

IOWASTALKS

A Newsletter for the Iowa Chapter of ASHRAE



TOPICS THIS MONTH

- Student Night
- Presidents Corner
- Fall Frolic Results
- Upcoming Meetings
- Research Promotion
- Learning Opportunities

THIS MONTH AT ASHRAE

Student Night

Date: Wednesday, October 21st

Location: Olde Main Brewing Co
316 Main Street, Ames, IA

Events and Times:

4pm - Industry Panel Discussion

5pm - Social Hour – Sponsored by JCI

6 pm – Dinner/Meeting

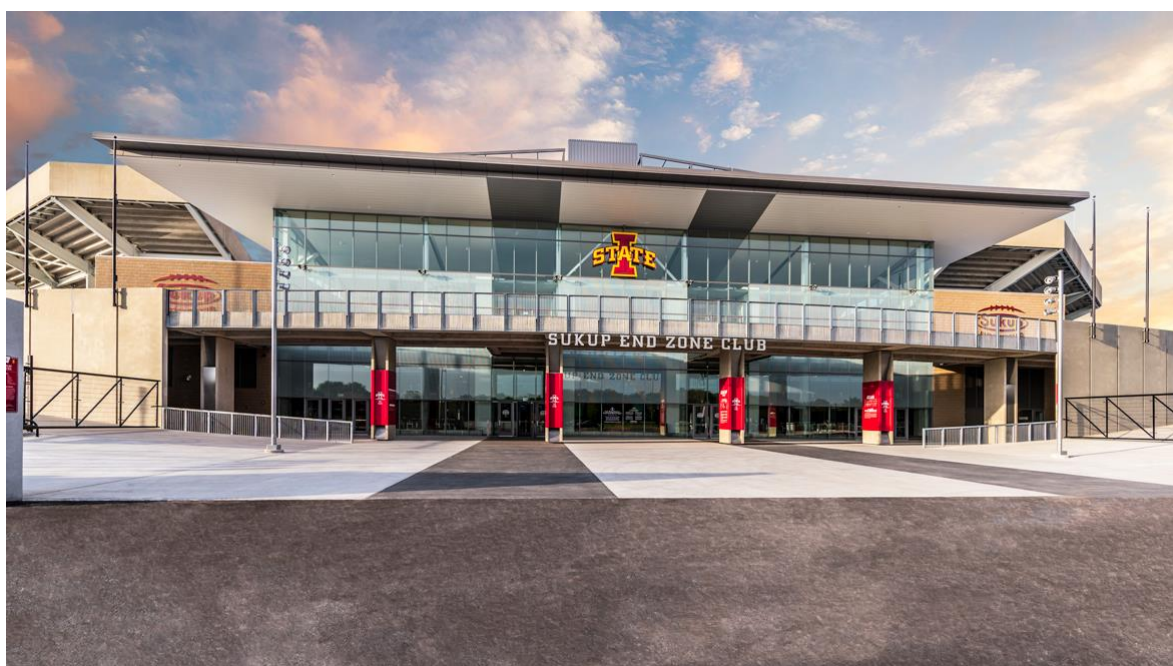
7pm – Tour of South End Zone Expansion at
Jack Trice Stadium!!

Cost: Free to ASHRAE Iowa Chapter Members

\$15 for Guests



Register at www.ashraeiowa.org if you plan to attend.



PRESIDENT'S CORNER:

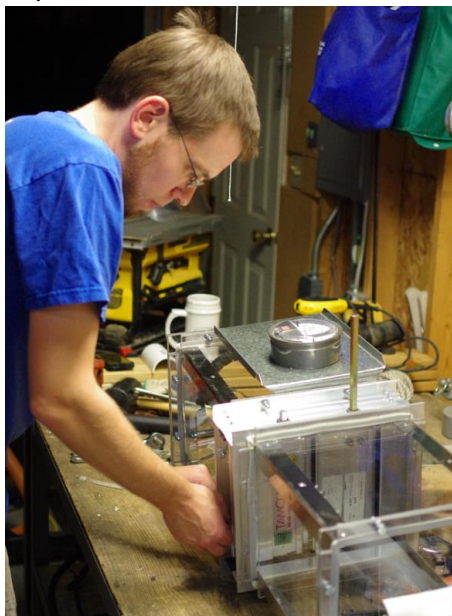
Happy October, everybody!

It was great to see everyone at our Fall Frolic golf outing. What a beautiful day we had for it, right? It doesn't get much more perfect. Proceeds go to ASHRAE RP so we had a great time and supported a great cause.

On September 15th, ASHRAE Iowa members Matt Jesson and Mike Wolfe ran a booth at the Blank Park Zoo for STEM (Science, Technology, Engineering and Math) Night. The pictures show Mike and Matt at the booth and show Matt putting the finishing touches on the fan test rig they developed. Thanks for volunteering your time, guys, sounds like the kids in attendance enjoyed the presentation. When I stopped by the booth I couldn't tell who was smiling more, the kids or Mike and Matt.



Next on our docket is our October 21st Student Night. We'll be holding a panel discussion for ISU students at Olde Main Brewing Company



(and I hear it's \$1 pint night, if that sort of thing interests you). Also, we'll be presenting our Chapter Scholarships, and when we've wrapped up the meeting we will tour the new Jack Trice End Zone project. Hallowed ground for you Cyclone football fans...

For November 16th we're pleased to have ASHRAE Distinguished Lecturer Steve Hamstra in as our speaker! Mr. Hamstra will be presenting a technical session titled "How to kill geothermal heat pump systems" and we'll follow it up with dinner. I'm looking forward to seeing you all there!

See you soon!

Matt Gumm
Iowa ASHRAE Chapter President 2015-2016

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www.ashraeiowa.org

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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 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

Fall Frolic 2015 Legacy Golf Club



Congrats to the team of Luke Miller, Joe Moench, Alex Scheppmann, and Steve Heun for winning the 2015 Fall Frolic at Legacy Golf Club in Norwalk.

Thanks to everyone that participated and helped raise money for ASHRAE Research Promotion.



UPCOMING MEETINGS:

November Meeting – Membership and RP Night

Date: Monday, November 16th

Location: Ramada Tropics Conference Center

5000 Merle Hay Rd, Des Moines, IA

Program: ASHRAE Distinguished Lecturer Steve Hamstra

Topic: Geothermal Systems

Look for more details in the November Newsletter

2015-16 Meeting Dates

MONTH	Topic	Date
July	-	-
August	-	-
September	-	-
October	Student Night at Olde Main in Ames	21
November	Membership and RP at Ramada	16
December	Joint/Past Presidents/History, Lunch at Holiday Inn	14
January	Refrigeration	TBD
February	Seminar	TBD
March	DL	TBD
April	ASHRAE Webcast	TBD
May	Spring Fling	TBD

Winter Meeting	2016 Winter Conference – Orlando, FL	Jan 23-27
CRC	Region VI CRC –Madison, WI	May
Summer Meeting	2016 Annual Conference – St Louis, MO	Jun 25-29



2016 ASHRAE Winter Conference
Jan. 23–27 | Orlando Hilton | Orlando, Fla.

*New Technical Program Tracks, Networking,
World's Largest HVAC&R Marketplace*

Special first time attendee registration fee available! Low, early-bird registration rates end Nov. 2. Register early! Registration to the ASHRAE Winter Conference includes free access to the AHR Expo!

2016 AHR Expo
Jan. 25–27 | Orange Co. Conv. Center | Orlando, Fla.

Venues are strategically located next to each other for easy access.

ASHRAE'S Attics & Antiques:

We have gone digital! Attics & Antiques can be found on the ASHRAE Iowa Website. Click on the link below to Check It Out!

[ASHRAE's Attics & Antiques](#)



YEA Opportunities

Leadership U Offers YEA members the chance to be paired up with a Society Officer for the Winter Conference and participate in all of their events and board meetings. Get the opportunity to experience a Conference like an Officer, gain connections within ASHRAE. See the link below to for more information and to apply.

[Leadership U](#) - October 12 Deadline – cost of conference attendance covered. Good opportunity with few applicants.

Interested in High-Performance Building Design? Register for this Technical Weekend full of high-performance building courses, technical tours, and networking. See the link below to for more information and to register.

[YEA Technical Weekend](#) - November 6-8, 2015 – Focus on High Performance Building Design

Gain the fundamentals of HVAC design and have it paid for by the YEA Institute of ASHRAE. See the link below for dates and location information and to apply.

[HVAC Design Essentials Training Scholarship](#) - Multiple Deadlines. Good opportunity with few applicants.

ASHRAE Iowa Research Investors 2014-2015			
Individual Investors HR = Honor Roll participants \$100 min		3.9% OF GOAL \$18,263.00 -TO GO!	Company Investors HR = Honor Roll participants \$150 min
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Mr Mark G Conway	HR	\$17,500	Dahl Air Conditioning & Heating
Mr Kit C Cartwright	HR	\$17,000	
Mr Andrew L Pospisal	HT	\$16,500	
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Your contribution puts us closer to achieving our goal. Please send what you can today!

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Thank you for your donation!

Release: September 22, 2015

Contact: Jodi Scott

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Contact: [Kari Arfstrom](#)

Executive Director, HVACR Workforce Development Foundation

703.465.1397

Reports Estimate Over 100,000 New HVACR Mechanics and Installers Needed in Next Seven Years Due to Growth and Retirements

Arlington, VA – The HVACR Workforce Development Foundation released three new reports and accompanying executive summary today confirming that demand outstrips the supply of heating, ventilation, air conditioning and refrigeration employees. In particular, mechanics and installers are in critical shortage in most areas of the nation. ASHRAE is a member of the Foundation.

Due to the increased growth in the sector and the ongoing retirement of Baby Boomers, HVACR programs in technical and community colleges are not filling the seats available to meet the current and anticipated demand. HVACR employers are having a difficult time filling positions, especially for refrigeration and HVAC technicians, respectively 44 and 36 days longer than the national average of 29 days for similar positions.

“HVACR programs in the U.S. and Canada are seeking new students, whether you are a recent high school graduate, veteran or second-career adult,” said Kari M. Arfstrom, executive director of the HVACR Foundation. “With HVACR certifications or an associate’s degree, new employees can be assured of a solid middle class job that cannot be off shored, is high tech and offers better than average pay.”

Almost half of all mechanics and installers will retire in the next decade according to the new research, but post-secondary HVACR programs are not filling the seats needed to support these jobs. The reports detail the opportunities available for HVACR workers and address the unique issues constraining the pipeline for these roles. Concluding the analysis of supply and demand is the introduction of a North American Plan to reduce the employment gap.

An executive summary of the three reports, *The HVACR Workforce: Demand Heats up as Supply Melts Away*, is available on the HVACR Foundation’s website www.CareersinHVACR.org.

The summary is based on the three commissioned reports:

- *The Next Generation of HVACR Installers and Technicians: What instructors are saying and what needs to be done*, the first-ever survey of instructors in HVACR programs in U.S. and Canada.
- *Heating up: The Sweltering Demand for Heating, Ventilation, Air Conditioning, and Refrigeration Workers*, prepared by Burning Glass Technologies.
- *A Labour Market Investigation of the HVACR Sector in Canada*, by Prism Economics and Analysis.

###

[About HVACR Workforce Development Foundation](#)

The HVACR Workforce Development Foundation is dedicated to leading an industry effort to develop and promote educational projects, programs, and partnerships to attract committed and skilled employees to a career in HVACR. The Foundation’s objectives are to raise the awareness of the HVACR industry and the importance it plays in daily lives; to create interest in the HVACR industry as an attractive and profitable career choice; and to enhance the quality and quantity of available workforce for the HVACR industry.

For more information, including the eight funding organizations, please visit www.CareersinHVACR.org

The Iowa Energy Center invites you to attend an

Industrial Lighting Seminar

Tuesday, November 3, 2015

12:30 pm - 3:30 pm

Prior to the start of the 2015 Iowa Energy Summit, the Iowa Energy Center will host a three hour workshop on Industrial Lighting. Mike Lambert, IES, LC / Senior Lighting Designer for KCL Engineering is the presenter.

This three hour presentation will focus on LED lighting for industrial applications and include discussions on the quality of the lighted visual environment, newly emerging lighting and vision metrics, and product performance and materials standards in addition to topics related to energy and utility rebates. Also included will be an overview of the various controls technologies available for LED industrial lighting systems and the relative merits of those towards realizing even greater energy reductions.

Continuing Education

A certificate for three Professional Development Hours will be awarded at the close of the seminar.

Meet the Speaker

Mike Lambert, IES, LC

Mike is a Senior Lighting Designer for KCL Engineering with over 40 years lighting and electrical industry experience, and has completed lighting design projects in China, Hawaii, Las Vegas, and other locations throughout the United States. He serves as a Steering Committee Member and Outdoor Judge for the Pacific Northwest National Laboratory / US DOE *Next Generation Luminaire Competition*. Mike is an Illuminating Engineering Society (IES) Member and serves on the IES Roadway Lighting, Visual Effects of Lamp Spectral Distribution and Lighting Energy Management Committees. He is past Vice-Chair and current Secretary of the Human Centric Lighting Society.



Who should attend?

Architects, Lighting Designers, Engineers, Lighting Representatives, Contractors, Retrofitters, Utility Project Managers, Facility Managers, and others interested in industrial lighting.

Location

Prairie Meadows Events and Conference Center

Prairie Rose Room, 4th floor

1 Prairie Meadows Drive

Altoona, IA 50009

A \$30 registration fee is required prior to the seminar date. Please register through [ISU Conference Services](#). Seating is limited to the first 40 registrations.

Registration deadline is Friday, October 30, 2015.

[Register Now](#)

ASHRAE Learning Institute

2015 Fall Online Course Series

2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time. Earn CEU/PDH credits.

Energy Management Best Practices

Mon, October 12, 2015 – 1:00 pm to 4:00 pm EDT

Complying with Standard 90.1-2013: HVAC/Mechanical

Wed, October 14, 2015 – 1:00 pm to 4:00 pm EDT

Commissioning for High-Performance Buildings

Mon, October 19, 2015 – 1:00 pm to 4:00 pm EDT

Combined Heat & Power: Creating Efficiency through Design & Operations

Mon, October 26, 2015 – 1:00 pm to 4:00 pm EDT

Laboratory Design: The Basics and Beyond

Mon, November 2, 2015 – 1:00 pm to 4:00 pm EST

Fundamental Requirements of Standard 62.1-2013

Wed, November 4, 2015 – 1:00 pm to 4:00 pm EST

The following course is comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.

Commissioning Process in New & Existing Buildings

Part 1 - Wed, October 21, 2015 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, October 28, 2015 – 1:00 pm to 4:00 pm EDT

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Houston • Miami • Minneapolis

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HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register.



Thank you to all our 2014-2015 sponsors!! Don't forget to renew your sponsorship for 2015-2016. There is plenty of room for more! See next page for information on how to become a sponsor.



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