



Iowa Stalks
Monthly Newsletter - May 2019

This Month at ASHRAE Iowa

Habitat For Humanity

Date: Friday, June 7th

Time: 8:00 to 11:30 AM

Below is a sign up link for all volunteers coming out with us. Each individual planning on coming out should sign up by **Wednesday, May 29th**. This is when we'll shutdown the sign-up to allow Habitat for Humanity's construction managers to accurately plan their week and our team's tasks. On **Friday, May 31st**, those who registered will receive an email with the site location, what to wear, and other important information.



**ASHRAE Community Sustainability Project
Greater Des Moines Habitat for Humanity**

**Friday, June 7th 2019
8:00 AM to 11:30 AM**

Give back to our community!
Help share your engineering and construction knowledge!



Sign up on the GDM Habitat for Humanity Website
at this link to join us and help out:

[ASHRAE Habitat Sign Up Link](#)

ASHRAE's Community Sustainability Project program is designed to share the engineering knowledge of our members to improve the world around them. The program was launched as part of the presidential theme, "Broadening ASHRAE's Horizons," of 2012-13 President Thomas E. Watson, P.E., Fellow ASHRAE, Life Member

The 2019 Product Directory is complete!

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

President's Corner

Greetings fellow members,

The 2018-2019 chapter year is winding down and this will be my last Presidents Corner for the year.

CRC in Milwaukee this past weekend was a blast! As usual, our chapter had an impressive showing. While our chapter had the most attendees travel the furthest, we didn't win the Hornblower award. Maybe next year we'll get Zaug back to help us win it! Be sure you make it all the way to the end of the newsletter to see Dan celebrating years ago.

ASHRAE Iowa Chapter

www.ashraeiowa.org

- Board of Governors -

Tjaden Ahrens

Matt Jesson

Matt Peters

Sara Schmerbach

- Officers -

President

Brian Steffens

President Elect

David Poetting

My time serving as your ASHRAE Sensei has been great, and I hope you enjoyed the year. I want to thank everyone on the Board of Governors (BOG) and all the committee chairs for their hard work in creating another successful year. A big thanks also needs to go out to all our local companies for their sponsorships that help fund our events as well as those who support their employees that are a part of the board. ASHRAE is an all-volunteer organization, without this generous support, we cease to exist.

I'm putting together one last event as a give back to our community. We will be having an ASHRAE Habitat for Humanity build day on June 7th from 8:00 AM to 11:30 AM. Sign up on our website and come out and join us.

Starting in July, David Poetting will take over as President and I have full confidence he will lead us through another amazing year.

Have a great summer, I'll see you all again in the fall!

Brian Steffens (bsteffens@shive-hattery.com)
Iowa Chapter President 2018-2019

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Adam Puls

Secretary

Tyson Scheidecker

- Committee Chairs –

Attendance

Dan Zaug

Auditing

Joe Moench

CTTC

Matt O'Banion

Peter Erzen

eCommittee

Jason Kems

Chris Clausen

Education

Kit Cartwright

Matt Gumm

GAC

Matt Swenka

Historian

Luke Miller

Honors & Awards

Andrew Pospisal

Membership

Tim Conrad

Product Directory

Holly Elbert

Refrigeration

Justin Barrett

Research Promotion

Michael Gustafson

Ted Gerber

Student Activities

Mike Wolfe

Joe Nielsen

TEGA

Dan Ponxs

Emmett Konrad

YEA

Heidi Turner

AG Fleckenstein

Past Presidents

Luke Miller 2017-2018
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 Lesher 2009-2010
Kit Cartwright 2008-2009

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

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

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

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

Month	Date	Location	Topic
September	12	The Legacy Golf Club	Fall Frolic Golf Outing
October	17	Ramada Tropics	Membership & RP Night
November	14	Ames	Student Night & Tour
December	12	Holiday Inn	SMCI / CSI Joint Meeting
January	23	Hotel Renevo	UFAD Systems
February	12	Hy-Vee Commissary Tour	Refrigeration Meeting
March	18	Operating Room	YEA Spring Outing
March	20	Des Moines Marriott Downtown	Super-tech MP, RP, & History Project
April	18	At Your Desk!	ASHRAE Webcast
April	23	Val Lanes	Chapter Meeting and Bowling Tournament
May	9	Echo Valley	Spring Fling Golf Outing

Society & Region Events

Month	Date	Location	Topic
January	12-16	Atlanta, GA	2019 Winter Conference
May	2-4	Milwaukee, WI	Region VI CRC

What's New in the Iowa Chapter?

Iowa Chapter takes home awards at CRC

The Iowa Chapter had three members take home honors at the annual CRC in Milwaukee. Andrew Pospisal won the Gold Ribbon for History Award. Paul Melton received a Chapter Service Award. Justin Barrett received a Chapter Service Award. Please congratulate them if you see them!

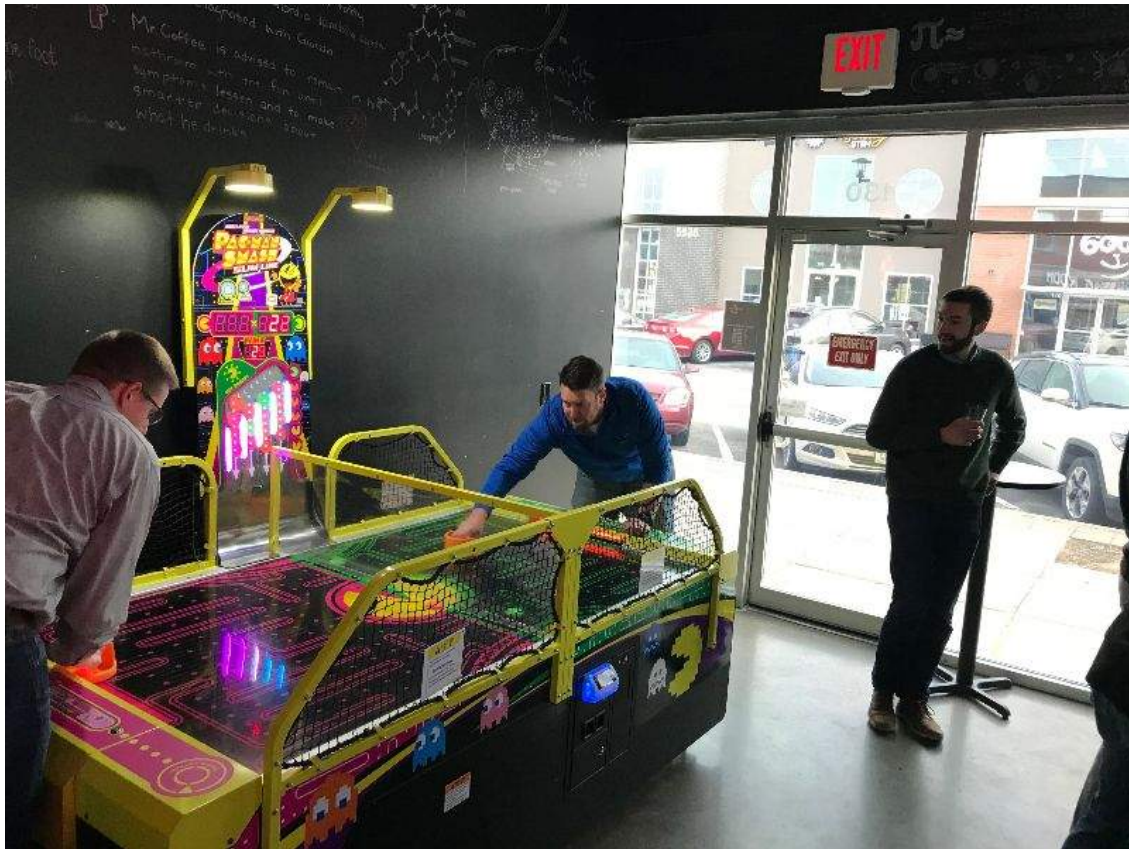
In addition, our chapter as a whole received the following awards:
Presidential Award of Excellence, Star Award, & Special Citation





YEA Outing & Bowling

Two great events were put on by the YEA committee and Andrew Pospisal in the past couple of months. The YEA group went to the Operation Room in March and Andrew organized the second annual bowling outing. Big thanks to the YEA chairs, Heidi Meyer and AG Oviatt, and Andrew for organizing the events. Be on the lookout for a summer YEA event!







AESP Midwest Chapter Meet-up

SMART SPEAKERS AND HOME AUTOMATION

AESP MIDWEST CHAPTER
IOWA SATELLITE MEET-UP

•
MAY 2019



Smart speakers can be a tool for customer engagement, energy efficiency, and the hub of the smart home. Xcel Energy is pioneering these opportunities to deepen customer engagement through smart speakers.

This is the first "satellite" event of the Midwest Chapter of the Association of Energy Service Professionals (AESP). Come find out why AESP the best networking group in the energy industry!

Who is speaking?

Chad Gilhoi is a Product Portfolio manager in the CX group at Xcel Energy in Minneapolis. He is currently leading the initiative at Xcel to develop an authenticated voice experience on Google Assistant, launching in April 2019.



For more info and registration:

<https://tinyurl.com/y6zh4ys7>

Any questions?
Contact Vinoth Sekar vsekar@willdan.com



When:

Thurs, May 16, 2019
11:30 am – 2 pm

Where:

The Weidt Group,
A Willdan Company
10858 Meredith Drive,
Urbandale, IA 50322

Cost:

\$10 (Lunch will be provided)

Credit:

1 Professional Development
Hour (PDH)

Research Promotion

Please consider donating to RP if you haven't already. With the new year, we have a new goal. Any donation is helpful and appreciated. If you have any specific questions about how your donated money will be used, [please contact Michael Gustafson](#).

ASHRAE Iowa Research Investors 2018-2019				
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		50.2% OF GOAL \$9,965.55 -TO GO!	Company Investors HR = Honor Roll participants \$250 min	
Mr. Mark G. Conway	HR	\$20,000	ASHRAE Iowa Chapter	HR
Mr. Roger O. Hill		\$19,500	Shive-Hattery Group Inc.	HR
Mr. Brian A. Steffans	HR	\$19,000	C.H. McGuiness Co Inc.	HR
Mr. David Pevittling	HR	\$18,500	Central Iowa Chapter of Sheet Metals Contractor	
Mr. Luke Miller	HR	\$18,000	Raymon-Danico Air Distribution Equipment	
Mr. Kit C. Cartwright	HR	\$17,500	Dahl Air Conditioning & Heating, LLC	HR
Mr. Fred Miller	HR	\$16,500	Millennium Technology of Iowa	HR
Mr. Matt S. Jensen	HR	\$16,000	Woodman Controls	HR
Mr. Adam Puls	HR	\$15,500	Systems Management & Balancing Inc.	HR
Mr. Daniel L. Potts	HR	\$15,000	MMS Inc.	HR
Mr. Tyson Scheidecker	HR	\$14,500	Hydronic Energy	HR
Mr. Justin J. Barrett	HR	\$14,000	Products, Inc.	HR
Mr. Michael K. Gustafson	HR	\$13,000	The Waldinger Corp	HR
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Mr. James A. Lee	HR	\$11,500		
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Updated: 01-05-19

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 Michael Gustafson](#).

Thank you for your donation!

ASHRAE Society News

Industry News

[New NYC Energy Mandate Aims to Cut Emissions by 40%](#)

Large buildings, both old and new, in New York City may have to slash their greenhouse gas emissions through retrofits and other strategies. The city's goal is to reduce emissions by 40% in 10 years, and buildings are responsible for 67% of its greenhouse gas emissions. Last week, the city council passed an emissions cap that will limit the amount of CO₂/ft² large buildings can legally emit. [Read more](#)

[Solid Plastic Crystals Could Compete with Conventional Liquid Coolants](#)

Researchers have identified a solid that could replace the inefficient fluids used in most refrigerators and air conditioners. When put under pressure, plastic crystals of neopentylglycol (NPG) yield huge cooling effects—sufficient to make them competitive with conventional liquid coolants. Compressing NPG yields unprecedentedly large thermal changes due to molecular reconfiguration. [Read more](#)

[Unlocking the Possibilities of District Cooling](#)

District cooling has the potential to provide a sustainable solution to meet cooling requirements in the Middle East. To improve the design and effective use of district cooling systems, ASHRAE and Empower Energy Solutions presented a full-day workshop in Dubai. ASHRAE's Global Training Center, located in Dubai, organized the workshop. Two new publications were launched at the event: *Owner's Guide for Buildings Served by District Cooling* and the updated edition of ASHRAE's *District Cooling Guide*. [Read more](#)

[No Cranes Needed to Create Concrete Walls](#)

There is a new way to move heavy concrete slabs—with nothing more than human hands. A set of interlocking concrete puzzle pieces can be assembled into a solid wall and staircase in about 15 minutes. [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](#)

[Sensing Occupant Comfort in the Workplace](#)

Researchers at Deakin University in Australia have developed a small box of sensors that tracks temperature, humidity, air quality, light intensity and light temperature and sound levels. The devices sit on top of office desks and collect data in real time, which building managers use to gain feedback about comfort levels. The Cube Comfort Monitor device is intended to improve the management of building resources, particularly energy systems, by making it easier to identify areas in the office where comfort levels are less than ideal. [Read more](#)

ASHRAE Learning Opportunities

2019 Building Performance Analysis Conference

www.ashrae.org/BuildPerform2019

September 25-27 · Denver, Colorado

Unleash your innovative design and modeling skills, collaborate with project team members and showcase your building design to conference attendees!

[Sign up NOW for the 5th Annual LowDown Showdown that will take place at the 2019 ASHRAE Building Performance Conference September 25 – 27th in Denver, Colorado.](#)

Here's your chance to join an integrated team that will compete for fun and prizes in the annual LowDown Showdown modeling competition. This year's 2019 Building Analysis Conference (BPAC) will center on the integration of building science into the design process. Innovation in modeling and analysis will be a driving force in defining high performance buildings of the future!

In that spirit, the 2019 LowDown Showdown model building will not only challenge participants to achieve "near net zero" but also to include design and modeling elements to create a resilient building capable of withstanding natural disasters and providing prolonged emergency operations.

And the **2019 model building** is a:

90,000 sf town hall (new construction) located in San Diego, California

The facility will be a multi-functional building, housing many of the cities vital public services including being an Emergency Operations Center in times of disaster or crisis.

Bring your creative ideas and analytic thinking to the table as you design a new town hall for San Diego,

California.

Overview

The goal of the 2019 LDSd competition is to engage participants in a collaborative and fun learning experience that explores new advances in building science, modeling and technology. Teams are comprised of building analysts, designers, architects, engineers and other participants. Teams will be responsible for creating the architectural design and a performance analysis model based on model building data. The teams may use any software or a combination of software to complete their projects.

Each team will create and submit a poster of their building design, complete the performance analysis model and results spreadsheet and write a one-page narrative on project workflow. Teams will present their projects at the BPAC conference and be judged by a panel of industry experts who will select the winners. Teams will be judged on seven categories: Creativity, Innovative Approaches, Resilience, Workflow, Energy Use, Teamwork and Presentation.

Sign up now and be assigned to a team OR sign up with your friends and colleagues and create your own team.

The deadline to sign up to participate in the 2019 LowDown Showdown is April 1, 2019.

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Send payment to:

Adam Puls

ASHRAE Newsletter Sponsorship

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Urbandale, IA 50323

Tyson Scheidecker 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: tyson@shive-hattery.com.



Pictured, left to right: Paris Hilton cardboard cutout, Dan Zaug
