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## Iowa Stalks Monthly Newsletter - October 2019

### This Month at ASHRAE Iowa

#### Ethics Training in October

Date: Wednesday, October 23rd at Hyperion Field Club in Johnston

Tentative Schedule:

4:30-5:00 Registration and Check In

5:00-6:00 Social/Networking

6:00 to 6:30 Dinner

6:00 to 6:15 ASHRAE Updates

6:15 to 8:15 Presentation

8:15 to 8:30 Additional Social/Networking

#### Professional Ethics for Licensed Engineers

To ensure the public's safety, the Iowa Code defines the importance and expectation of ethical behavior for licensed engineers and land surveyors. Attend this interactive presentation to learn about behaving ethically and professionally in a business context, the principles behind ethical decision making and putting ethics into practice as a licensed engineer. This two-hour presentation will satisfy the State of Iowa's PDH Professional Ethics requirement. Rita Perea will be giving the presentation.

#### About Rita Perea

**Rita Perea** is an international speaker, best-selling author, executive coach, and talent development trainer. She is preparing to celebrate her 20th year as Founder and CEO of Rita Perea Leadership Consulting, Inc.

An experienced executive herself, she has helped business owners, leaders and professionals of all types reach their next level of success and become the highest version of their best selves so that they—and their teams—can thrive in the workplace. Her Iowa-based corporate clients have included Shive-Hattery Architecture + Engineering, Principal Financial Global Investors, Nationwide Insurance, Kemin International, and Meredith Publishing Corporation. Rita's online Professional Ethics for Engineers and Land Surveyors PDH courses can be found at the [SuccessAcademy.online](http://www.SuccessAcademy.online)

Rita can be reached at [www.RitaPerea.com](http://www.RitaPerea.com)

#### The 2019 Product Directory

Thank you to all sales representatives for advertising. The directory is available in PDF format on our website - <http://www.ashraeiowa.org/wp-content/uploads/2019/02/2019-Product-Directory.pdf>

If there are any questions, or you did not receive your directory please contact Holly Elbert at [helbert@bbsae.com](mailto:helbert@bbsae.com)

## President's Corner

Happy Fall Iowa Chapter! It has been a while since we last met at the Fall Frolic. The golf outing and the warm temperatures that came with it seem like a distant memory now. We are looking forward to getting together again next week.

Our next meeting is just around the corner. We will be meeting on October 23<sup>rd</sup> at Hyperion. Rita Perea will be giving a presentation on "Professional Ethics for Licensed Engineers". Rita is an accomplished speaker, author, executive coach, and talent development trainer. Her two-hour presentation will satisfy the State of Iowa's ethics PDH requirement. See our [website](#) for additional details and to register for the event.

Mark your calendars for November 19<sup>th</sup> for our annual student night in Ames. We will start the evening with a tour of the new Student Innovation Center, and then head over to Jethro's for some BBQ and drinks. We will also be awarding several scholarships to some well-deserving student applicants.

If you and/or your company would like to support our ASHRAE Research Promotion (RP) campaign, please take a few moments to visit our RP section of the newsletter. We have directions provided on how you can support our chapter. The Iowa Chapter has a reputation as an RP leader in our region and we plan to continue that trend this year. Thank you for your support!

We hope to see you on October 23<sup>rd</sup>!

David Poetting ([david.m.poetting@jci.com](mailto:david.m.poetting@jci.com))  
Iowa Chapter President 2019-2020

### ASHRAE Iowa Chapter

[www.ashraeiowa.org](http://www.ashraeiowa.org)

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Golf Outing Committee

## Past Presidents

Brian Steffans 2018-2019	Verne Stewart 1976-1977
Luke Miller 2017-2018	Curtis Hammer 1975-1976
Andrew Pospisal 2016-2017	Ralph Schilling 1974-1975
Matt Gumm 2015-2016	Donald Bonicamp 1973-1974
Justin Barrett 2014-2015	Kent Mosher 1972-1973
Tim Conrad 2013-2014	Thomas Van Hon 1971-1972
Matt Jesson 2012-2013	Robert McBride 1970-1971
Kelly Crow 2011-2012	William Whitman 1969-1970
Holly Elbert 2010-2011	Einar Dahl 1968-1969
Roger Leshner 2009-2010	Eugene O'Neil 1967-1968
Kit Cartwright 2008-2009	James Green 1966-1967
Jerrod Sieverding 2007-2008	Neil Hanson 1965-1966
Jason Kems 2006-2007	Bob Flanagan 1964-1965
Chuck Heldenbrand 2005-2006	Lyndon Kelley 1963-1964
Jeff Gross 2004-2005	Elwood Giberson 1962-1963
Ron Engelhardt 2003-2004	Vern Polly 1961-1962
Dan Zaug 2002-2003	John Bain 1960-1961
Susan Oltrogge 2001-2002	Crom Campbell 1959-1960
Christopher Nelson 2000-2001	R.T. Howard 1958-1959
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James Hall 1997-1998	G.J. Kraai 1955-1956
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Mark Conway 1995-1996	J.F. Sandfort 1953-1954
Paul Melton 1994-1995	R.H. Schnell 1952-1953
Gregory Maxwell 1993-1994	C.H. McGuinness 1951-1952
Jeffery Hammer 1992-1993	R.S. Stover 1950-1951
Jack Culp 1991-1992	D.E. Wells 1949-1950
James Lee 1990-1991	D.C. Murphy 1948-1949
Clint Leonard 1989-1990	C.A. Wheele 1947-1948
Charles Pedersen 1988-1989	E.O. Olson 1946-1947
Gary Reynolds 1987-1988	B.E. Landes 1945-1946
Dennis Hogan 1986-1987	W.W. Stuart 1944-1945
Eugene Zefron 1985-1986	C.W. Helstrom 1943-1944
Donald Hagge 1984-1985	P.E. Triggs 1942-1943
Robert Rist 1983-1984	Perry LaRue 1941-1942
Joseph Proctor 1982-1983	R.A. Norman 1940-1941
Mark Allen 1981-1982	Tracy Johnson 1939-1940
Curtis Klaassen 1980-1981	W.R. White 1938-1939
Gerald Anderson 1979-1980	
C.W. Miller 1978-1979	
Richard South 1977-1978	

## Upcoming Meetings

Mark your calendars! The chapter is working hard to put on a great set of events this year and we hope to see you there.

## Iowa Chapter Future Meetings

Subscribe	Past Issues			Translate ▼	RSS
	August	27	(TCI)	<i>Fall Frolic Golf Outing</i>	
	October	23	Hyperion Field Club - Johnston	Ethics / Membership & RP Night	
	November	19	Ames	Student Night & Tour	
	December	16	Holiday Inn (Downtown)	SMCI / CSI Joint Meeting	
	January	22?	TBD	Building Operators Panel?	
	February	19?	TBD	Refrigeration Meeting?	
	March	25?	TBD	Super-tech MP, RP, & History Project	
	April	TBD	At Your Desk!	ASHRAE Webcast	
	April	TBD	Val Lanes	Chapter Meeting and Bowling Tournament	
	May	TBD	Des Moines Golf and Country Club	Spring Fling Golf Outing	

### Society & Region Events

Month	Date	Location	Topic
February	1-5	Orlando, FL	2020 Winter Conference
May	7-9	Peoria, IL	Region VI CRC
June-July	27-1	Austin, TX	2020 Annual Conference

## What's New in the Iowa Chapter?

### ASHRAE to Promote STEM at DMACC

We are signed up for the DMACC STEM event that we did last year. We will be presenting our custom built air handling unit and reaching out to students to encourage engagement in the HVAC industry.

**STEM FESTIVAL**  
 Science • Technology • Engineering • Math  
**MONDAY, OCTOBER 28, 6pm-8pm**  
 DMACC ANKENY CAMPUS, FFA ENRICHMENT CENTER  
 Register at [scstemhub.drake.edu](http://scstemhub.drake.edu)  
**FUN, FAMILY-FRIENDLY, FREE**  
 event for 3rd-8th graders and families.  
 An evening of interactive STEM activities designed for students to EXPLORE, CREATE, MAKE, and LEARN about exciting opportunities in Science, Technology, Engineering and Math.

Questions? Contact  
 Amy Steenhoek  
[a.steenhoek@dmacc.edu](mailto:a.steenhoek@dmacc.edu)  
 or 515-965-7117  
 DMACC  
 2006 S. Ankeny Blvd.

Sponsored by  
**DMACC**  
 DES MOINES AREA  
 COMMUNITY COLLEGE  
 Life Calling™

DMACC CAREER DISCOVERY NETWORK  
 GREATEST STEMS FROM IOWANS

This is not a school district publication. It is being distributed through the school district as a community service of the District to inform you of other community activities or services available.

## Picture Day for the Board of Governors

At our last BOG meeting, we took a group photo with our new polos. Thank you Matt Gumm for your fine photography skills.



## Student Activities Committee Promotes the Importance of HVAC to ME 202 at Iowa State

Mike Wolfe, Student Activities Co-Chair, presented to the mechanical engineering (ME) 202 classes at Iowa State University on October 10th. He presented on HVAC technologies, the importance of proper design and how

# How you can get involved in HVAC

- ME Design Focus on HVAC
  - Fundamentals of HVAC (ME441)
  - HVAC Design (ME442)
- Student Chapter of ASHRAE
  - SCHOLARSHIPS!!
  - Tours, presentations, professional networking.
- Internships



## Some Sad News

Richard South passed away in July. He was the ASHRAE Iowa Chapter President 1977-1978. He and his wife Elvira had moved to Houston, TX a number of years ago and now recently moved into a senior living arrangement. He turned 92 on June 22.

## Research Promotion

Please consider donating to Research Promotion (RP). With the new year, we have a new goal. Any donation is helpful and appreciated. This year the Honor Roll levels are set at \$150 minimum for individuals and \$500 minimum for company investors. If you have any specific questions about how your donated money will be used, [please contact Tjaden Ahrens](#).

ASHRAE Iowa Research Investors 2019-2020		
Go to <a href="http://ashraerp.com">http://ashraerp.com</a> to donate online. Please contribute all donations to the Endowed Research via ASHRAE Foundation.		
Individual Investors HR = Honor Roll participants \$150 min	2.5% OF GOAL \$19,500.00 -TO GO!	Company Investors HR = Honor Roll participants \$500 min
Mark G Conway	HR \$20,000	
Luke Miller	HR \$19,500	
David Foetting	HR \$19,000	
Larry Dewey	HR \$18,500	
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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

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 Tjaden Ahrens](#).

**Thank you for your donation!**

## ASHRAE Society News

### Industry News

#### [Winners, Finalists Named in 2020 AHR Expo Innovation Awards](#)

Some of the most inventive and original products, systems and technologies that will be on display at the 2020 AHR Expo in Orlando, Fla., on Feb. 3–5 have been announced as winners and finalists for the annual AHR Expo Innovation Awards. Ten winners and 30 finalists were selected. The AHR Expo Product of the Year will be announced during the Expo.

#### [Research Group Develops High-Temperature Heat Pump](#)

Researchers at Jaume I University in Spain have designed a functional heat pump that can recover industrial heat waste at high temperatures. The new prototype uses HFC-245fa refrigerant, which has a high critical temperature and can therefore produce steam or pressurized water up to 140 degrees C (284 degrees F). While this refrigerant has a high GWP, the new prototype will allow for further testing to be done with lower-GWP refrigerants. [Read more](#)

#### [Impact of Water Utility Rates on Chiller Selection](#)

*By Judith M. Peters, P.E., BEMP, Associate Member ASHRAE*

Historically, a water-cooled chiller plant would deliver lower utility costs than a similar air-cooled chiller plant. This article discusses a study that compared the utility expense of operating an air-cooled chiller plant versus a water-cooled chiller plant across eight climatic zones as identified in ASHRAE/IES Standard 90.1-2016. The focus is on utility costs to the owner and the role of energy modeling in making the best possible selection. [Read More](#)

#### [ACEEE Reports States' Progress Toward Clean Energy](#)

The American Council for an Energy-Efficient Economy (ACEEE) has released its [2019 State Energy Efficiency Scorecard](#), a progress report on state policies and programs that save energy while producing environmental and economic benefits. The report ranks states using six policy areas, and findings reveal that a rising number of states are showing leadership on clean energy by adopting ambitious goals and energy-saving rules for buildings, appliances and vehicles. [Read more](#) and [download the report here](#).

#### [Study Shows That Daylight Levels Affect Thermal Perception](#)

Researchers at Ecole Polytechnique Federale de Lausanne (EPFL) in Switzerland have shown that perception influences a person's thermal comfort. Participants in the experiment spent time in a room with three temperatures and three daylight illuminance levels. People in the coolest room reported being more comfortable when there was more daylight, even though their body temperature was the same when the room used little daylight. [Read more](#)

#### [Cool Coalition Partners Announce Push on Efficient, Clean Cooling](#)

Region III Director and Regional Chair Dunstan L. Macauley, P.E., represented ASHRAE at the "We Will: Efficient, Clean Cooling for All" event this week in New York. The workshop assembled major stakeholders to promote the concept of "Clean Cooling" and how efficient cooling strategies are paramount to combating climate change. "This is an important opportunity for ASHRAE, as one of the leading organizations committed to reducing the impact of building systems to climate change," Macauley said. Cool Coalition partners announced major new commitments

## ASHRAE Learning Opportunities



### Advance your Career with ASHRAE Certifications

ASHRAE offers 7 certification programs that demonstrates a design professional's knowledge and skills in a practice area. The certifications allow you to stand out to potential clients and enhance your reputation.

#### Certifications offered:

- Certified HVAC Designer (CHD)
- High-Performance Building Design Professional (HBDP)
- Building Energy Modeling Professional (BEMP)
- Building Commissioning Professional (BCxP)
- Healthcare Facility Design Professional (HFDP)
- Building Energy Assessment Professional (BEAP)
- Operations & Performance Management Professional (OPMP)

Learn more at: <https://www.ashrae.org/professional-development/ashrae-certification>

## Newsletter Sponsors

Sponsoring our monthly newsletter is a great way to advertise your business and support your Iowa ASHRAE Chapter. Please consider sponsoring for the 2019-2020 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.

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Michael Gustafson 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: [gustafsonm@thebakergroup.com](mailto:gustafsonm@thebakergroup.com).



Pictured: ASHRAE golfers demonstrating how not to golf.





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