



## Iowa Stalks Monthly Newsletter - January 2020

### This Month at ASHRAE Iowa

#### January Meeting Information

Building Operators Panel Discussion

Program:

Join in an open discussion with building owners and operators from various industry segments. Panelists will share their experiences and the issues they face on a daily basis. All attendees are encouraged to actively participate in the discussion and bring any questions they have for the panelists.

When: Wednesday, January 22<sup>nd</sup>

5:30 – Social/Networking

6:15 – Dinner

7:00 – Panel Discussion

Location:

Hotel Renovo

11167 Hickman Rd

Urbandale, 50322

Cost:

Free for members; \$20 for non-members; Free for students.

### President's Corner

Happy New Year, Iowa Chapter! I hope you all had a wonderful holiday season and were able to spend some time with family and friends.

We are now officially in the home stretch of the ASHRAE Society Year. Thank you to everyone who has been able to attend an ASHRAE function this year. If you haven't been able to attend an event yet, we have plenty of opportunities for you in the coming months.

During his inaugural presidential address, ASHRAE president Darryl Boyce announced the new Society theme will be "Building for People and Performance. Achieving Operational Excellence." The theme focuses on overcoming the challenges associated with the efficient operation and performance of buildings. ASHRAE members are passionate about assisting building owners and operators to improve the operation of their buildings to meet the design intent and the operator's expectations. With that in mind, we have decided to support president Boyce's theme during our January meeting while also offering a more interactive format.

Please join us on January 22<sup>nd</sup> at Hotel Renovo for an open discussion on building operations. We will have a panel of building owners and operators from various markets in our industry joining us to share their experiences. We hope Iowa Chapter members will not only attend the meeting, but actively participate in the discussion and ask questions. More details and registration information can be found later in this newsletter.

On February 19<sup>th</sup>, we have the honor to host our Region VI Refrigeration Chair, Steve Kujak. He will provide a presentation titled "*Future of Refrigerants*". Details of the timing and location are still being finalized, so watch your inbox for more information in the coming weeks.

One last reminder that the ASHRAE Winter Conference is just around the corner on February

## ASHRAE Iowa Chapter

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

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Brian Steffens

#### Honors & Awards

Luke Miller

#### Membership

Tim Conrad

#### Product Directory

Holly Elbert

#### Refrigeration

Justin Barrett

1-5 in Orlando. Visit the conference [website](#) for more information. If you plan to be in Orlando, consider attending the Region V & VI Super Bowl viewing party and dinner on February 2<sup>nd</sup>. You can sign up for the event [here](#).

I look forward to seeing some familiar faces, as well as new ones, at these upcoming events!

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

### Research Promotion

Tjaden Ahrens  
Gary Thompson

### Student Activities

Mike Wolfe  
Joe Nielsen

### TEGA

Dan Ponxs

### YEA

Heidi Meyer  
AG Oviatt

### Golf Outing Committee

Jeff Hammer  
Nathan Edwards

## Past Presidents

Brian Steffens 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
Jerrold 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
Donald Swanson 1999-2000	W.A. Schworm 1957-1958
Edward Truslow 1998-1999	D.E. Schroeder 1956-1957
James Hall 1997-1998	G.J. Kraai 1955-1956
Robbin Vannoy 1996-1997	W.E. Nanes 1954-1955
Mark Conway 1995-1996	J.F. Sandfort 1953-1954
Paul Melton 1994-1995	R.H. Schnell 1952-1953

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

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

## 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

Month	Date	Location	Topic
August	27	Tournament Club of Iowa (TCI)	Fall Frolic Golf Outing
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	Hotel Renovo (Urbandale)	Building Operators Panel
February	19	TBD	"Future of Refrigerants," by Steve Kujak
March	25	Marriott Downtown	Super-tech MP, RP, & History Project
April	TBD	At Your Desk!	ASHRAE Webcast
April	TBD	Val Lanes	Chapter Meeting and Bowling Tournament
May	18	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?

### December Meeting Honored Past Presidents

At the December meeting at the Holiday Inn downtown, last year's president Brian Steffens was presented an award of appreciation for his support and service to the Iowa Chapter. Also pictured is all of the past presidents in attendance at that meeting.





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## Winter Conference Super Bowl Party

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If you're going to be attending the 2020 ASHRAE Winter Conference in Orlando, please consider attending the Super Bowl viewing party.

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# ASHRAE REGIONS V & VI SUPER BOWL VIEWING PARTY

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Join members of ASHRAE Region V and VI as we gather to socialize and watch the Super Bowl. Like the attendees in Miami, we will be dining on Caribbean food. There will also be a cash bar.

Where: **Café Tu Tu Tango** 8625 International Drive, Orlando, FL 32819

When: **Sunday, February 2, 2020** at 6:00 p.m.

Advance Cost: **\$50/person** | [www.ashrae6.org/registration](http://www.ashrae6.org/registration)

Same-day registration: **\$60/person at the door**

Eric Sturm: [esturm@trane.com](mailto:esturm@trane.com) | Jim Arnold: [jarnold@live.com](mailto:jarnold@live.com)

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## ASHRAE Technology Awards

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ASHRAE IOWA Members. We are at that time of year again where we ask our Members to submit projects for the ASHRAE Technology Awards. The Technology Awards recognize ASHRAE members who are involved in the

design of innovative and energy efficient buildings. Fill out the attached application and submit following the procedure below.

This year's chapter deadline is **April 3rd**

Projects may be new buildings, existing buildings, or commissioning of existing buildings and are divided into six categories:

- Commercial Buildings
- Institutional Buildings
- Health Care Facilities
- Industrial Facilities or Processes
- Public Assembly
- Residential

Prize: We are giving away **\$100 prizes** to the first-place winner in each of the six categories.

All projects must be complete and a minimum of one year of energy data must be submitted. Submissions are first reviewed at the Chapter level. Winners from this level are then submitted to the Regional Level. Regional winners may then be submitted to the Society level where winners are then published in the ASHRAE Journal. There are two submission forms, a short form and a long form. The short form is acceptable for chapter and regional level submissions. In order for a project to be able to compete at the Society level, a long form submission must be completed.

More information about the Technology Awards program and submission forms can be found on the [Technology Awards](#) page at the ASHRAE Iowa Website. Projects should be submitted electronically to Dan Ponxs. Contact information can also be found on the ASHRAE Iowa Technology Awards page.

The Technology Awards program is a great way for Members to gain recognition for their projects. The program also builds recognition for the member's employers and the owners of the buildings. I encourage all members take a look at their past projects and consider submitting any of them that are innovative or energy efficient.

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## 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		31.4% OF GOAL    \$13,729.88 -TO GO!	Company Investors HR = Honor Roll participants \$500 min	
Mark G Conway	HR	\$20,000		
Luke Miller	HR	\$19,500		
David Poetting	HR	\$19,000		
Larry Dewey		\$18,500		
Brian Steffens	HR	\$18,000		
Justin Barrett		\$17,500		
Christopher Nelson	HR	\$17,000		
Matthew Jesson		\$16,500		
Gary Thompson	HR	\$16,000		
Adam Puls	HR	\$15,500		
Tjaden Ahrens	HR	\$15,000		
Dale Vest	HR	\$14,500		
Michael Gustafson	HR	\$14,000		
Tyson Scheidecker	HR	\$13,500		
Ronald Engelhardt	HR	\$13,000		
Daniel Ponxs		\$12,500		
Daniel Zaug	HR	\$12,000		
Richard Kapustka		\$11,500		
ASHRAE IOWA CHAPTER	HR	\$11,000		
		\$10,500		
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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 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 Tjaden Ahrens](#).

**Thank you for your donation!**

## ASHRAE Society News

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## Industry News

### [ASHRAE Standard Updated to Align with Industry's Evolving Technologies](#)

ASHRAE's newly updated data centers energy standard includes a reduction of the maximum mechanical load component (MLC) and electrical loss component (ELC) for compliance in order to evolve with the IT industry's constantly changing technologies. ANSI/ASHRAE Standard 90.4-2019, *Energy Standard for Data Centers*, establishes the minimum energy efficiency requirements for the design and operation of data centers and includes two key updates. [Read more](#)

### [Astronauts Replace Coolant Pumps on International Space Station](#)

Two astronauts spent more than six hours installing replacement coolant pumps during a spacewalk on Monday. The astronauts attached the 350-lb (159 kg) pump module to the 6.8 metric ton Alpha Magnetic Spectrometer (AMS), plugged in power and data cables and spliced together eight existing coolant lines. The AMS was not designed to be serviced in orbit, so connecting the coolant lines while working in pressurized spacesuits was especially challenging. [Read more](#)

### [MIT Creates System that Cools Without Using Electricity](#)

A new system provides cooling with no electricity by using the process of radiative cooling. The device, which has no moving parts, uses an aerogel insulation that blocks and reflects visible rays of sunlight. The system can keep fruits and vegetables from spoiling and can help double the time the produce remains fresh in remote places where reliable power for refrigeration is not available. [Read more](#)

### [Retrofitting HVAC Systems Could Create Renewable Energy Opportunities](#)

Researchers are proposing retrofitting air-conditioning units as integrated, scalable and renewable-powered devices capable of decentralized CO<sub>2</sub> conversion and energy democratization. Adapting air conditioning systems to be able to capture and convert carbon dioxide and water into renewable hydrocarbon fuels can create oil wells. The oil wells can be tapped, shared and stored, with the option for the property owner to receive payment for any excess fed into a renewable oil grid. [Read more](#)

### [Water Battery Powers Air-Conditioning Systems](#)

A three-story "water battery" is producing enough energy to power a university's air-conditioning systems, which is reducing its reliance on the grid by more than 40%. The water battery is a thermal energy storage system that uses energy generated by a 2.1-megawatt photovoltaic system to cool 4.5 megaliters of water resting inside a three-story tank. The campus' air-conditioning systems use the cooled water. [Read more](#)

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## 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.