

THE REGISTER

Focus on ASHRAE Technology & Membership Education



President's Message

Dear Nebraska ASHRAE Members:

In honor of April being our annual Student Meeting, I would like to start off by congratulating our *Nebraska Chapter ASHRAE Scholarship* recipients: **Brett Thorn, Justin Blackledge, Tony Dupsky, and Wyatt Wirges**. Two MAE students will be presenting their final MAE projects at this meeting. Coincidentally, we will have the honor of hosting our Student Activities RVC for Region IX, Kevin Ainsworth, at this meeting. This month's meeting is also our joint ASHRAE/ASPE meeting. Lily Wang is generously donating two tickets to the first **Husker** home **football** game on August 31st as a raffle prize. Hope to see you on Tuesday!

Plan to watch the **ASHRAE Webcast** on "Assessing Building Energy Performance: From Principles to Practice" on **April 18th**. The local Trane office has generously offered to host the webcast! Please register to attend.

The 2013 ASHRAE Annual Conference is in Denver, Colorado June 22-26. Early bird registration ends April 22nd. Visit the www.ashrae.org website for registration information.

If you are interested in getting involved with our chapter, we have several opportunities and some committee co-chair positions available. Please contact me if you are interested and if you have any questions or comments, rmeyersick@schemmer.com.

Thank you for supporting ASHRAE!

Sincerely,

Renee Meyersick

Nebraska Chapter of ASHRAE President 2012-2013

April 2013
Volume 54, Issue 8

Chapter Officers:

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Renee Meyersick

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American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

A N I N T E R N A T I O N A L O R G A N I Z A T I O N

Omaha Meeting – Tuesday, April 9th, 2013

Location: Anthony's Steakhouse, 7220 F Street, Omaha, NE 68127
Check-in: 11:30 a.m. (Please arrive early to facilitate serving meals)
Lunch: To be served prior to 12:00 p.m.
Menu: Club Sirloin [\\$21.00](#)
Chicken Cordon Bleu [\\$16.00](#)
Grilled Salmon [\\$16.00](#)
Topics: Student Chapter Meeting
Speaker: UNO Student ASHRAE Group: Phil Kotta, Student Chapter President, Tony Dupsky and Wyatt Wirges

Pre-registration for this meeting would be GREATLY APPRECIATED!!!

Dr. Lily Wang will be donating two tickets to the first Husker home football game as the meeting's raffle prize (Wyoming at Nebraska on August 31st)

Reservation required by Monday, Apr. 8, 2013: Nick Mandel, Specialized Engineering
nmandel@specializedeng.com

Omaha Featured Speaker

Phil Kotta, this year's UNO ASHRAE President, will give a general powerpoint presentation of this year's UNO ASHRAE events, and then two current MAE students will be presenting on their final MAE projects:

- Tony Dupsky "Energy Consumption Comparison between 100% Outdoor Air Economizer and DOAS"
- Wyatt Wirges "Modeled Seasonal Demand Load Shifting Via Optimized Maintenance Operation"

Future Omaha Chapter Meetings

May 14 th	Facility Tour – TBD	TBD
June 17 th	ASHRAE Golf Outing	Iron Horse

Chapter Chairpersons:

Membership Promotion

Jake Kopocis
Chris Hawk

Research Promotion

Shaun Nienhueser
Matt Sargent

Student Activities

Scott Murray
Alex Skillman

Chapter Technology Transfer & Omaha Programs

Jake Schanzmeyer
Dustin Brand

Lincoln Programs

Mike Barry

E-Commerce

Eric Granzow

Historian

Jim Ellis

Reception

Nick Mandel

UNO Student Chapter

Lily Wang

UNL Student Chapter & Chapter Website

Tim Wentz

Special Events

Rob Harper

Newsletter

Nick Decker
Ben Schmitt

Librarian

Bill Wieseler



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A N I N T E R N A T I O N A L O R G A N I Z A T I O N

Lincoln Meeting – Wednesday, April 10th, 2013

Location: Valentino's, 35th & Holdrege, Lincoln
Check-in: Noon (Please arrive early to facilitate serving meals)
Lunch: To be served prior to 12:00 p.m.
Menu: Buffet **\$13.00** Please note new price!
Topic: Acoustics That Make the Grade: Improving Sound Performance in Classroom Environments
Speaker: Dr. Lily Wang, Associate Professor and Program Coordinator of The Architectural Engineering Program at UNL
Pre-registration for this meeting would be GREATLY APPRECIATED!!!

Reservation required by Tuesday Apr. 9, 2013: Mike Barry, Black Hills Corp
mike.barry@blackhillscorp.com

Lincoln Featured Speaker

Dr. Lily Wang is an Associate Professor and Program Coordinator of the Architectural Engineering Program within the Durham School of Architectural Engineering and Construction at the University of Nebraska – Lincoln. She received her BS in Civil Engineering from Princeton University and her PhD in Acoustics from Penn State University. Her research focuses on a variety of room acoustic and noise control topics, including human perception and performance in noise, indoor noise criteria, room acoustics computer modeling, and classroom acoustics. She with her students has published over 20 peer-reviewed papers on these topics and presented over 60 papers, primarily at ASHRAE and Acoustical Society of America (ASA) conferences.

Dr. Wang is a member of ASHRAE, a Fellow of the Acoustical Society of America, and Board-Certified by the Institute of Noise Control Engineering. She is a recipient of the ASHRAE Ralph G. Nevins Physiology and Human Environment Award and the ASHRAE Distinguished Service Award, having been active in Technical Committees 2.06 Sound and Vibration Control and 2.01 Physiology and Human Environment. She has also received a number of Distinguished Teaching Awards at the University of Nebraska – Lincoln, a National Science Foundation CAREER Award, and the R. Bruce Lindsay Award from the Acoustical Society of America. She obtained her Professional Engineers (PE) license in Acoustics from the state of Oregon in 2007.

Dr. Wang's presentation will be "Acoustics That Make the Grade: Improving Sound Performance in Classroom Environments"

This presentation will review the importance of classroom acoustics and discuss recent research about the effects of classroom acoustics on speech intelligibility and student achievement. The current ANSI Standard S12.60 on classroom acoustics is presented, followed by general guidelines for how to design for good acoustics in these environments, particularly with regards to the heating, ventilation and air-conditioning (HVAC) systems. A specific case study is presented with audio samples to demonstrate the impact of appropriate HVAC system design towards achieving acceptable classroom acoustics.

Future Lincoln Chapter Meetings

May 8 th	Energy Code	Noon @ Valentino's
June 17 th	ASHRAE Golf Outing	Iron Horse

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- Articles for next month are due by Monday, **May 6th, 2013**
 - Please send to:

Nick Decker
LEO A DALY
nrdecker@leoadaly.com

ASHRAE, founded in 1894, is an international organization of 51,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.



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