jared Hendrickson and Courtney Michael – Honors and Awards
 - Met last week and are working on the list for Nominees. Getting information together for the email voting process.
 - Will be getting with Forrest to review the Bio's and to go over the Point system. Also will discuss Russell Black.

Meeting Adjourned: 11:20

ASHRAE Joint Meeting! and Luncheon

April 6th, 11:30am—1:00pm
Camp Aldersgate Commons Building

11:30am—12:00pm: Announcements and Lunch Buffet

12:00pm—1:00pm: Standard 189.1, 2014 for High
Performance Green Buildings, Lunch Program
with Dr. Thomas Lawrence

**RSVP! Seating
is Limited!**

Approved for AIA & GCBI Credits



Thomas Lawrence, Ph.D.

College of Engineering
University of Georgia

ASHRAE Distinguished Lecturer I

Lunch Program—Standard 189.1, 2014 for High Performance Green Buildings

ASHRAE, in conjunction with the U.S. Green Building Council and the Illumination Engineers Society, have developed a Standard for High Performance, Green Buildings (Standard 189.1). The Standard provides the minimum requirements for a high-performance green building, and was developed with the intent to provide a balance of environmental factors involved with designing, building, and planning for the operation of buildings. This session provides a detailed look at the standard, the background on its development and updates on modifications made with the 2014 release, and what is foreseen for its application and ultimate adoption.

Speaker Spotlight:

Dr. Lawrence is a Senior Public Service Associate with the University of Georgia, and has 30 years of professional experience in engineering and environmentally related fields. Before going back for his Ph.D. in Mechanical Engineering at Purdue, he spent approximately 20 of those years in industry and consulting. He is the chair of ASHRAE Technical Committee 2.8, "Building Environmental Impact and Sustainability", and is a member of the committee which wrote the ASHRAE standard on high-performance green buildings (Standard 189.1). As an ASHRAE Distinguished Lecturer, he gives presentations and workshops on green building design at venues around the world. At the University of Georgia, Dr. Lawrence teaches courses in Building HVAC, Green Building Design, Residential Building Design, and Heat Transfer. Dr. Lawrence has a B.S. with Highest Distinction honors in Environmental Science from Purdue University (1978), a M.S. in Mechanical Engineering from Oregon State University (1982) and a second M.S. degree in Engineering Management from Washington University earned in 1989. He received a Ph.D. in Mechanical Engineering from Purdue University in the spring of 2004 researching the impacts of demand-controlled ventilation on energy consumption and indoor air quality in smaller commercial buildings.



Special thanks to go out to each of our 2015-2016 Contributors:

Honor Roll (\$100-\$249)		Antique (\$250-\$499)
BR McGinty Mechanical Contractors	Mr Christopher R Ladner	Ed's Supply Co. of Little Rock, Inc.
IHP Industrial Incorporated	Mr Jeffrey A Maynard	Energy Engineering Consultants, Inc
Mr Christopher J Ahne	Mr Ron McCarty	Jack T Carter Company Inc
Mr Zachary Alderman	Mr Steven M McConnell	Mr Jay Chance Hollingsworth
Mr Brett A Bolan	Mr David W McCroskey, Jr	Mr Michael F Moseley
Mr Sam C Browning	Mr William McGehee	Mr Randall M Ragsdale
Mr Mark S Eley	Mr Courtney Michael	ASHRAE Associate (\$3,000-\$4,999)
Mr Maxwell A. Good	Mr Nicholas R Moore, III	Past President Terry Jacks Endowment
Mr Thomas J Hanlon	Mr Rick L Sellers	Arkansas ASHRAE Hall of Fame Endowment
Mr Drew Harrison	Mr William P Simpson	Golden Circle (\$10,000-\$19,000)
Mr William A Harrison	Mr Jake Skinner	Arkansas ASHRAE Chapter
Mr Davin J Hicks	Mr William E Tinsley	
Mr Terry J Jacks	Mr Mark R Wolthuis	
Mr Kerry L Jones		

Thank you to The Arkansas ASHRAE Chapter has a history of being one of the most generous chapters in all of ASHRAE Society. Nearly every year, members and friends of the Arkansas Chapter donate more on a \$/member basis than any other chapter. We have an ambitious goal to raise **\$56,000** for research, and it is important to note that we will come up short without each and every member getting involved in the campaign. Please consider making your tax-deductible donation today. Donations can be made online at www.ashraerp.com/donate, or you can give your cash or check donations to me at any of our monthly meetings.

Thanks,
Terry Jacks
2015-2016 Arkansas ASHRAE Resource Promotion Chair



More details coming soon! Watch for Webinar Email Registration or go to ArkansasASHRAE.org and click on “Meetings”.

Location will be [Harrison Energy Partners, 11:30 AM—3:00 PM, April 21st](#) Cost: \$10 (Includes box lunch for those who RSVP)



Making Net Zero Net Positive: Solving the Efficiency & Cost Paradox

April 21, 2016 | **11:30 AM—3:00 PM**

*Brought to you by the ASHRAE Chapter
Technology Transfer Committee.*

This webcast will feature industry experts who will define the importance of, and why we should strive for, net zero in the built environment. Viewers will be able to identify behaviors that create more effective ownership, design and construction teams, and will recognize the value of a collaborative process in building design and the impact on costs. With a strong emphasis on real-world applications, the program will also discuss the primary technical and financial challenges in achieving net zero buildings, and where this design approach can best be applied.

Attend this FREE webcast program and you may be awarded 3 Professional Development Hours (PDHs), 3 AIA Learning Units (LUs), or 3 GBCI Continuing Education Hours (CEs).

www.ashrae.org/webcast



ABOUT OUR SPEAKERS



T. DAVID UNDERWOOD, P.ENG., FELLOW ASHRAE, LIFE MEMBER, CPMP

ASHRAE PRESIDENT | OAKVILLE, ONTARIO, CANADA

As ASHRAE's president, Underwood chairs the Society's Board of Directors and Executive Committee. His presidential theme is "Making Connections." Underwood was awarded a Bachelor of Science in Civil Engineering from the University of Manitoba. Immediately upon graduation, he entered the HVAC&R industry and was employed by a major products manufacturer for approximately 10 years. In 1975, Underwood founded Isotherm Engineering Ltd., an HVAC&R design-build enterprise, which continues to be operational.



MARC BRUNE, P.E.

SENIOR ASSOCIATE AND MECHANICAL ENGINEER | PAE | PORTLAND, OR

Marc is a senior associate and mechanical engineer with PAE, a national leader in sustainable design. Marc's focus is on integrated design and leveraging architectural, mechanical, electrical and plumbing systems to work together to achieve sustainable and cost effective buildings. Marc has led the development of mechanical design, energy modeling, and comfort modeling for several buildings that have achieved or are pursuing net zero energy goals. Marc has more than 14 years of experience and holds a Master's degree in Mechanical Engineering from the University of Washington and a Bachelor's degree from the University of Portland.



PHILIP MACEY, AIA

NATIONAL DIRECTOR OF COLLABORATIVE DELIVERY | JE DUNN CONSTRUCTION | DENVER, CO

Phil Macey is dedicated to the collaborative and expert delivery of high value and cost controlled facilities that will help shape the 21st century. An architect for over twenty five years, Phil brings specialized expertise in the design and construction of complex facilities for a wide range of commercial, research and manufacture clients. Phil has led teams in the creation of challenging projects, from net zero energy facilities to corporate headquarters and clean rooms to research labs. Phil joined JE Dunn Construction as the National Director of Collaborative Delivery, leveraging the power of collaboration in concert with BIM, prefabrication, Lean, and Last Planner System to bring owners and design teams high performance facilities on conventional budgets.



PAUL TORCELLINI, PH.D., P.E.

PRINCIPAL ENGINEER FOR COMMERCIAL BUILDING RESEARCH | NATIONAL RENEWABLE ENERGY LABORATORY | GOLDEN, CO

Paul Torcellini is a Principal Engineer for Commercial Buildings Research at the National Renewable Energy Laboratory (NREL), a DOE national laboratory. He is also on the faculty at Eastern Connecticut State University teaching sustainable energy courses. Paul was an instrumental part in creating the process to achieve the Zero Energy Building status for NREL's Research Support Facility and working on definitions for Zero Energy Buildings. Paul has been at NREL for 21 years and is a registered Professional Engineer holding a PhD from Purdue University. He has authored or co-authored more than 50 papers and articles related to energy efficiency and zero-energy commercial buildings. He has been key in the development of the Advanced Energy Design Guide series from ASHRAE and has chaired the project committees for two of the guides.



ASHRAE Region VIII CRC – April 28-30, 2016

Registration Link: www.ashrae.org/regionviiiirc



Social Events*

Welcome Reception – TJC West Campus Energy Center Tour/BBQ.
Wine & Cheese back at the hotel.

Friday Night Social – Bushman Pavilion
Wine/Liquor Tasting/Finger Foods/Entertainment

Presidents Luncheon - Friday

Awards Luncheon - Saturday

Technical Sessions – Friday PM

The History of Ventilation
Max Sherman

Technology Council Update
Charlie Culp

Partial Use/Partial Conditioning in Residential Design
Charlie Culp

Insights into the Next Generation Refrigerant for HVAC-R
Steve Kujak

Member Registration

By March 15th \$250
After March 15th \$275

Includes:

Business Meeting, Social Events, Tech Sessions, Workshops, & Hospitality.

YEA Member Registration

By March 15th \$225
After March 15th \$250

Includes:

Business Meeting, Social Events, Tech Sessions, Workshops, YEA Social, & Hospitality.

Companion Registration

By March 15th \$125
After March 15th \$150

Includes:

Welcome Reception, Friday Night Social, Companion Activities, & Hospitality.

General Registration \$125

Business Meeting, Workshops

Member Activities*

Cascades Country Club Golf - \$80

www.cascadesoftexas.com

Thursday, 12 PM Tee time

Companion Activities*

Rose Garden Tour – Friday PM

Kiepersol Wine Tasting & Tour – Saturday PM

*Transportation included

Holiday Inn® Tyler-South Broadway
5701 South Broadway
Tyler, TX 75703
T 903-579-8201 F 903-509-3931



\$110/night

STAY YOU.™

Business Meeting – Friday morning
Chair Workshops – Saturday morning
Agenda to Follow

[ASHRAE CRC Hotel Reservations](#)



**PLEASE COME OUT
AND SUPPORT CENTRAL
ARKANSAS ASHRAE AT
OUR ANNUAL FALL
GOLF TOURNAMENT.**
CHRISTINA LECUYER WILL BE
THERE. COME OUT AND
CHALLENGE HER FOR A
CHANCE TO WIN PRIZES.

4 man scramble

\$400 per team

Includes cart, refreshments,
mulligans(2 per player/18 holes),
door prizes and lunch @ 12:00.

SPACE IS LIMITED

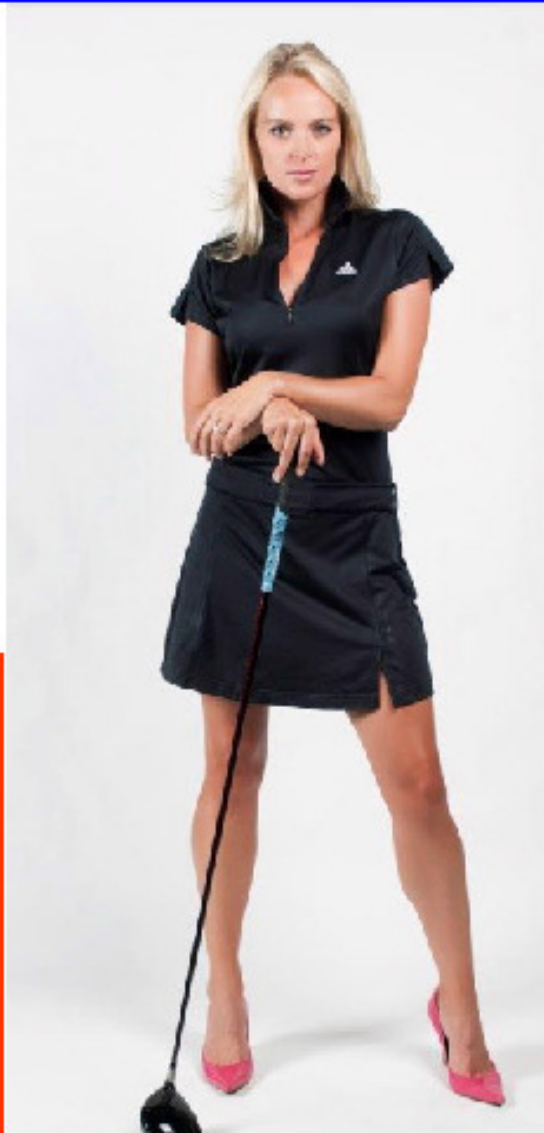
TO REGISTER:

CONTACT: TONY DeMARCO

501 680-0589

tony@airetechcorp.com

**2016 Arkansas
ASHRAE
Spring Golf
Tournament
Monday, May 9th
"Shotgun Start" 1:00
pm
Maumelle Country Club
Maumelle, Arkansas**





2016 Spring Golf Tournament

Monday May 9th "Shotgun Start" 1:00 pm

>Maumelle Country Club<

Maumelle, Arkansas

Entry Fee: \$400 per team (4 players per team)
Includes cart, refreshments, mulligans
(2/player/18 holes), and lunch at 12:00.

Format: 4-Man Scramble (First 24 teams)
Ties will be broken by score and hole handicaps.

Prizes: 1st, 2nd place teams. (2 flights)
Long Drive (in fairway) and CTP Prizes



Fill out form and e-mail tony@airetechcorp.com or fax to Tony DeMarco.
Airetech Corporation 7631 Northshore Pl. North Little Rock, AR 72118

Phone: 280-0404 Fax: 280-9200



Player 1: _____ **Player 3:** _____

Player 2: _____ **Player 4:** _____

Total enclosed: \$ _____

**Please make checks payable to "Arkansas ASHRAE" and send to
Arkansas ASHRAE P.O. Box 180 Little Rock, AR 72203**

\$ Don't forget to sponsor a Hole \$

___ I will sponsor a hole- \$100. Sign at a hole & recognized in ASHRAE newsletter

___ Corporate Sponsorship- \$200. Banners are allowed for corporate sponsorship
& will be recognized in the ASHRAE newsletter as a Corporate Sponsor (There will
be an area near the scoreboard to recognize corporate sponsors (owner provided))

___ I will donate \$_____ for prizes and awards

___ I will donate Merchandise (golf balls, towels, etc.)



Workers, Hole & Corporate sponsors & Prize Contributors will be recognized in the Arkansas
ASHRAE Newsletter. All proceeds go to **Arkansas ASHRAE**.

Name: _____ **Company:** _____

Signed: _____ **Date:** _____

Phone: _____ **Fax:** _____ **Email:** _____



SAVE THE DATE

for

2015—2016 Past Presidents Night

and

Arkansas ASHRAE Hall of Fame

MAY 12, 2016

Time: 6:00pm

Where: Country Club of Little Rock

4200 Country Club Blvd

Little Rock, AR 72207

More information to follow: If you have any questions please contact marke@2boonesales.com or dgrant@hobbsassociates.com

ASHRAE Learning Institute

2016 Spring 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)

Price: **\$284** (\$219 ASHRAE Member); Two-part courses: **\$484** (\$359 ASHRAE Member)

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

Combined Heat & Power: Creating Efficiency through Design & Operations

Mon, March 28, 2016 – 1:00 pm to 4:00 pm EDT

Commissioning Process & Standard 202

Wed, March 30, 2016 – 1:00 pm to 4:00 pm, EDT

IT Equipment Design Evolution & Data Center Operation Optimization

Wed, April 6, 2016 – 1:00 pm to 4:00 pm, EDT

Complying with Standard 90.1-2013: HVAC/Mechanical

Wed, April 13, 2016 – 1:00 pm to 4:00 pm, EDT

Laboratory Design: The Basics and Beyond

Mon, April 18, 2016 – 1:00 pm to 4:00 pm, EDT

Standard 188-2015 – Successfully Managing the Risk of Legionellosis

Mon, April 25, 2016 – 1:00 pm to 4:00 pm, EDT

Air-to-Air Energy Recovery Applications: Best Practices

Wed, April 27, 2016 – 1:00 pm to 4:00 pm, EDT

Fundamental Requirements of Standard 62.1-2013

Mon, May 2, 2016 – 1:00 pm to 4:00 pm, EDT

Variable Refrigerant Flow System Design & Applications

Mon, May 16, 2016 – 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.

Exceeding Standard 90.1-2013 to Meet LEED® Requirements

Part 1: Mon, April 11, 2016 – 1:00 pm to 4:00 pm, EDT

Part 2: Wed, April 20, 2016 – 1:00 pm to 4:00 pm, EDT

Operations & Maintenance of High-Performance Buildings

Part 1: Tue, May 17, 2016 – 1:00 pm to 4:00 pm, EDT

Part 2: Wed, May 18, 2016 – 1:00 pm to 4:00 pm, EDT

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Cleveland • Halifax • Hong Kong • Kuala Lumpur

Miami • Minneapolis • San Francisco • Vancouver

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing 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 - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register.

FUTURE ASHRAE CONFERENCES

ASHRAE Region VIII CRC April 28-30, 2016

Registration Link: www.ashrae.org/regionviicrc

Business Meeting – Friday morning
Chair Workshops – Saturday morning
Agenda to Follow



The Engineaire is published monthly by the Arkansas Chapter of ASHRAE. Statements made in this publication are not expressions of the Society or of the chapter and may not be reproduced without special permission from the chapter.

2015-2016 CHAPTER OFFICERS

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Treasurer	Max Good	501.372.2900	mgood@cromwell.com
Secretary	Ron McCarty	501.374.5420	rmccarty@powersar.com

BOARD OF GOVERNORS

Rick Sellers	rsellers@pettitinc.com
Bill Simpson	bsimpson@harrisonenergy.com
Steve McConnell	smcconnell@lemvrw.com
Forrest Moseley (CRC Alternate)	forrest@airetechcorp.com
Terry Jacks (CRC Delegate)	tjacks@pettitinc.com

COMMITTEE CHAIRS

Membership	Phil Watson	pwatson@tmecorp.com
Student Activities	Josh Faulkner	jfaulkner@hobbsassociates.com
Programs	Mark Eley	marke@2boonesales.com
Historian	Russell Black	russell@airfiltersystems.com
Refrigeration	Tom Hanlon	thanlon@cromwell.com
Research Promotion	Terry Jacks	tjacks@pettitinc.com
Newsletter	Jake Skinner	razorback.report@gmail.com
YEA	Josh Robinson	jrobinson@harrisonenergy.com
Social	Tony DeMarco	tony@airetechcorp.com
Reception	Dan Allison	dallison@lemvrw.com
Webmaster	Drew Grant	dgrant@hobbsassociates.com
Sustainability	Melanie Richardson	mrichardson@brownengineers.net
GGAC	Chance Hollingsworth	chance@airetechcorp.com
Honors & Awards	Courtney Michael	cmichael@powersar.com

LOOKING FOR A JOB OR HAVE A POSITION TO FILL?

CHECK OUT THE LINK ON OUR WEBSITE:
[HTTP://WWW.ARKANSASASHRAE.ORG](http://www.arkansasashrae.org)

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