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Iowa Stalks
 Monthly Newsletter - November 2020

This Month at ASHRAE Iowa

Our virtual SuperTech is today! There is still time to register for the sessions although you have missed the cutoff for food delivery service. Enjoy the virtual meeting and thank you for hanging with us through these unprecedented times. Link to registration page is below.

<https://ashraeiowa.org/?p=4104>

Our normal joint SMCI / CSI December meeting has been cancelled due to the pandemic and we are planning a virtual happy hour at 4pm on December 17 with some RP and MP presentations. Look for more details coming soon!

It may come as no surprise that the Annual Winter Conference normally held in late January has been cancelled due to the pandemic. A virtual event is being planned for February 9-11. See updates at the link below.

<https://www.ashrae.org/conferences/2021-virtual-winter-conference>

President's Corner

Happy post-election November! I hope you and your family are doing well. As we approach the season of giving, please consider donating to your ASHRAE Chapter. The donation you make could help fund research in our industry, scholarships, or ASHRAE itself. The choice is yours.

We held our annual joint meeting with the ISU ASHRAE Student Chapter in October. Instead of the usual industry panel, dinner, and a tour in Ames, we met online and held a wonderful discussion with students and our Women in ASHRAE industry panel. We also awarded \$5000 in scholarships to very worthy ISU students. Thanks to everyone who participated to help

ASHRAE Iowa Chapter

www.ashraeiowa.org

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On December 1st, we'll be hosting ASHRAE distinguished lecturer and Society President-Elect, Mick Schwedler for an afternoon for virtual seminars. Mick will provide two, hour-long presentations on the topics of ethics and chilled water. For this meeting, we are planning food delivery options for our attending members. Get signed up, get lunch, and get PDHs!

Our annual joint lunch with CSI and SMCI at the downtown Holiday Inn has been cancelled this year. Unfortunately the pandemic continues to limit what we can do in person. In place of the joint meeting, we have decided to host an ASHRAE Happy Hour. Be on the look-out for more information for this event as we try to get together while staying apart.

Adam Puls (adam.puls@isginc.com)

Iowa Chapter President 2020-2021

- Committee Chairs -

Attendance

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Auditing

Joe Moench

CTTC

Gary Thompson

Dan Blake

Communications

Committee

Jason Kems

Education

Kit Cartwright

Matt Gumm

GAC

Matt Swenka

Historian

David Poetting

Honors & Awards

Brian Steffens

Membership

Luke Miller

Product Directory

Holly Elbert

Refrigeration

Justin Barrett

Research Promotion

Tjaden Ahrens

Nick Seymour

Student Activities

Joe Nielsen

Michael Seymour

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Golf Outing Committee

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Past Presidents

David Poetting 2019-2020

Brian Steffens 2018-2019

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

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

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

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

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	31	Briarwood Country Club Ankeny	Fall Frolic Golf Outing
October	22	Jethros - Ames, IA	Student Night + Women in Industry Panel
December	1	Embassy Club West	Super Tech with Mick Schwedler
December	17	Virtual - 4pm	Happy Hour with MP and RP
January	20	Des Moines Area TBD	Air Side Testing and Balancing
February	17	Des Moines Area TBD	Refrigeration
March	16	Des Moines Area TBD	Hydronic Balancing with Luciano Belo
April	TBD	At Your Computer	Webinar
April	TBD	Des Moines Area TBD	Bowling + History Project
May	TBD	Des Moines Golf and Country Club	Spring Fling Golf Outing

Society & Region Events

Month	Date	Location	Topic
October 2020	25-27	Peoria, IL - Virtual	2020 Region VI CRC
February 2021	9-11	Virtual	2021 Winter Conference
April-May 2021	29-1	Green Bay, WI	2021 Region VI CRC

What's New in the Iowa Chapter?

LEED Training Discount for ASHRAE Members - If anyone is looking for LEED Certification, ASHRAE Iowa members have been offered a \$50 discount for a program through LeadingGreen training. Please reach out to tgerber@dptgroup.com for more information.

Food Bank Efforts & "Pack the Pantry"

A joint effort with local industry, local government, Iowa State University Extension, and our chapter has helped over 100 grant applications secure nearly \$450,000 in funding for walk in coolers projects at local food pantries. Applicants can receive up to \$10,000 to increase refrigeration capacity making more perishable, locally-grown foods available to their customers. A special thanks to Justin Barrett, Tim Conrad, and Jon Scanlan with HyVee for spearheading the efforts to assist with this program.

2020 History Project is Ready!

Check out the latest history project that Brian Steffens put together. He helped organize and albumize all of our past photos into one location for viewing – our [website!](#)

If you want to find the page on your own, go to the Committee menu, History and Photo Album History. From there, click on any of the many albums created to view the photos.

Have some old ASHRAE related photos you want to share? Send them to Brian or get them to any one of the board members. We'll get them added to our archive and posted so everyone can enjoy them for years.

ASHRAE COVID-19 Resource Page

To view ASHRAE's COVID-19 resource page, click here:

<https://www.ashrae.org/technical-resources/resources>

2021 Product Directories coming soon!

Thank you to all sales representatives for advertising. Last years' directory is available in PDF format on our website ([Click Here](#)). Printed copies will be delivered by mail to all ASHRAE Iowa members and non-members who ordered the directory. If you would like to order additional directories they are \$10. Please contact Holly Elbert to order. Big thanks to Holly for doing this every year. Watch for your new directories coming soon!

Consider ASHRAE eLearning

In light of coronavirus concerns and the impact the pandemic is having on travel, [ASHRAE eLearning](#), a 100% web-based training allowing you to learn at your own pace and when convenient, can be a valuable resource. Courses can be accessed anywhere, anytime,

Offerings include these popular course packages:

- Fundamentals: HVAC Systems
- HVAC Control Systems
- System Essentials
- DDC Controls
- Electrical System Design
- Sustainability
- Standard 62.1: Ventilation for Acceptable Indoor Air Quality
- Standard 90.1: Energy Standard for Buildings
- Standard 189.1-2011 - High Performing Green Buildings
- Loads and Modeling

Recently Updated:

- Introduction to HVAC Design (1.5 PDHs)
- Refrigeration System Parameters and Key Performance Indicators (KPIs) (1.0 PDH)

Once enrolled, you have 12 months to complete your training.

Why ASHRAE eLearning?

- Convenient way to learn about new applications and standards
- Easy way to keep up with license and certification requirements
- Approved by AIA and GBCI
- Earn PDHs/CEUs
- Courses created by industry leaders in HVAC&R

For the complete eLearning catalog, please visit <https://elearning.ashrae.org/>.

Individuals can register online at <https://elearning.ashrae.org/> and immediately gain access. Companies can register employees by contacting elearning@ashrae.org or calling 678-500-3917.

[ASHRAE eLearning](#) is an approved Continuing Education provider for the American Institute of Architects (AIA), and a U.S. Green Building Council (USGBC) Education Partner. Continuing Education (CE) hours earned from ASHRAE eLearning may be applied toward maintenance of state-licensed professionals (architects and professional engineers) and LEED credentials.

Thank you,

ASHRAE eLearning

Research Promotion

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 \$150 min		38.0% OF GOAL \$12,395.06 -TO GO!	Company Investors HR = Honor Roll participants \$500 min	
Ronald A Engelhardt	HR			Miller Mechanical Specialties, Inc.
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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](#).

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

Industry News

[Turbomachine Expander Offers Efficiency, Safety for Heating, Cooling](#)

the process of moving the air from high to low pressure. The device can be used as a control agent within an existing heat pump. [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](#)

[Thermal Comfort Model Measures Body Shape With Sensors](#)

A team at Carnegie Mellon University has created the first model that combines environmental information with data on an individual's body shape to determine thermal comfort. Information is aggregated to find the temperature that the most occupants possible will find comfortable. The system estimates body shape information from depth-imaging sensors, which are less privacy-invasive than approaches such as cameras. [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](#)

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>

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Sponsoring our monthly newsletter is a great way to advertise your business and support your Iowa ASHRAE Chapter. Please consider sponsoring for the 2020-2021 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. Thank you to Hart Hammer as the current sponsor for this year. Get your sponsorship in to get your logo below!

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