

THE REGISTER

Focus on ASHRAE Technology & Membership Education



NEBRASKA ASHRAE

October 2011
Volume 53, Issue 2

President's Message

Dear Nebraska ASHRAE Members,

I want to thank everyone who attended our September meeting on energy modeling last month. We had great attendance at both the Omaha and Lincoln meetings. I hope to see our meeting attendance grow each month. Please encourage others co-workers, colleges, and friends in the industry to attend our monthly meetings and don't forget that Professional Development Hours (PDH) are available at each meeting. Our goal is to organize meeting topics that are relevant to our industry and would love suggestions on future topics or speakers.

This month I would like to provide an update on our Student Activities Committee. I first want to thank every member who donates their time during the year to talk, mentor, or teach students from elementary age through college. The Nebraska Chapter continually leads our ASHRAE Region in the amount of hours donated by members to student groups. Exposing students to the opportunities of engineering as a potential career is invaluable to advancing our industry.

We have a few changes to our Student Committee that I would like to make everyone aware. First we have a new chairperson in Scott Murray. Scott is a recent graduate of the University of Nebraska Architectural Engineering program where he was heavily involved with the student chapter of ASHRAE. Scott will be responsible for working with our local student chapters, facilitating our scholarship program, organizing student involved activities and scholarship fundraising efforts. **Keep your eyes open for the announcement of another fun student scholarship fundraising event based on the success of last year's Lucky Bucket Brewery Tour!**

This past year the Nebraska Chapter made a change to our student scholarship fund that we feel will help maintain our yearly scholarships for years to come. A scholarship fund through the University of Nebraska Foundation has now been set up to manage all scholarship monies for our chapter and to help distribute funds to students. The Nebraska Chapter annually awards four \$1000 dollar memorial scholarships to college age students majoring in HVAC&R related engineering or construction management programs. The Nebraska ASHRAE Memorial Scholarship and Fellowship Fund is in honor of B.G. Petersen, Ray Alvine, Ray Dunbar, X. Hoffman, and Larry Jenkins.

(continued)

Chapter Officers:

President

Kim Cowman

President Elect

Renee Meyersick

Secretary

Sarah Richardson

Treasurer

Jeff Backemeyer

1st Board Member

Tyler Glesne

2nd Board Member

Jessica Errett

Board Ex-Officio

Rob Harper

Next Month:

- Articles for next month are due by **Nov. 1, 2011**
- Please send to:
Ben Schmitt
Farris Engineering
bschmitt@farris-usa.com
Ph: 402.330.5900



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

**Chapter
Chairpersons:**

**Membership
Promotion**

Jake Kapocis

Research Promotion

Shaun Nienhueser
Matt Sargent

Student Activities

Scott Murray

**Chapter Technology
Transfer & Programs**

Jeremy Hunter

Omaha Programs

Shane Cherney

Lincoln Programs

Mike Barry

Historian

Jim Ellis

Reception

Alex Skillman

**UNO Student
Chapter & Chapter
Product Director**

Lily Wang

**UNL Student Chapter
& Chapter Website**

Tim Wentz

Special Events

Rob Harper

Newsletter

Ben Schmitt

Librarian

Bill Wieseler

President’s Message -- continued

Larry Jenkins name was added to this memorial scholarship last year to honor his service and dedication to our local chapter. Members can directly donate to this scholarship fund through the University Foundation.

Moving scholarship funds to the University Foundation does not stop our ASHRAE Chapter from providing scholarships to student programs outside of the University of Nebraska system. Being able to maintain our ability to encourage and support other student programs throughout Nebraska is very important to our Chapter and this move to the Foundation program does not limit us in supporting other student programs.

If any member has questions or would like to volunteer with our Student Activities Committee please contact Scott Murray at s.murray@sensus.com or me, at krcowman@leoadaly.com.

Best Regards,
Kim Cowman
Nebraska ASHRAE President 2011-2012

Membership and Promotion

We would like to recognize our new members that have joined since May 1, 2011.

- | | |
|------------------------------|------------------------------|
| Ryan Stutzman – Lincoln, NE | Michael Ediger – Omaha, NE |
| Chad Westphalen – Omaha, NE | Sunil Patel – Atlanta, GA |
| Kyle Heberly – Omaha, NE | Jake Schanzmeyer – Omaha, NE |
| Morgan Fogarty – Omaha, NE | Lenny Boury – Omaha, NE |
| Nathan Rasmussen – Omaha, NE | Ryan Adrian – Omaha, NE |
| David Roberts – Lincoln, NE | Mark Clark – Omaha, NE |

Thank you for joining the Nebraska ASHRAE Chapter and we all look forward to seeing you at the meetings and events.

We are currently looking for ideas, recommendations, and volunteers for the 2012 winter event in February as well as for a couple of YEA events. If anyone can help we would appreciate it. Please let Jake Kopocis (Membership Chair) know if you’re interested. jkopocis@controlservices.com

Communications/Technology Director Needed

If you are technology savvy, and looking for a way to contribute more to the Nebraska ASHRAE Chapter, now is your time to shine. We are looking for people in both Omaha and Lincoln who would like to help bring our chapter into the technology age. Maybe you have ideas that would make our chapter more effective, maybe you have the knowhow when it comes to computer-ease, or maybe you’re just interested and want to help out. Getting involved in the chapter is rewarding, and fun, so let Sarah Richardson (sarahr@spihvac.com, 402.214.8162) know if you would like to help.



Omaha Meeting – Tuesday, October 11, 2011

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**
Topic: Developments in Seismic Bracing
Speaker: Jeff Jackson, Fire Protection and Seismic Bracing

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

Reservation required by Friday, Oct. 7, 2011: Alex Skillman, Leo A. Daly
ABSkillman@leoadaly.com

Omaha's Featured October ASHRAE Speaker

Jeff is currently The Regional Sales manager for Fire Protection and Seismic Bracing. Jeff was formerly the World Wide Product Development Manager for ERICO International or what you might better know as CADDY products, in world wide seismic bracing products for non-structural systems. Jeff has been involved with seismic bracing for the past 5 years and has several years experience working in world wide product management and distribution, manufacturing, six sigma, and sourcing. Jeff will be sharing developments in seismic bracing and the challenges in application.

Future Omaha Chapter Meetings

November 8	Load Match Pumping (ASPE Joint Meeting)	11:45 @ Anthony's
December 13	TBD	11:45 @ Anthony's
January 10	Omaha Chamber of Commerce	11:45 @ Anthony's
February 14	BIM Update	11:45 @ Anthony's
March 13	ASHRAE Distinguished Lecturer	11:45 @ Anthony's
April 10	UNO Student Chapter Meeting	11:45 @ Anthony's
May 8	Downtown Omaha Energy	11:45 @ Anthony's
June	ASHRAE Golf Outing	T.B.D.



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

Lincoln Meeting – Wednesday, October 12, 2011

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**
Topic: Gutters for Gayaza
Speaker: David Holtzclaw, Transduction Technologies

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

Reservation required by Friday, Oct. 7, 2011: Mike Barry, Black Hills Corp
mike.barry@blackhillscorp.com

Lincoln's Featured October ASHRAE Speaker

David Holtzclaw received his BS and MS in Aerospace Engineering from Purdue University and PhD in Biomedical Engineering from the University of Cincinnati in 2001. Previously he worked at NASA Johnson Space Center in Houston, TX, Emory University in Atlanta, GA, and the University of Nebraska Medical Center. Currently, he runs Transduction Technologies, a bioengineering and green energy start-up company in Omaha, NE.

David started working with Engineers Without Borders in 2006 as a mentor for the Rice University Student chapter of EWB. He has travelled to Nicaragua and Kenya on projects. David is the current president of the Professional Chapter of Engineers Without Borders (EWB).

Engineers Without Borders (EWB) is a non-profit organization that provides infrastructure and engineering support to

developing communities and is currently working in 45 countries. The Nebraska Professional chapter of EWB will present their ongoing work in Gayaza, Uganda, where EWB-NE has recently designed and built a rainwater harvesting system to provide clean water to a medical clinic in Gayaza

Future Lincoln Chapter Meetings

November 9	Load Match Pumping	Noon @ Valentino's
December 14	Sound Attenuation	Noon @ Valentino's
January 11	LES Data Center Design	Noon @ Valentino's
February 8	UNL Student Chapter MESC Competition Update	Noon @ Valentino's
March 14	ASHRAE Distinguished Lecturer	Noon @ Valentino's
April 11	Fan Curve Basics and Advancements	Noon @ Valentino's
May 9	Tim Wentz	Noon @ Valentino's

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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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ASHRAE Learning Institute 2011 Fall Online Course Series

2 WAYS TO REGISTER

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 seminar. Courses are in US Eastern Standard Time.




Complying with Standard 90.1-2010: Envelope/Lighting
Mon, October 3, 2011 – 1:00 pm to 4:00 pm EST

Healthcare Facilities: Best Practice Design
Mon, October 31, 2011 – 1:00 pm to 4:00 pm EST

Healthcare Facilities: Best Practice Application
Wed, November 2, 2011 – 1:00 pm to 4:00 pm EST

Evaluating the Performance of LEED-Certified Buildings
Mon, November 7, 2011 – 1:00 pm to 4:00 pm EST

Project Management for Improved IAQ 
Wed, November 9, 2011 – 1:00 pm to 4:00 pm EST



The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/DPH credits. Archiving is available.

Data Center Energy Efficiency – Part 1
Mon, October 10, 2011 – 1:00 pm to 4:00 pm EST

Data Center Energy Efficiency – Part 2
Wed, October 12, 2011 – 1:00 pm to 4:00 pm EST

Using Standard 90.1 to Meet LEED Requirements – Part 1
Mon, October 17, 2011 – 1:00 pm to 4:00 pm EST

Using Standard 90.1 to Meet LEED Requirements – Part 2
Wed, October 19, 2011 – 1:00 pm to 4:00 pm EST

Implementing Standard 189.1 for High-Performance Green Buildings – Part 1
Mon, October 24, 2011 – 1:00 pm to 4:00 pm EST

Implementing Standard 189.1 for High-Performance Green Buildings – Part 2
Wed, October 26, 2011 – 1:00 pm to 4:00 pm EST

ASHRAE HVAC Design Essential Workshop

January 11-13, 2012 • ASHRAE Foundation Learning Center • Atlanta, GA

Obtain the skills needed to:

- Improve overall building performance
- Design high-performance HVAC systems
- Effectively collaborate on an integrated design team

ASHRAE has created the HVAC Design Essentials to provide intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, this workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team.

In addition to gaining in-depth knowledge and understanding, attendees will receive real-world examples of HVAC systems based on the newly renovated ASHRAE Headquarters building. The workshop teaches a systematic approach to guide a design team to a solution that optimally meets the client's expectations.

Who Should Attend

- Engineers new to the HVAC industry
- Facilities managers involved in new construction or major renovation projects
- Technicians who would like to gain design knowledge
- Architects who want to understand HVAC design
- Construction project managers involved with mechanical systems



Visit www.ashrae.org/hvacdesign to register

ASHRAE Certification Programs

- Building Energy Assessment Professional (BEAP)
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBPD)
- Operations & Performance Management Professional (OPMP)

For more info, visit
[www.ashrae.org/
certification](http://www.ashrae.org/certification)

PROFESSIONAL DEVELOPMENT COURSE

HVAC for Industrial and Commercial Facilities

HOSTED BY ASME DISTRICT C – NEBRASKA SECTION

Wednesday, November 2, 2011

8:00 a.m. – 4:30 p.m.

Mahoney State Park Lodge
Ashland, NE

Earn Eight Continuing Education Hours

Join your colleagues as representatives from New York Blower and Trane discuss topics related to HVAC for industrial and commercial facilities. Planned topics include fan selection, operation and maintenance of fans, the future of refrigerants, chiller selection, and variable frequency drives for chillers. There has been quite a bit of interest in an HVAC course, so early registration is encouraged.

The course fee is \$100 for ASME members and \$110 for non-members. There is a discounted fee of \$80 for retirees and students. This fee includes course materials, CEH certificate, continental breakfast, lunch, refreshments, and state park entry permit. Breakfast will be available starting at 7:30 a.m.

Profits are used to fund scholarships and support student activities in both high school and college such as Power Drive, SAE Mini Baja, Create Robotics Competition, and student engineering chapters.

Paid reservations are required and are due by October 26.

Contact Jay Fluehr at FluehrEngineering@gmail.com for more information.

Register and pay online via credit card using 'Register' in the link below.
If you are registering several individuals at once, please enter their names in the "Add special instructions to merchant" box on the payment review page.
<http://www.sections.asme.org/nebraska/PDCourse-Nov2011.html>

If paying by check, make payment to ASME – Nebraska Section.
Send to Dave Stransky, 6638 S. 110th St., Omaha, NE 68137

JOB DESCRIPTION: CADD TECHNICIAN – LINCOLN, NE

M.E. GROUP's genuine, progressive approach is recognized nationally for high-performance green building consulting. We continue to grow and are looking to add an outgoing, detail-oriented, and motivated CADD Technician to work in our Lincoln office. We work in a stimulating, collaborative and fun environment and this professional will have the opportunity to make a contribution to our success in national projects for the firm.

Job Responsibilities	Key Responsibilities	Compensation Package
<ul style="list-style-type: none">• Lead REVIT/BIM projects in the Nebraska offices• Interpreting & Drafting Engineer Created Redlines• Create REVIT MEP Models• Setup/Plot/Print CAD Drawings	<ul style="list-style-type: none">• A 2 Year Degree (required) with 2-5 Years Relevant Experience• A strong knowledge of REVIT MEP 2008 or newer and AutoCAD 2008 or newer• Knowledge of Mechanical, Electrical or Plumbing Design	<ul style="list-style-type: none">• Insurance: Medical, Dental, Vision, Disability, Life, Supplemental Life• 401(K) with employee matching• Health Club Membership Reimbursement• Tuition Assistance• Three Weeks Paid Time Off plus Eight Paid Holidays• Personal Computer Purchase Assistance• Relocation Reimbursement, Signing bonus & Ownership Opportunities

About Us:

M.E. GROUP is a mid-sized mechanical and electrical consulting engineering firm with seven offices. The firm is a nationally recognized, established leader in innovative building systems design with a focus on sustainability and energy-efficiency. We are creative, outgoing, intelligent, and ethical people who enjoy what we do.

M.E. GROUP, Inc. is an Equal Opportunity Employer. Visit our website for more details, www.megroup.com