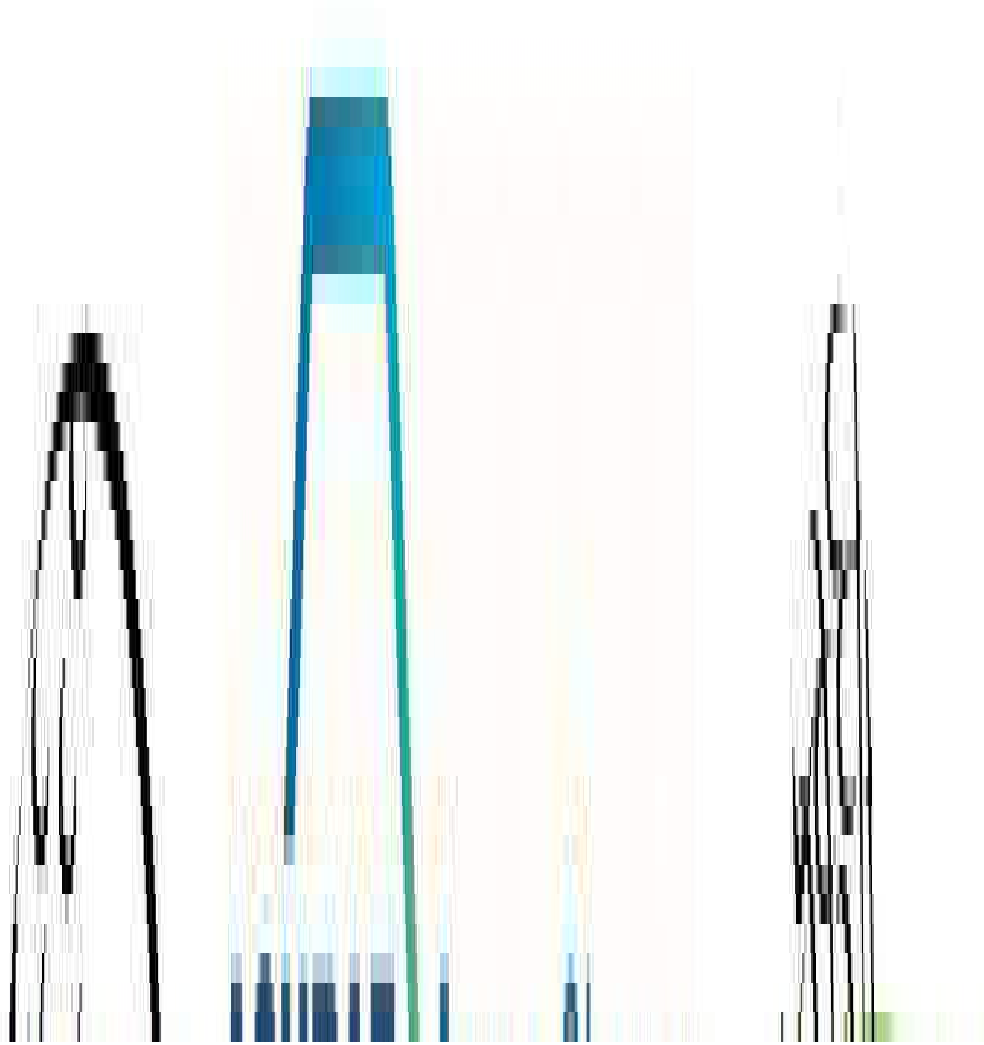
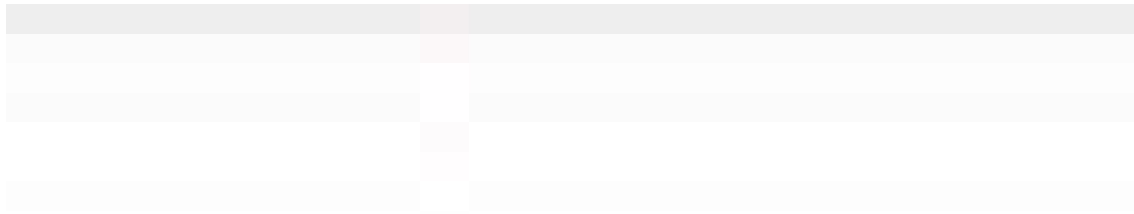


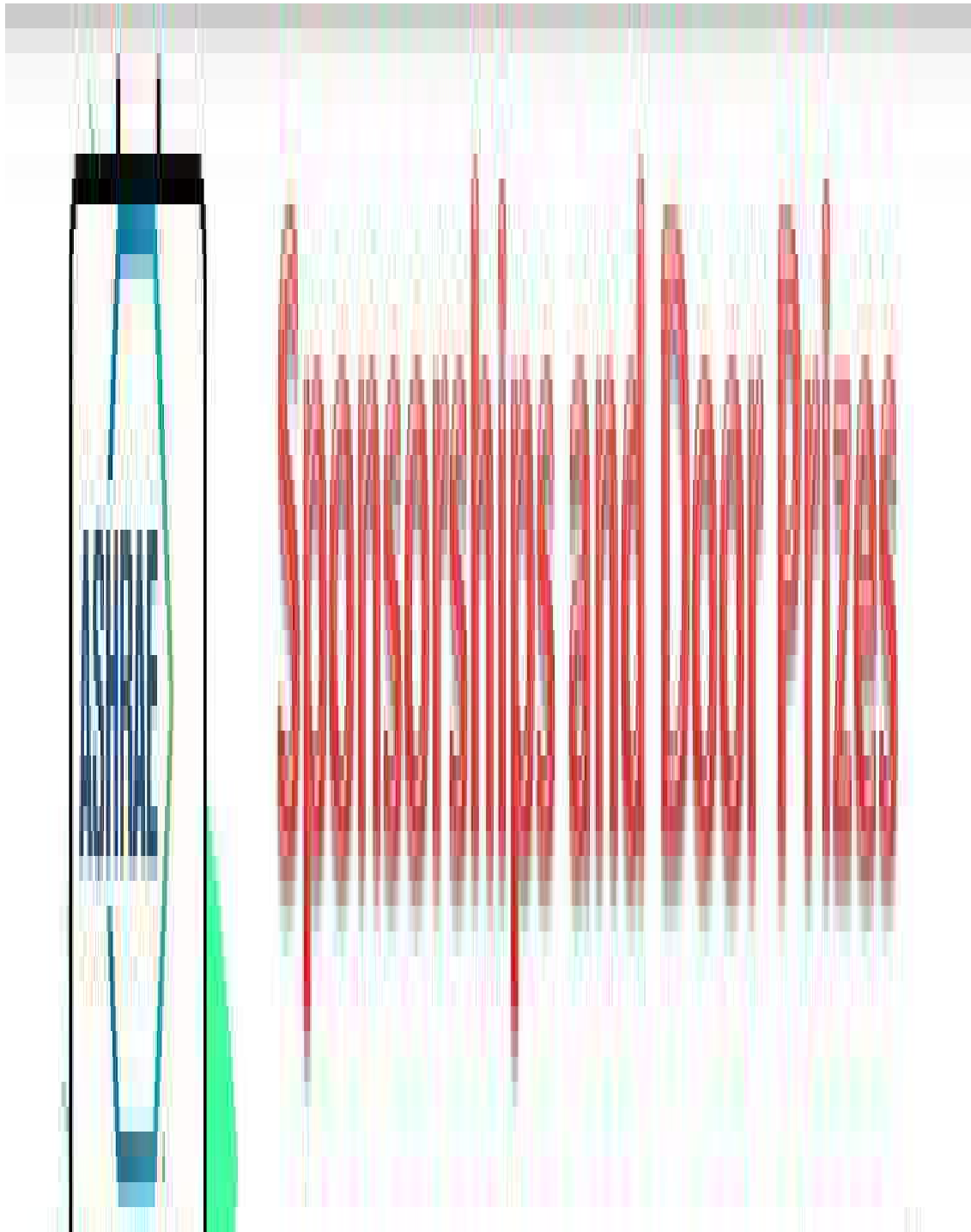


Iowa Stalks
Monthly Newsletter - September 2018

This Month at ASHRAE Iowa

Note the new start time this year!!





President's Corner

Welcome to a new ASHRAE year!

ASHRAE Iowa Chapter

www.ashraeiowa.org

I hope everyone had a great summer and are

ready to kick off the 2018-2019 ASHRAE Iowa Year! Our Board of Governors are off to a great start planning an exciting year for us. We plan to offer lots of PDH opportunities mixed in with fun social events.

The Fall Frolic Golf Outing will kick off our year on Wednesday, September 12th at The Legacy Golf Club in Norwalk. I hope you were able to get a foursome put together and plan to join us. Note the earlier 11 AM shotgun start. Hopefully the weather has gotten all this rain out of its system this past wet week so we will have great sunny weather for our event. As of now, the weather report is looking fantastic! There is still time for your company to help sponsor our golf event. The proceeds from the golf outing help raise money for ASHRAE Research Promotion which funds research and grants right here within our region.

The following month will be at the Ramada Tropics Resort on Merle Hay on October 17th. Our Chapter Technology Transfer Committee (CTTC) chairs are working out the final details of the event, so be on the lookout for additional details soon!

In November, we will make our annual trip up to Ames for student night. We hope to provide some educational networking with soon-to-be engineers that will enter our industry in the near future. We will also get to tour the recently renovated historical Marston Hall, so mark your calendars so you can make the trip up there and join us.

Stay tuned for additional details on the rest of our monthly meetings. I'm looking forward to seeing you all there. Thanks for supporting your local

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Matt Jesson
Matt Peters
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Education

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Matt Swenka

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Luke Miller

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Andrew Pospisal

Membership

Tim Conrad

Product Directory

Holly Elbert

chapter!

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Iowa Chapter President 2018-2019

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Justin Barrett

Research Promotion

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Ted Gerber

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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 Leshner 2009-2010

Kit Cartwright 2008-2009

Jerrold Sieverding 2007-2008

Jason Kems 2006-2007

Chuck Heldenbrand 2005-2006

Jeff Gross 2004-2005

Ron Engelhardt 2003-2004

Dan Zaugg 2002-2003

Susan Oltrogge 2001-2002

Christopher Nelson 2000-2001

Donald Swanson 1999-2000

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

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

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. McGuiness 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
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	17*	TBD	TBD
February	15*	Hotel Renovo	Refrigeration Meeting

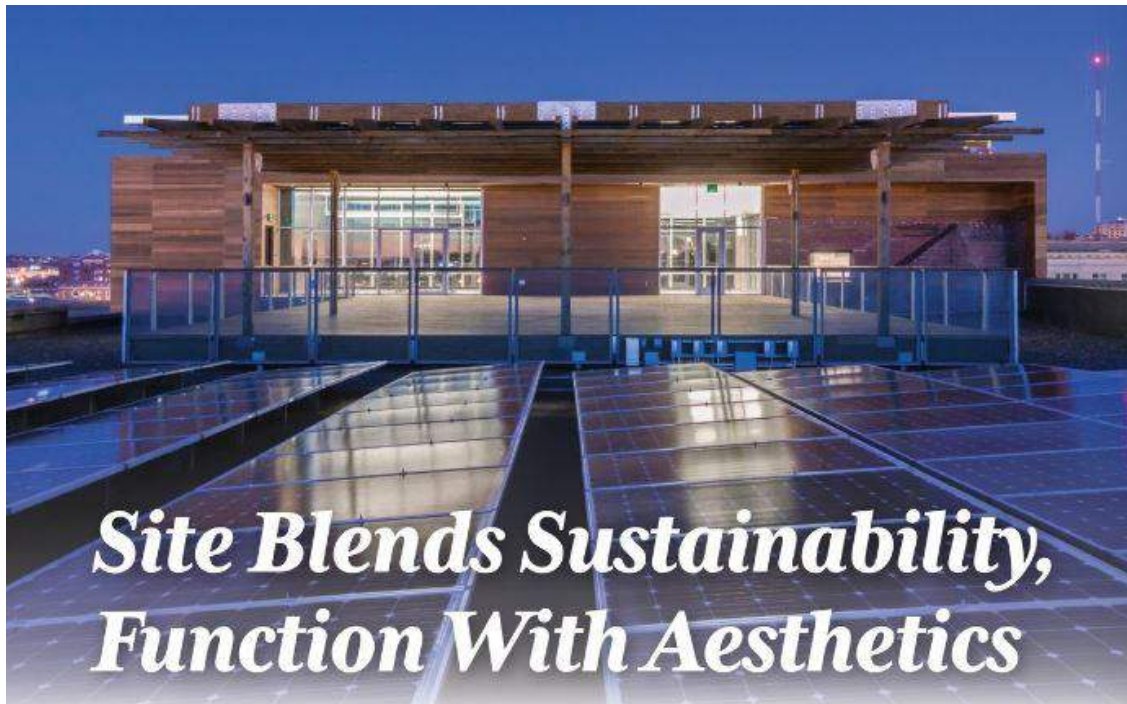
March	28*	TBD	MP, RP, & History Project
April	18*	Val Lanes	Chapter Meeting and Bowling Tournament
April	19*	At Your Desk!	ASHRAE Webcast
May	14*	TBD	Spring Fling Golf Outing

Society & Region Events

Month	Date	Location	Topic
January	12-16	Atlanta, GA	2019 Winter Conference
May	2-4	Milwaukee, WI	Region VI CRC
June	22-26	Kansas City, MO	2019 Annual Conference

*Tentative dates

What's New in the Iowa Chapter?



Congratulations to ASHRAE Iowa members Chris Deal and Mark Hersch for winning First Place Technology Award in the Commercial Buildings - Existing category. The project involved the renovation of the historic Advanced Thresher Company Warehouse in the East Village. Take a look at the project in the [July issue of the ASHRAE digital journal](#).



Des Moines is exploring an energy benchmarking initiative using EnergyStar. The initiative is intended to help building owners and tenants be more informed about the potential problems, savings, and performance of the largest buildings in Des Moines downtown area. It is similar to other programs already in use at other Midwest cities such as Kansas City, Minneapolis, and Chicago. [Read more about the proposed initiative here](#) and [here](#).

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 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		3.0% OF GOAL \$19,400.00 -TO GO!	Company Investors HR = Honor Roll participants \$150 min
	HR		ASHRAE Iowa Chapter
Mr. Mark G. Conway	HR	\$20,000	
Mr. Roger O. Hill		\$19,500	
Mr. Brian A. Steffens	HR	\$19,000	
Mr. David Peetling	HR	\$18,500	
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Updated: 05-09-18

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

2018 Annual Conference



[More Information Here](#)

Industry News

[Selecting Fans for Minimum Energy Consumption](#)

By Michael Brendel, Ph.D., Member ASHRAE

According to the author, fan selection has largely become an automated process that matches system flow and pressure requirements to a pool of candidate fans. Trade-offs between first cost and power consumption often drive selections to the smallest fan, rather than to the most efficient. This article discusses proper fan selection with emphasis on how fan pressures and selection practices influence the result.

[Propane-Burning Heat Pump Promises More Efficiency, Environment-Friendliness](#)

MUNICH, Germany—Researchers at the Fraunhofer Institute for Solar Energy Systems are developing a heat pump that uses propane. Propane has excellent thermodynamic properties, but is highly flammable. To mitigate the flammability impact, the volume of propane in the heat exchanger is minimized by using compact, brazed, finned heat exchangers. The team says it is "currently modifying the technical design of the heat pump, testing the long-term behavior of its components, and developing sustainable safety strategies."

[University of California Commits to 100% Renewable Energy by 2025](#)

BERKELEY, Calif.—The University of California announced Sept. 4 that it will use 100% renewable and zero-carbon electricity by 2025. All 10 UC campuses and five medical centers have agreed to the plan. The University also committed to reducing its energy use intensity (energy per square foot per year) by 2% annually through the use of efficiency measures. In addition, the university said that after June 2019, no new buildings or major renovations will use on-site fossil fuel combustion for space and water heating.

[New Software Tool to Help Design More Efficient Buildings](#)

CAMBRIDGE, Mass.—MIT researchers have developed a faster and easier system for performing a life-cycle analysis of a building's environmental impact. The new process is simple enough that it could be integrated into the software already used by building designers, according to its developers. "We wanted to address how to bridge that gap between using LCA at the end of the process and getting architects and engineers to use it as a design tool," said Franz-Josef Ulm, Ph.D., a professor of civil and environmental engineering and director of MIT's Concrete Sustainability Hub.

ASHRAE Learning Institute

Check out ASHRAE eLearning for more than 90 courses available on your computer. These courses have been created by HVAC&R professionals using ASHRAE's extensive pool of knowledge and most courses are recognized PDHs by AIA and GBCI (confirm with licensing body for specifics). Course options include:

- Introduction to Refrigerants
- Refrigerant Selection
- Refrigerant Management
- Ethics for the Built Environment Professional Engineer
- Standard 62.1-2013: Natural Ventilation Procedure
- Using Standard 90.1-2010 to Meet LEED Requirements
- Building Information Modeling
- Humidity Control Design: Basic Principles, Loads and Equipment
- Standard 189.1 for High-Performance Green Buildings - Energy Efficiency
- School of Hard Knocks: Controlling Moisture & Humidity in Buildings

[Click Here for More Details](#)

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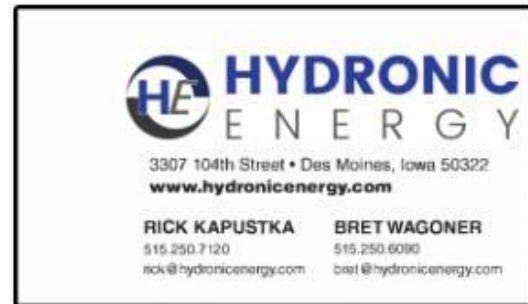
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Part golfing outing, part fishing.
