

Ozarks ASHRAE 2012-2013 Chapter Officers and Committee Chairs:

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The Latent News is a monthly newsletter produced by the Ozark chapter of ASHRAE. Chapter may not speak for society.

If you have information you would like to include in the next ASHRAE Latent News, please have it to the editor no later than the first Tuesday of the month.

Editor: Naomi Fisher
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About our Speaker

"Benefits of VFDs on Cooling Tower, Chillers and Fans"

The December ASHRAE general meeting will be held Tuesday, December 18th at 12:00pm at 425 Downtown, which is located at 425 W Walnut St. Meal cost will be \$15, payable at the door and first-time attendees are free. **Please note, this is a different time than usual!**

Parking is available across the street, on the street or there is a free parking garage just north at the corner of Campbell and McDaniel. January's meeting will be a tour of Mother's Brewery on Wednesday, January 16, 2013. Please mark it on your calendar and watch for additional information as we will be asking for RSVP's for this tour.

Our speaker will be Joe Koepke, sales engineer for Fields Mechanical Systems. He will speak on the benefits of VFD's on cooling towers, chillers and fans.

Joe Koepke was born and raised in a small town just outside of Milwaukee, WI where he spent his childhood hunting and fishing with his Dad and brothers. Joe attended Milwaukee School of

Engineering where he earned his BS in Mechanical Engineering and he remains a loyal Green Bay Packer fan.

His senior year, Joe was privileged to intern with Yaskawa-America, the largest VFD Manufacturer in the world. After graduating, he was hired as a Technical Support Engineer, and 2 years later, was moved to HVAC Applications where he excelled as an applications engineer over the next seven years.

Joe has written several technical articles for HPAC Magazine as well as the online publication Automation.com. His article "The Benefits of VFDs on Cooling Towers" was one of HPAC's top five most viewed articles in 2008.

In August, Joe relocated to Springfield, MO with his wife and 4 children, to join the Fields Mechanical Systems team as a sales engineer, providing HVAC solutions.

ASHRAE Research Promotion Donation

We want to recognize and thank Johnson Controls for their generous donation to the Ozarks ASHRAE Research Promotion fund. Their \$1,000 donation, plus the officer's Full Circle contributions put us well on the way towards our chapter goal of \$3,500 for the year.

Money given towards ASHRAE research promotion helps to provide over \$2 million each year to fund many different research projects. If you would



like to contribute personally or on behalf of a company, contributions can be made online at: <https://xp20.ashrae.org/secure/researchpromotion/rp.html>

ASHRAE's Government Affairs Office 2013 WISE Internship

Founded in 1980 through the collaborative efforts of several professional engineering societies, the Washington Internships for Students of Engineering (WISE) has become one of the premier Washington internship programs. The program's goal is to groom future leaders of the engineering profession in the United States who are aware of and who can contribute to the increasingly important issues at intersection of science, technology and public policy.

Each year, the WISE societies select outstanding 3rd year or 4th year engineering/computer science students, or students in engineering/computer science

graduate programs, from a nationwide pool of applicants. The students spend nine (9) weeks in the summer in Washington, DC during which they learn how government officials make decisions on complex technological issues, and how engineers can contribute to legislative and regulatory public policy decisions. ASHRAE's Government Affairs Office hosts an outstanding engineering student every summer through this program.

The 2013 Washington Internship for Students of Engineering (WISE) is a great professional development opportunity for ASHRAE student members. ASHRAE's Government Affairs Office needs your help in publicizing the opportunity, so please

share the information with any applicable students you think might be interested.

The deadline for applications is December 31. Individuals interested in the internship opportunity can get additional information and apply by visiting the website below:

<http://www.wise-intern.org/application/index.html>



ASHRAE's 2013 Winter Conference Hosted in Dallas



Advance registration ends December 31 for the 2013 ASHRAE Winter conference in Dallas, TX. Advance registration fees are \$370 for members, \$560 for non-members

until December 31. There is a first-time attendee price of \$345 for members, \$535 non-members also until December 31.

Special prices also apply for speakers and student members. See the website at: www.ashrae.org/dallas for additional information and registration forms.

Join ASHRAE at its 2013 Winter Conference and the AHR Expo®!

Jan. 26–30/Jan. 28–30, Dallas

Register before
Nov. 4 and SAVE!!!



www.ashrae.org/dallas

Technical Program—join your fellow members and industry leaders to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design

Virtual Conference—if you can't make it to Dallas, take advantage of the knowledge shared in the technical program with the Virtual Conference

AHR Expo—The ASHRAE co-sponsored AHR Expo takes place Jan. 28-30 at the Dallas Convention Center. www.ahrexpo.com

ASHRAE Certification—all six certification programs are being offered: Building Energy Assessment Professional; Building Energy Modeling Professional; Commissioning Process Management Professional; High-Performance Building Design Professional; Healthcare Facility Design Professional; and Operations and Performance Management Professional.

ASHRAE Learning Institute—five Professional Development Seminars and 15 Short Courses are offered, including new courses on the air-to-air energy recovery, ultraviolet germicidal irradiation systems, combined heat and power efficiency, laboratory design and HVAC systems optimization.

Upcoming Events

General Meeting:
December 18, 2012

Joe Koepke
Benefits of VFDs on Cooling
Towers, Chillers & Fans

Next general meeting:
Tour of Mother's Brewery
Wednesday, January 16, 2013
3:30-4:30pm

Upcoming ASHRAE Webcast:
April 18, 2013
Assessing Building Energy

Upcoming Topics:
Central Chilled Water Systems

Methods of Effective Room Air
Distribution

Watch upcoming newsletters
for more information!

We're on the Web!

See us at:

www.ozarksashrae.org

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ASHRAE participates in STEM Education Efforts

ATLANTA - The United States produces approximately 74,000 engineers a year, a number that has remained essentially flat for the past two decades. With the impending retirement of the Baby Boomer generation, an anticipated shortage of engineers will affect virtually every aspect of our environment, society and lifestyle. ASHRAE is increasing its efforts in expressing the importance of science, technology, engineering and math (STEM) education – most notably, in the area of public policy.

To accomplish this, ASHRAE has joined the STEM Education Coalition. The Coalition works to inform federal, state and local policymakers on the critical role that STEM education plays in keeping the U.S. competitive in the global marketplace, as well as in guaranteeing future economic prosperity. The Coalition advocates for policies that will improve STEM education and provide greater access to STEM programs. As members of the Coalition's Leadership Council, ASHRAE will work with other member organizations to advance the Coalition's policy aims through direct advocacy and grassroots education efforts.

ASHRAE hopes to unite its grassroots efforts with other organizations of the coalition that have similar goals at the

state and local level. For example, ASHRAE encourages policymakers to implement the following recommendations:

- Increase federally funded research to improve teaching and learning of STEM concepts and critical thinking skills.
- Recruit, train and retain qualified STEM teachers through the development of programs recognizing educators who excel in STEM education, and incentives that encourage the best and brightest scientists and engineers to teach.
- Foster partnerships among educational institutions, industry, and non-profit organizations and their members.
- Encourage the adoption of curriculum standards that cultivate high student performance; the development of curricula that foster creativity, experiential problem solving and critical thinking; and the development of assessments aligned with these standards and curricula.
- Create opportunities and incentives for women and minorities to pursue STEM coursework and careers.

ASHRAE also provides resources for its members to reach out to schools and students to promote STEM education. An online resource guide for kindergarten through 12th grade is available at www.ashrae.org/ashraek12.

ASHRAE VISION

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

ASHRAE CORE VALUES

Advancement

We are committed to the advancement of the arts and sciences of HVAC & R for the benefit of society through research, technology development and transfer, and education and training.

Leadership

We are committed to providing leadership within our industry and developing leadership qualities in our members.