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Iowa Stalks Monthly Newsletter - January 2021

This Month at ASHRAE Iowa

Join us for a virtual January chapter meeting this Wednesday the 20th at Noon! See details at the link below.

<https://ashraeiowa.org/?p=4311>

The virtual Annual Winter Conference planned for February 9-11 is planned and scheduled out. See the schedule and register at the link below.

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

President's Corner

Happy New Year Iowa Chapter! I hope you had a happy and healthy holiday season!

Thank you to everyone who joined our December virtual happy hour. Despite getting Zoom Bombed, it was great to see everyone and catch up after we sorted control of the meeting.

We have some great January events coming up and I hope to see you in attendance. January 14th our YEA chairs Elli and Terence hosted a lunch trivia event for our 35 and under members.

January 20th over lunch we will have a PDH worthy virtual presentation on airside testing and balancing by Board of Governors' member and Regional Vice Chair of the Government Affairs Committee, Matt Jesson. We will be providing lunch to attendees of either event through a delivery service gift card, so please consider joining.

The 2021 ASHRAE Winter Conference is virtual. Visit the conference [website](#) for more information. The 2021 Region VI CRC is planned to be a hybrid event starting April 29th. At this time, all learning opportunities are planned to be available online, so it's another great chance to get some

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www.ashraeiowa.org

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We've already had so many quality events this year and we hope to continue to provide them for you. As we've all adjusted to this, hopefully temporary, new normal I want to thank the members of our chapter and especially the committee members who plan and run events for our membership. They have been doing an incredible job to continue to offer good opportunities through these challenging times. We are diligently working to bring a refrigeration meeting to life in February, a meeting on hydronic balancing is scheduled for March, and while the bowling event may be up in the air for April, we are looking to schedule another afternoon of technical content with an ASHRAE distinguished lecturer. By May, we'll have the opportunity to be together again for the golf outing.

Thank you for your continued support and participation in our chapter. I look forward to seeing you in person in 2021! Hope that doesn't jinx it...

Adam Puls (adam.puls@isgjnc.com)
Iowa Chapter President 2020-2021

Jason Kems

Education

Kit Cartwright

Matt Gumm

GAC

Matt Swenka

Historian

David Poetting

Honors & Awards

Brian Steffens

Membership

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Product Directory

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Research Promotion

Tjaden Ahrens

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Past Presidents

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Tim Conrad 2013-2014

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Kelly Crow 2011-2012

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Jeff Gross 2004-2005

Ron Engelhardt 2003-2004

Dan Zaug 2002-2003

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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

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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

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

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

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	Virtual	Super Tech with Mick Schwedler
December	17	Virtual - 4pm	Happy Hour with MP and RP
January	20	Virtual - Noon	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 and Virtual Option	2021 Region VI CRC

What's New in the Iowa Chapter?

GAC UPDATES!

Government funding and coronavirus relief legislative package

Several provisions of interest to ASHRAE members were included as part of the recently passed government funding and coronavirus relief package. This includes \$82 billion in Covid relief funding for schools that can be used for building system inspections, maintenance, repair, and

deduction for energy efficient buildings. The legislation also includes HFC phasedown authority to the EPA, increases the DOE budget, and provides EnergyStar funding. This is an enormous piece of legislation that staff is still reviewing and will provide further details on.

Iowa Legislative Session

The Iowa legislative sessions kicks off January 11, 2021. As a result of Covid, we will not be doing the Design Professionals Day on the Hill this year. We will continue to monitor legislation, socially distanced, and report back to the chapter.

State Board Positions

The state of Iowa has a number of boards that provide guidance and rulings on things that impact our profession. These boards include the boiler and pressure vessel board, examining boards, elevator safety, plumbing and mechanical, and several others. We encourage you to review and apply to available board positions at <https://talentbank.iowa.gov/>.

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, and from any computer with an internet connection. Courses contain interactive exercises that enable you to engage and retain what you have learned. [Learn more](#).

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)

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		43.0% OF GOAL \$11,395.06 -TO GO!	Company Investors HR = Honor Roll participants \$500 min	
Ronald A Engelhardt	HR	\$20,000		Miller Mechanical Specialties, Inc.
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\$8,604.94

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](#)

Purdue University researchers developed a device to decrease energy consumption of the vapor-compression heat pump cycle, which is commonly used in homes, businesses and vehicles for cooling and heating. The team created a novel turbomachine expander that helps harvest previously wasted energy used in 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

[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 or see the link below. The cost is \$125. Get your sponsorship in to get your logo below!

https://ashraeiowa.org/?espresso_events=2020-21-newsletter-sponsorship

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