President’s Message

As we are nearing the end of the year, I want to take the time to discuss the benefits of donating to ASHRAE Research. ASHRAE has been supporting research since 1919 and today research projects can be found around the world as well as locally. Important ground-breaking ASHRAE research projects are being completed in areas such as advanced material properties, analytical building modeling, and occupation comfort. As our region moves into the winter season, below are just a few ASHRAE research projects that may help us accommodate the colder temperatures in the future:

- Measuring Air-tightness of Mid- and High-rise Non-residential buildings
- Thermal, Moisture, and Air Transport Property Values of New Building and Insulating Materials
- Use of additive manufacturing technique on development of next generation air to liquid heat exchanges.

The results of such research projects are used to update the annual volumes of the ASHRAE Handbook, featured in articles of the ASHRAE Journal, or even included in specialty publications such as the Advanced Energy Design Guidelines.

By donating to ASHRAE research and having strong research institutions within the state of Nebraska, we’re able to have an excellent return on our research investment. Currently two projects in the state are funded by ASHRAE research dollars. The projects include:

- 1462 – RP: Active Mechanism for Enhancing Heat and Mass Transfer in Sorption Fluids - $143,168

Recently completed projects include

- 1547 – RP (Sept. 2013): CO2 based Demand Controlled Ventilation for Multiple Zone HVAC Systems - $112,829
- 1475 – RP (July 2013): Updating Heat and Moisture Production Rates of Modern Swine and their Housing Systems - $180,000

It is nice to know that our chapter’s annual donation of approximately $20,000 is returning over $570,000 in research activity. This year the Nebraska Chapter’s Research Promotion committee is led by Dave Kros and Nick Mandel. If you would like to make an end of the year contribution to ASHRAE please contact either Dave at dkros@mechsales.com or Nick at nmandel@specializedeng.com. If you find yourself wanting to give back to your local community, I ask that you consider donating to ASHRAE Research.

I would also like to officially announce and ask for support for this year’s Nebraska Architectural and Engineering Conference (NAEC) that will be held in conjunction with the ASHRAE 2016 Central Regional Conference (2016 CRC) at the downtown Hilton on Friday, Aug 5th. By combining these events, we are able to combine our resources and provide a substantially higher attendance. Vendor registration for the NAEC and sponsorship for the CRC will be open soon so please be sure to consider supporting both events.

Sincerely,

Tyler Glesne
Nebraska ASHRAE Chapter President 2015-2016

**Also, a reminder to start thinking about making reservations to attend the ASHRAE Winter Meeting and Expo January 23-27 in much warmer Orlando, FL.**

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November Meetings

OMAHA—Mixed Methods Applied to the bEQ with Bryce Johnson

Tuesday, December 8th, 2015
Anthony’s Steakhouse — Choice of Club Sirloin ($25), Chicken Cordon Bleu ($20), Grilled Salmon ($20) or Chef Salad ($16)

Bryce Johnson is an ASHRAE Member and has worked as a licensed professional engineer in Nebraska since 1997. He received his Bachelors and Master’s degrees in Mechanical Engineering from the University of Nebraska in 1989 and 1992. He’s currently enrolled as a PhD student at UNL in the School of Natural Resources – Human Dimensions Specialty. Human Dimensions is a growing field of interest focusing on multi-disciplinary decision making and environmental public policy. Bryce is focusing on energy and water policy with a focus on Mixed Methods and Positive Psychology. Service as a board member on the United States Green Building Council – Nebraska Flatwater Chapter, and the Nebraska Human Resources Research Foundation has been a source of inspiration for this ASHRAE Conference Paper and future professional and academic work.

There will be a short introduction from Tyler Glesne about the application process for bEQ building certification.

LINCOLN—Mixed Methods Applied to the bEQ with Bryce Johnson

Wednesday, December 9th, 2015
Valentino’s—Buffet ($15)

See above for information on speaker.

For more information or to register for either meeting visit our website www.neashrae.org

Connect with NE ASHRAE

Want to stay connected to what Nebraska ASHRAE is doing?
Use the links to the right or look for us on social media today!

You can also join or emailing list by emailing

admin@neashrae.org

HAVE ANY QUESTIONS ABOUT ENERGY MODELING?

Next month’s meeting will feature a panel of professionals focusing on answering questions related to energy modeling.

If you have any questions you would like the panel to answer (how results vary between programs, how model results compare with real energy usages, etc.) please email Aaron Rasell at Aaron.Rasell@trane.com
We are looking into organizing some study groups for the PE.

Contact Callen Schwank if you’re interested!
Calen.Schwank@victaulic.com

The University of Nebraska EWB student chapter is looking for a technical mentor to assist students who are part of the water project.

Mentor would assist students in working on their design for the repair of a gravity fed water distribution system in their partner community of Kianjavato, Madagascar.

Duties would include meeting with the students approximately 1-2 hours per month as well as provide feedback and advice on students’ design and written project reports.

Mentor would also be welcomed to travel with project team to Madagascar on upcoming assessment trip or future implementation trips but travel is NOT required.

If you are interested in learning more about the water project or volunteering a few hours each month to help the students, contact Shannon Bartelt-Hunt at sbartelt2@unl.edu.
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**Christmas**

**New Year’s Eve**
ASHRAE Resource Promotion

A big thanks to all donors who contributed to the 2014-15 ASHRAE RP Campaign! It was a record fundraising effort with over $2.5 million raised on a national level for Research, YEA, Education, Scholarships, and the General Fund. The Nebraska Chapter contributed over $22,000, and this year’s Chapter goal has been set at $19,300.

We hope RP can count on your support again this year. Please consider sending in your personal or corporate contributions early to help our Chapter hit progress goals. We hope to raise 30% of goal by December 31 to earn Nebraska Chapter PAOE points. If you have any questions regarding RP or would like to contribute early to the 2015-16 Campaign, please don’t hesitate to contact myself, or Nick Mandel.

Thank you for your support of ASHRAE RP!

Dave Kros

Nick Mandel

dkros@mechsales.com

nmandel@specializedeng.com

402-659-3728

402-991-5520
Every dollar contributed toward ASHRAE Research is spent on research projects. At any given time, there are 80 or more projects being conducted under the Society’s guiding support. When projects are completed, their findings are then made available to the public and HVAC&R industry through various ASHRAE publications.

Again, thank you for your financial support and industry leadership! We appreciate your continued support of ASHRAE Research and look forward to your financial contribution this year.
What is the Grassroots Government Advocacy Committee?

In Society Year 2013-14, a new standing committee called the Grassroots Government Advocacy Committee (GGAC) was formed in response to several alarming observations:

- The pipeline of talent feeding the HVAC&R field is in danger of being closed even further through short-sighted state government regulation?

- Opportunities for more business in the development of sustainable buildings are being missed?

- Standards crafted by professionals in our industry are being passed over in favor of less prescriptive (and less beneficial to the profession) measures?

The Grassroots Government Advocacy Committee (GGAC) wants members at all levels of ASHRAE to be a part of this new and exciting program. In Society Year 2015-16, the Advocacy Committee and the Grassroots Government Activities Committee merged into the Grassroots Government Advocacy Committee, bringing all of ASHRAE’s government affairs under one umbrella.

What can you do?

It is vital that a network of active engineer-advocates exists worldwide to impress upon decision-makers how their choices will impact society—and HVAC&R professionals specifically—and create a sustainable build environment.

To learn more and take action on timely government affairs issues at all levels of government, visit ASHRAE’s government affairs action center at https://account.votility.com/enterprise/ASHRAE/ec/126

Know an ASHRAE Champion?

ASHRAE recognizes a member or team of members annually who excel in government advocacy at the Chapter level. Nominate that ASHRAE member or team today by using the application for the Grassroots Government Advocacy Award found below: Grassroots Government Advocacy Award Criteria Application >>

MORE ARTICLES

To find a full list of updates visit www.ashrae.org/government-affairs/government-affairs-updates

Click the button below to subscribe and receive information on activities within Congress and Federal agencies from the ASHRAE Washington office.
Future meetings
(Topics subject to change)

Omaha

Jan. 12th  Panel Discussion/Round Table: Energy Modeling  11:45am  Anthony's
Feb. 9th    ASHRAE Presidential Theme Speech  11:45am  Anthony's
Mar. 8th    Flow Measuring Technologies (Tech Session to Follow)  11:45am  Anthony's
Apr. 12th   ASHRAE Webcast  11:45am  Anthony's
May        SAC Federal Credit Union: Project Overview & Tour  TBD
June       ASHRAE Golf Outing  Iron Horse GC

Lincoln

Jan. 13th  NE State Chief Electrical Inspector  12:00pm  Valentino's
Feb. 10th  SAC Federal Credit Union Chilled Beam System  12:00pm  Valentino's
Mar. 9th   ASHRAE Presidential Message  12:00pm  Valentino's
Apr. 13th  VRV/VRF Round Table  12:00pm  Valentino's
May        CRES Tour  TBD
June       ASHRAE Golf Outing  Iron Horse GC

Chapter Chairpersons

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