



## TOPICS THIS MONTH

- This Month at ASHRAE Iowa
- Presidents Corner
- Upcoming Meetings
- Research Promotion
- What's New With ASHRAE Iowa
- ASHRAE Society News
- CRC Updates

## This Month at ASHRAE Iowa Membership and Research Promotion (RP) Night

**Date:** Wednesday, October 18<sup>th</sup>

**Where:** Ramada Tropics Conference Center  
5000 Merle Hay Rd  
Des Moines, IA 50322

**Presenters:**

- Lee Buddrus, President and Owner of Acme Engineering & Manufacturing Corporation
- Dr. Kristen Cetin, Assistant Professor at Iowa State University

**Presentations:**

- Current status of fan energy regulation for the Department of Energy, for ASHRAE 90.1 & TC5.1 Fan Technical Committee, and for the California Energy Code
- Your RP donations at work at our local research university
- Status updates from the Research Promotions and Membership Promotion committees

**Schedule:**

5:00 – Social  
6:00 – Dinner  
6:20 – Business Update, RP & MP Talk  
6:45 – Presentation  
7:30 – Questions & Answers

**Cost:** Free for ASHRAE Iowa members; \$20 for non-members; Always free for students

## Fall Frolic



Congratulations to the winners of the 2017 Fall Frolic: Luke Miller, Tim Conrad, Joe Moench, and Mitch McColloch

# PRESIDENT'S CORNER:

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Happy Fall Everyone!

We kicked off our 2017-2018 ASHRAE season last month with our annual Fall Frolic. We had 92 golfers that helped us celebrate the new society year. A large thank you goes out to all the golfers, volunteers, and sponsors. This tournament is vital for our Research Promotion (RP) campaign.

Our October 18<sup>th</sup> dinner meeting is around the corner. We are hosting our meeting at the Ramada Inn on Merle Hay Road. Lee Buddrus, President and Chairman of Acme Engineering & Manufacturing, will be joining us to speak about “The Current Status of Fan Energy Regulation for the Department of Energy, for ASHRAE 90.1, and for TC5.1 Fan Technical Committee.

Our October meeting will also be our Membership Promotion Night and Research Promotion (RP) Night. We are privileged to have Kristen Cetin, Associate Professor at Iowa State University, join us. She will give us a brief update on her research at Iowa State. If you're available October 18<sup>th</sup>, please stop by to see how your RP contributions are supporting research locally.

Save the date for November 15<sup>th</sup>! We will be making our annual voyage up to Ames for student night. Our dinner will be hosted at Olde Main with a tour to follow on campus.

As the spring nears, please help us spread the word. We will be the host chapter for Region VI's Chapter Regional Conference (CRC). In the coming weeks we will publish more details. Our committee has already been working for over two years on the planning.

We hope to see you October 18<sup>th</sup>!

**Luke Miller ([email](#))**  
**Iowa Chapter President 2017-2018**

**ASHRAE Iowa Chapter**  
[www.ashraeiowa.org](http://www.ashraeiowa.org)

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# PAST ASHRAE IOWA CHAPTER PRESIDENTS

Andrew Pospisal	2016-2017
Matt Gumm	2015-2016
Justin Barrett	2014-2015
Tim Conrad	2013-2014
Matt Jesson	2012-2013
Kelly Crow	2011-2012
Holly Elbert	2010-2011
Roger Leshner	2009-2010
Kit Cartwright	2008-2009
Jerrod Sieverding	2007-2008
Jason Kems	2006-2007
Chuck Heldenbrand	2005-2006
Jeff Gross	2004-2005
Ron Engelhardt	2003-2004
Dan Zaug	2002-2003
Susan Oltrogge	2001-2002
Christopher Nelson	2000-2001
Donald Swanson	1999-2000
Edward Truslow	1998-1999
James Hall	1997-1998
Robbin Vannoy	1996-1997
Mark Conway	1995-1996
Paul Melton	1994-1995
Gregory Maxwell	1993-1994
Jeffery Hammer	1992-1993
Jack Culp	1991-1992
James Lee	1990-1991
Clint Leonard	1989-1990
Charles Pedersen	1988-1989
Gary Reynolds	1987-1988
Dennis Hogan	1986-1987
Eugene Zefron	1985-1986
Donald Hagge	1984-1985
Robert Rist	1983-1984
Joseph Proctor	1982-1983
Mark Allen	1981-1982
Curtis Klaassen	1980-1981
Gerald Anderson	1979-1980
C.W. Miller	1978-1979
Richard South	1977-1978

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Verne Stewart	1976-1977
Curtis Hammer	1975-1976
Ralph Schilling	1974-1975
Donald Bonicamp	1973-1974
Kent Mosher	1972-1973
Thomas Van Hon	1971-1972
Robert McBride	1970-1971
William Whitman	1969-1970
Einar Dahl	1968-1969
Eugene O'Neil	1967-1968
James Green	1966-1967
Neil Hanson	1965-1966
Bob Flanagan	1964-1965
Lyndon Kelley	1963-1964
Elwood Giberson	1962-1963
Vern Polly	1961-1962
John Bain	1960-1961
Crom Campbell	1959-1960
R.T. Howard	1958-1959
W.A. Schworm	1957-1958
D.E. Schroeder	1956-1957
G.J. Kraai	1955-1956
W.E. Nanes	1954-1955
J.F. Sandfort	1953-1954
R.H. Schnell	1952-1953
C.H. McGuinness	1951-1952
R.S. Stover	1950-1951
D.E. Wells	1949-1950
D.C. Murphy	1948-1949
C.A. Wheele	1947-1948
E.O. Olson	1946-1947
B.E. Landes	1945-1946
W.W. Stuart	1944-1945
C.W. Helstrom	1943-1944
P.E. Triggs	1942-1943
Perry LaRue	1941-1942
R.A. Norman	1940-1941
Tracy Johnson	1939-1940
W.R. White	1938-1939

## November Meeting

### Student Night

**Date:** Wednesday, November 15th

**Location:** Olde Main  
316 Main St  
Ames, IA 50010

**Topic:** Meeting the Iowa State ASHRAE Student Chapter and tour on Iowa State's campus.

More details to come!

### Fall YEA Meeting:

Next YEA event will be in November. Details to come. Go wild!

## Future Meetings

Month	Date	Location	Topic
September	29	The Legacy Golf Club	Fall Frolic Golf Outing
October	18	Ramada Tropics	Membership & RP Night
November	15	Ames	Student Night
December	11	Holiday Inn	SMCI / CSI Joint Meeting
January	17	Baker Group Offices	Advanced Prefabrication Techniques & Tour
February	15	TBD	Refrigeration DL Presentation
March	28	TBD	MP, RP, & History Project
April	19	TBD	ASHRAE Webcast – Myths About Energy Efficiency
May	TBD	TBD	Spring Fling Golf Outing

January	20-24	Chicago, IL	2018 Winter Conference
May	3-5	Des Moines, IA	Region VI CRC
June	23-27	Houston, TX	2018 Annual Conference

## ASHRAE Iowa Research Investors 2017-2018

Go to <http://ashraerp.com> to donate online. Please contribute all donations to the Endowed Research via ASHRAE Foundation.

Individual Investors HR = Honor Roll participants \$100 min		6.3% OF GOAL	\$18,750.00 -TO GO!	Company Investors HR = Honor Roll participants \$150 min	
Mr Eric R Peterson	HR	\$18,000			
Mr Mark G Conway	HR	\$17,500			
Mr Jason E Kems	HR	\$17,000			
Mr Corey B Metzger	HR	\$16,500			
Mr Michael K Gustafson	HR	\$16,000			
Mr Luke Miller	HR	\$15,500			
Mr Rodney Heston	HR	\$15,000			
Mr Brian A Steffens	HR	\$14,500			
Mr Daniel L Ponxs	HR	\$14,000			
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		\$1,500	\$1,250.00		
		\$1,000			
		\$500			
		\$0			

Your contribution puts us closer to achieving our goal. Please send what you can today!

This year, the BOG is encouraging you to donate online in an effort to save paper and increase the efficiency of the RP donation process. Please visit the ASHRAE RP Donation page [here](#). ASHRAE provides options for you to determine where to place your donation. The Iowa Chapter is looking to increase its endowment and would appreciate it if you would place your donation in the box available next to "Endowed Research via ASHRAE Foundation", check the box indicated that you understand that those funds are restricted for the support of ASHRAE Research, and put "Iowa Chapter" in the "Existing Fund Name (If known):" box. From there it's as simple as any other online purchase with a credit card.

Don't forget that ASHRAE is a 501(c)(3) organization. Contributions are deductible as allowed by law. A receipt will be sent to the address listed above.

If you would still prefer to donate by check or have any further questions about the donation process, please contact [dponxs@woodmaninc.com](mailto:dponxs@woodmaninc.com).

**Thank you for your donation!**



A new society year means new faces on your Iowa Chapter Board of Governors (BOG). The Board is working hard to serve your needs and is eager to make your acquaintance. Look for these fine folks in their fresh ASHRAE Iowa BOG polos at upcoming meetings to learn more about the board, to share your opinions on how the chapter can better serve you, or simply to make a new friend!



### PROPOSED AMENDMENT TO IOWA CODE CHAPTER 542B

#### 542B.3 Engineering and land surveying examining board created.

An engineering and land surveying examining board is created within the professional licensing and regulation bureau of the banking division of the department of commerce. The board consists of ~~four~~three members who are licensed professional engineers, ~~one~~two members ~~who is~~are ~~a~~a licensed professional land surveyor ~~or a professional engineer who is also a licensed professional land surveyor~~, and two members who are not licensed professional engineers or licensed professional land surveyors and who shall represent the general public. An individual who is licensed as both an engineer and land surveyor may serve to satisfy the board requirement for either a licensed professional engineer or a licensed professional land surveyor. Members shall be appointed by the governor subject to confirmation by the senate. A licensed member shall be actively engaged in the practice of engineering or land surveying and shall have been so engaged for five years preceding the appointment, the last two of which shall have been in Iowa. Insofar as practicable, licensed engineer members of the board shall be from different branches of the profession of engineering. Professional associations or societies composed of licensed engineers or licensed land surveyors may recommend the names of potential board members whose profession is representative of that association or society to the governor. However, the governor is not bound by the recommendations. A board member shall not be required to be a member of any professional association or society composed of professional engineers or land surveyors.

If interested in providing feedback, please respond in writing by October 23, 2017. Emails may be sent to – [robert.lampe@iowa.gov](mailto:robert.lampe@iowa.gov) or hard copy responses may be sent to:

Robert Lampe  
Iowa Engineering and Land Surveying Examining Board  
200 E. Grand Avenue, Suite 350  
Des Moines, IA 50309

For expanded rationale for the change please see the ASHRAE Iowa website [here](#).

## ASHRAE News

### Registration Opens for 2018 ASHRAE Winter Conference, AHR Expo

Registration is open for the 2018 ASHRAE Winter Conference, to be held in Chicago on Jan. 20–24, at the Palmer House Hilton. Registration is also open for the ASHRAE-cosponsored AHR Expo, to be held Jan. 22–24 at Chicago's McCormick Place. The ASHRAE Winter Conference features a technical program with more than 200 presentations and 300 speakers in eight conference tracks. The Conference also will include tours, social events, and keynote speaker Debbie Sterling, founder and CEO of GoldieBlox. In addition, ASHRAE Learning Institute (ALI) will offer two full-day, and five half-day seminars during the conference.

Advanced Registration ends November 2nd, so don't delay!



## Industry News

### ASHRAE Launches Global Training Center in Dubai

**ATLANTA (Sept. 19, 2017)** – ASHRAE celebrated the grand opening of its new Global Training Center in Dubai with a ribbon cutting ceremony and reception today. The Global Training Center will serve ASHRAE members and other building systems professionals in the Gulf Region and surrounding areas.

"ASHRAE and our members are working tirelessly toward our goal of extending our global community to better embrace our industry's shared needs and objectives," said 2017-2018 ASHRAE President Bjarne W. Olesen, Ph.D. "Dubai was an intentional and obvious location to establish the ASHRAE Global Training Center. In doing so, we hope to ensure the technical guidance we produce for all members continues to strengthen through global diversity. This center will empower our members in the Middle East with the knowledge they need to better serve the needs of their local communities."

The focus of the ASHRAE Global Training Center is to make curricula-based training conveniently available on a regular schedule. The training offered in the center is customized and scalable based upon climate, culture, suppliers, energy sources, prices, codes and construction practices. The center's instructors are engineers familiar with the intricacies of the Middle East.

### Microsoft Developing Pilot Data Center Powered by Natural Gas Fuel Cells

**SEATTLE**—Microsoft is trialing the concept of data centers run on gas-powered fuel cells. The software company is partnering with McKinstry and Cummins on a \$3.4 million, 20-rack installation in Seattle. Microsoft Cloud Infrastructure and Operations GM Christian Belady and principal Sean James recently announced the experiment, saying "We're excited... to build the world's first gas data center. In this pilot, racks are directly connected to natural gas pipes and fully powered by integrated fuel cells instead of traditional electrical gear." Microsoft says its research suggests that mass-produced fuel cells would reduce the cost of installing a new data center rack by at least 10%, and cut operating costs by 21%.

## ASHRAE Learning Institute 2017 Online Course Series

### 2 WAYS TO REGISTER

**Internet:** [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

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

One-part course (3 hours) **\$284 (\$219 ASHRAE Member)** – -- -- Two-part course (6 hours) **\$484 (\$359 ASHRAE Member)**

**NEW! Fundamental Requirements of Standard 62.1-2016**

Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

**Designing High-Performance Healthcare HVAC Systems**

Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

**Laboratory Design: The Basics and Beyond**

Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

**Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems**

Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016**

Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.

Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Variable Refrigerant Flow System: Design & Application**

Wednesday, November 29, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**

Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

## ASHRAE HVAC Design & Operation Training

### 2 Courses, 5 Days of Intense Instruction

Atlanta • Columbus • Denver • Dubai

### **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](http://www.ashrae.org/hvactraining) to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray ([kmurray@ashrae.org](mailto:kmurray@ashrae.org)) to discuss scheduling ASHRAE HVAC Training in your Chapter area.



The CRC committee continues to plan the event to ensure that have a great time and have the opportunity to gain valuable knowledge and professional development hours in central Iowa. If you would like to get involved please contact [Jason Kems](#). Major updates this month include hotel finalizations, official event transportation, and special events for the conference attendees!



Stay tuned for continued updates and check out the sponsors who have already gotten involved. All sponsors at the Yellow Ribbon and above threshold get recognition in each newsletter this society year, so don't miss out on the opportunity to reach your customers through ASHRAE.

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Contact [Luke Miller](#) if you are interested in sponsoring the 2018 ASHRAE Region VI CRC.

Sponsoring our monthly newsletter is a great way to advertise your business and support your Iowa ASHRAE Chapter. Please consider sponsoring for the 2017-2018 society year. Renewing and new sponsors need to send in payment immediately for inclusion in next month's newsletter. Please make checks payable to: ASHRAE Iowa. The cost is \$125.

**Send payment to:**

David Poetting  
ASHRAE Newsletter Sponsorship  
P.O. Box 3686  
Urbandale, IA 50323

Adam Puls is collecting cards for the sponsors. If you've paid and don't see your card here or would like to revise the card shown, send a card-sized PNG or JPEG file to: [apuls@shive-hattery.com](mailto:apuls@shive-hattery.com).