

IOWASTALKS

A Newsletter for the Iowa Chapter of ASHRAE



TOPICS THIS MONTH

- This Month at ASHRAE
- President's Corner
- January Recap
- Upcoming Meetings
- ASHRAE CRC 2017 & 2018
- ASHRAE News
- Research Promotion

THIS MONTH AT ASHRAE

Date: Wednesday, February 22nd

Location: Exile Brewing Company
1514 Walnut Street
Des Moines, IA 50309

Schedule: 11:30 Registration
11:45 Lunch
12:00 Business Meeting and Program
James J. Coogan, P.E. will be presenting on *Space Pressurization: Concept and Practice*. This presentation has been approved for 1 AIA Learning Unit (LU/HSW).

Cost: Free to ASHRAE Iowa Chapter Members
\$15 for Guests

[Register](#) online today!



PRESIDENT'S CORNER:

Greetings Members! We once again have some great opportunities for technical education coming up in the next few months. Our Board of Governors prides itself on providing convenient access to PDH's for mechanical engineers across Central Iowa. For our February meeting on **Wednesday, 2/22/17**, we have an ASHRAE Distinguished Lecturer visiting Des Moines. James J. Coogan, P.E., will be presenting on *Space Pressurization: Concept and Practice* during this lunch meeting downtown at Exile Brewery. This is a very relevant topic to our industry, so make sure you RSVP to reserve your spot. This presentation has also been approved for 1 AIA Learning Unit (LU/HSW).

Coming up in March, we're having a MEGA-Tech session with three afternoon classes covering the following subjects: Dedicated Outdoor Air Systems (DOAS), Variable Refrigerant Flow (VRF), and Psychrometrics. And one of the speakers will be another ASHRAE Distinguished Lecturer, which is quite an honor for our chapter to have two in a single year. This is all planned for **Wednesday, 3/22/17**, more details to come!

Don't forget that the ASHRAE Region VI Chapters Regional Conference (CRC) is coming up in St. Louis, Missouri, April 20-22. Check it out at this [link](#)!

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

Andrew Pospisal ([email](#))
ASHRAE Iowa Chapter
President 2016-2017



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www.ashraeiowa.org

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Tim Conrad	2013-2014
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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 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

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
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

January Meeting – Refrigeration

January 11th, 2017

Gilroy's



March Meeting

Date: Wednesday, March 22nd

Location: West Des Moines Marriott
1250 Jordan Creek Parkway
West Des Moines, IA 50266

Agenda: Presentations and Social

Topics: DOAS, VRF, & Psychrometrics

More details to come!



Future Meetings

Month	Date	Location	Topic
September	29	Echo Valley Country Club	Fall Frolic Golf Outing
October	12	MODUS Engineering	Membership & RP Night
November	7	ISU Alumni Center	Student Night
December	12	Downtown Holiday Inn	SMCI & CSI Joint Meeting
January	11	Gilroy's	Refrigeration
February	22	Exile Brewing Company	Distinguished Lecturer
March	22	West Des Moines Marriott	Technical Session
April	20	TBD	ASHRAE Webcast
May	TBD	Glen Oaks Country Club	Spring Fling Golf Outing

January	28-1	Las Vegas, NV	2017 Winter Conference
April	20-22	St. Louis, MO	Region VI CRC
June	24-28	Long Beach, CA	2017 Annual Conference



Join us on our 100th Anniversary for the 2017 Chapter Regional Conference in St. Louis!

[REGISTER NOW](#)

WHEN: 4/20-22/2017 – [Schedule](#) & [Speakers](#) & [After Party](#) (see details below)

WHERE: [Hyatt Regency Downtown St. Louis:](#) It is directly across the street from the Gateway National Expansion (St. Louis Arch) grounds, and is tied in by the new Gateway Mall project with the Arch grounds. The hotel is 1 block from the Old Courthouse, 2 blocks from the Old Cathedral, 3 blocks from BallPark Village, and 5 blocks from Busch Stadium, home of the Cardinals. Many restaurants, entertainment venues, and public transportation options are all within walking distance.

HOTEL: We have a block of rooms reserved at a discounted rate, please using the following link to secure your room:

<https://resweb.passkey.com/go/ASHRAECRC>

The last day to secure a reservation at the discounted rate is **March 23rd, 2017**, so please book early.

We are still seeking sponsors for our upcoming ASHRAE Region VI's Chapters Regional Conference (CRC). The event runs May 3, 2018 thru May 5, 2018 at the Marriott in downtown Des Moines. Our volunteers have been diligently working for over a year now planning this event and securing venue details.

Yes, we are reaching out to you rather early, we are doing so to provide you the most out of your sponsorship. We have had some great response from local businesses and manufacturers. We are a fraction of the way towards our budget for ASHRAE CRC 2018. We strongly encourage you to become an event sponsor. The Grand Champion sponsorship level is still open. Don't hesitate, this provides great advertisement for your firm with engineering firms, contractors, owners, and manufacturer's representatives in the Iowa, Illinois, Minnesota, Wisconsin and Missouri marketplaces.

It takes a lot of financial support to host this conference. We greatly appreciate any level of support you can provide. If you wish to be a Grand Champion or Blue Ribbon sponsor, we ask that you fill out the following form and include payment by January 31, 2017 so we can provide promotional advertisements with your logo for the St. Louis CRC in April 2017.

Our company would like to pledge the following contribution level to help support the ASHRAE CRC 2018 Conference hosted in Des Moines:

Mark One	Ribbon Level	Donation Amount
	Grand Champion	\$5,000
	Blue Ribbon	\$2,500
	Red Ribbon	\$1,000
	Yellow Ribbon	\$500
	White Ribbon	\$250
Total:		\$

Please fill out the information below. We will use this information to coordinate the sponsorship benefits for your organization:

Company Name:			
Company Contact:			
Street Address:			
City:	State:	Zip:	
Phone:	Email:		

Please remit payment to our sponsorship chair. Please send this invoice and check to:

c/o A. J. Allen Mechanical Contractors, Inc.
 Attn: Luke Miller
 320 SE 6th Street
 Des Moines IA, 50309

Checks may be made payable to: ASHRAE Iowa CRC

ASHRAE CRC 2018 Sponsors

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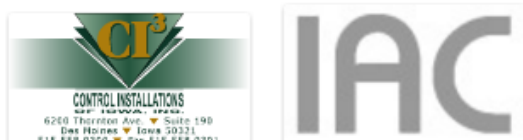
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Industry News

Facebook, Local Companies Partner to Power Large Data Center With 100% Renewable Energy

ALBUQUERQUE, N.M.—Facebook has entered into a partnership with the largest electric provider in New Mexico and two local solar companies to power a massive \$1.5 billion under-construction data center with 100% renewable energy. Public Service Co. of New Mexico will partner with Affordable Solar and Array Technologies on three solar farms that cost a total of \$45 million. The 30 MW project in the New Mexico desert will be made up of three 10 MW sites featuring tens of thousands of panels. The first solar site will be adjacent to the data center. Construction will start later this year. All three of the solar sites are expected to become fully operational in May 2018.

Mold Remediation Project Beginning at Mark Twain's Historic Home

HARTFORD, Conn.—Mold is threatening thousands of artifacts in the historic home of author Mark Twain. The Mark Twain House & Museum in Connecticut is now beginning a \$1 million remediation effort to mitigate the damage. The mold was first discovered in 2015 and impacts at least 5,000 of the museum's 16,000 artifacts, including furniture and some first editions of Twain's works. The problem is blamed on a faulty HVAC system and a leaky roof that have since been repaired. The remediation project begins Feb. 13 and should last three to four months.

New Transistor Powered by Heat, Not Electricity

LINKÖPING, Sweden—Researchers have developed a transistor that works via heat rather than electricity. A temperature rise of a single degree causes a current modulation in the thermoelectric organic transistor. The researchers at the Laboratory of Organic Electronics, Linköping University, in Sweden say the transistor can be used in a variety of applications, including temperature detection, infrared imaging, and health applications. The study is published in the journal *Nature Communications*.

ASHRAE News

District Court Rules in Favor of ASHRAE, Other Organizations, in Copyright Suit Involving Standards

WASHINGTON, D.C.—The U.S. District Court for the District of Columbia has ruled in favor of several standard development organizations (SDOs), including ASHRAE, in a lawsuit over whether a third party can freely post entire standards. On Feb. 2, the court granted a motion for summary judgment filed by SDOs including the National Fire Protection Association (NFPA), ASTM International, and ASHRAE. The court's ruling permanently blocks Public.Resource.org from posting the SDOs' standards on its website, in violation of copyright. "We and many other SDOs already provide free online access to many standards as part of our commitment to safety," said ASHRAE President Timothy G. Wentz, P.E., HBDP. "And, preventing the infringement of copyrighted material will allow not-for-profit SDOs to continue meeting the needs of the people and jurisdictions we serve."

Feature of the Week

Ice Making for Curling: Quest for Perfect Ice

By Daniel J. Dettmers, Member ASHRAE

Making ice is seemingly simple—just bring water to a temperature below 32°F (0°C). However, many sports enthusiasts will argue that not all ice is equal. Proponents of curling are particularly fastidious about what is "perfect" ice. Ice makers continually look for the magic method to create the perfect curling ice. The author looks at the surprising number of considerations to be accounted for, including humidity, debris, frost, and temperature.

ASHRAE Iowa Research Investors 2016-2017					
Individual Investors HR = Honor Roll participants \$100 min		33.0% OF GOAL \$13,393.00 -TO GO!		Company Investors HR = Honor Roll participants \$150 min	
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