



February 2012
Volume 53, Issue 6

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President's Message

Dear Nebraska ASHRAE Members,

It finally appears that winter has found us this year and we have some great ASHRAE programs to break up the winter blues. I wanted to touch on last month's Omaha meeting and how great it was to hear the President of the Omaha Chamber of Commerce discuss their efforts in bringing new businesses and opportunities to the Omaha Metro area. It's was obvious from David Brown's presentation how passionate the Chamber is about their work and how they are strategically bringing growth to our community. These type of non-technical presentations are a great opportunity to educate our chapter on changes to our metro area marketplace that have the potential of turning into HVAC engineering opportunities.

This month in Omaha we have Todd Shackelford talking about BIM and how this is affecting our engineering work process. I feel this is a very timely presentation as BIM is becoming more and more the standard in the design process and we all need to grow our understanding of this new technology. I'm sure we all have some opinion of the BIM process whether it happens to be good, bad, or indifferent and Todd's presentation will help to educate us and clear up any reservations or misconceptions on BIM.

The Lincoln meeting will be hosting the Lincoln Student Chapter who will provide an update to their MESC Competition. This is a great opportunity to give feedback to the students and help them improve their submittal for competition.

I hope our chapter members are finding our monthly technical presentations beneficial and we would love suggestions on how we can continually improve our topics and presentations. Please feel free to contact myself or Jeremy Hunter, jhunter@datpower.com, with any suggestions or comments.

Best Regards,

Kim Cowman
Nebraska ASHRAE President 2011-2012

Next Month:

- Articles for next month are due by **Mar. 2, 2012**

- Please send to:

Ben Schmitt

Farris Engineering

bschmitt@farris-usa.com

Ph: 402.330.5900



**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

ASHRAE Iowa February Meeting Announcement

Terry Townsend, P.E. of Townsend Engineering in Chattanooga, TN will be giving a lecture on *Advanced Energy Conservation and IEQ Design Guidance and Applications*. His presentation goes through guidance in the AEDG (Advanced Energy Design Guide) series coupled with advanced guidance from Standards 90.1, 62.1 and 55 in order to provide the design team with tactics that must be integrated into sustainable buildings as we march forward to Net-Zero Energy facilities. The presentation will provide specific guidance for building types and climatic regions that attendees will be familiar with.

Date:

Wednesday, February 8th

Location:

Holiday Inn Downtown
1050 6th Ave.
Des Moines, IA 50314
<http://g.co/maps/dnwfk>

Speaker:

Terry Townsend, ASHRAE Distinguished Lecturer

Schedule:

2-5PM: Tech Session

Topic: *Advanced Energy Conservation and IEQ Design Guidance and Applications*

5-6PM: Social Hour

6-7PM: Dinner and business meeting

Cost:

Tech Session: Free to ASHRAE Iowa Chapter members, \$50 for non-members

Dinner: Free to ASHRAE Iowa Chapter members, \$15 for non-members

Credit card payments accepted at the door

RSVP:

Please RSVP by Friday, February 3rd if you are attending

Email our CTTC/Programs co-chair, Tim Grossman: tgrossman@mechsales.com



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, February 14, 2012

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: BIM Update
Speaker: Todd Shackelford, Alvine & Associates

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

Reservation required by Friday, Feb. 10, 2012: Alex Skillman, Leo A. Daly
ABSkillman@leoadaly.com

Omaha's Featured February ASHRAE Speaker

Todd Shackelford is the BIM Manager for Alvine and Associates, the president of the BIM Board of Omaha, a University of Nebraska instructor and featured speaker at Autodesk University, AIA, ASHRAE, CSI, and IEEE events. He has been published in AEC Edge, Cadalyst, and AUGIWorld magazines and authors two Blogs; [CAD Shack](#) and [The Lazy Drafter](#). He currently serves as the Revit MEP Content Manager for AUGIWorld magazine.

Future Omaha Chapter Meetings

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, February 8, 2012

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: ASHRAE's Building Energy Quotient (BEQ) Program: Is it in Your Future?
Speaker: UNL Construction Management – MESC Students

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

Reservation required by Monday, Feb. 6, 2012: Mike Barry, Black Hills Corp
mike.barry@blackhillscorp.com

Future Lincoln Chapter Meetings

March 14	ASHRAE Distinguished Lecturer	Noon @ Valentino's
April 11	Selecting the Correct Fan	Noon @ Valentino's
May 9	Tim Wentz	Noon @ Valentino's

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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- Please send to:

Ben Schmitt
Farris Engineering
bschmitt@farris-usa.com
Ph: 402.330.5900



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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



Date:

MARCH 7, 2012

Location:

SCOTT CONFERENCE CENTER

6450 PINE ST.

OMAHA, NE 68106

EARLY REGISTRATION ENDS

FEBRUARY 9!

HURRY! DO NOT MISS ON

THIS OPPORTUNITY!

We would like to invite you to participate in the first annual **AEI/ASHRAE Expo on March 7th, 2012**. The event is sponsored by the Architectural Engineering Institute (AEI) and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). It will be a one day Technical Conference and Expo for professionals and students involved in the building industry.

This event will present an opportunity to engineers, architects, contractors, building managers and owners, interior designers, students and others involved in the building industry to learn about new technologies, applications and methodologies used in design, construction and building operations.

In addition to the technical presentations throughout the day, there will be a large central exposition with product representatives and their products for a wide variety of building materials and technologies. The Expo will be at the same location as the conference so between sessions you can peruse the latest and greatest products out there for the building industry.

For more information you can visit the website at www.aei-ashraexpo.org or email us at info@aei-ashraexpo.org

Thank you and we hope to see you in March!

Sincerely,
The AEI-ASHRAEXPO planning committee

E-WEEK BANQUET

THURSDAY, FEBRUARY 23, 2012

Sponsored by the Engineer's Roundtable

<http://engineerroundtable.org/>

0.1 Continuing Education Units (CEU) or

1.0 Professional Development Hours (PDH) available

2011 Flood And Moving Forward

Jody Farhat serves as the Chief of the Missouri River Basin Water Management for The Corps of Engineers' Northwestern Division. This year's topic she will discuss the historic flood of 2011 and how the U.S. Army Corps of Engineers is committed to working with other agencies and stakeholders to best prepare the system for the 2012 runoff season and reduce flood risk throughout the basin. The system is vulnerable and many repairs will not be completed prior to the start of the 2012 runoff season. The Corps will maintain a flexible posture through the fall and winter as the remaining flood water is evacuated from the system. The operation of the reservoir system must be based on good data, science and engineering, and with consideration of ongoing critical repairs. The recently released report of the independent external review panel provided recommendations to improve the operation of the reservoir system.

Banquet Location:

Strategic Air & Space Museum
28210 West Park Highway
Ashland, NE 68003
402.944.3100

Dinner Selections & Prices:

Entrée Choices:

<i>Filet Mignon</i>	\$33.00
<i>Chicken Marsala</i>	\$30.00
<i>Grilled Salmon</i>	\$32.00

Time:

6:00 PM – Social Hour (Cash Bar)
7:00 PM – Banquet & Speaker

(All meals include: garden salad, seasoned oven roasted red potatoes, green beans Almandine, roll & butter, your choice of N.Y. Style Cheesecake or Chocolate Decadent Cake and coffee/tea)

The lead society for this year's national E-Week is The American Society of Mechanical Engineers and the lead company is Battelle.

*Please note that this event is a **Thursday evening**. In order to provide a total attendance count to the Museum, only advanced reservations will be accepted. Advanced reservations, menu choices, attendee's name and payment must be received by **noon, Tuesday, February 21, 2012** (Monday the 20st is a mail Holiday). Checks should be made payable to the **"E-Week Roundtable."** Please clip the reservation form below (add an additional sheet if required), attach payment and send to the address shown.*

Send to: Elizabeth Hunter, Leo A. Daly Company Questions: email eahunter@leoadaly.com
8600 Indian Hills Drive, Omaha, NE 68114, (Phone # 402-390-4473)

Attendee's Name(s)	Quantity	Menu Choice		Total Cost
_____	_____	<i>Filet Mignon</i>	x \$33	_____
_____	_____	<i>Chicken Marsala</i>	x \$30	_____
_____	_____	<i>Grilled Salmon</i>	x \$32	_____
		Total Cost		_____

Attendee's E-mail address or daytime phone number: _____

ASHRAE Learning Institute 2012 Spring 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 course. Courses are in US Eastern Standard Time.



District Cooling & Heating Systems

Mon, March 19, 2012 – 1:00 pm to 4:00 pm ET

Basics of Combined Heat & Power

Wed, March 21, 2012 – 1:00 pm to 4:00 pm ET

Evaluating the Performance of LEED®-Certified Buildings

Wed, March 28, 2012 – 1:00 pm to 4:00 pm ET

Commissioning Process & Guideline 0

Wed, April 4, 2012 – 1:00 pm to 4:00 pm ET

* Complying with Standard 90.1-2010: HVAC/Mechanical

Mon, April 9, 2012 – 1:00 pm to 4:00 pm ET

* Complying with Standard 90.1-2010: Envelope/Lighting

Wed, April 11, 2012 – 1:00 pm to 4:00 pm ET

* Take both Standard 90.1 courses and save 20% on the price of these courses



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

Humidity Control: Principles and Applications – Part 1

Mon, March 26, 2012 – 1:00 pm to 4:00 pm ET

Humidity Control: Principles and Applications – Part 2

Mon, April 2, 2012 – 1:00 pm to 4:00 pm ET

Implementing ASHRAE Standard 189.1-2009 – Part 1

Mon, April 16, 2012 – 1:00 pm to 4:00 pm ET

Implementing ASHRAE Standard 189.1-2009 – Part 2

Thurs, April 19, 2012 – 1:00 pm to 4:00 pm ET

Integrated Building Design – Part 1

Mon, April 23, 2012 – 1:00 pm to 4:00 pm ET

Integrated Building Design – Part 2

Wed, April 25, 2012 – 1:00 pm to 4:00 pm ET

ASHRAE HVAC Design Workshops

2 Workshops, 5 Days of Intense Instruction

May 21-25, 2012 • ASHRAE Foundation Learning Center • Atlanta, GA

HVAC Design: Level I – Essentials

May 21-23, 2012

ASHRAE's HVAC Design: Level I - Essentials workshop provides intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, the workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team. Gain the fundamentals and technical aspects to design, install and maintain HVAC systems.

HVAC Design: Level II – Applications

May 24-25, 2012

ASHRAE's HVAC Design: Level II - Applications workshop provides advanced instruction on HVAC system designs for experienced HVAC designers or those who completed the HVAC Design: Level I Essentials workshop. Gain an understanding of system design incorporating the application of Standards 55, 62.1, 90.1 and 189.1.

Creating Effective, Highly Skilled Engineering Team Members

- Gain knowledge to make immediate contributions to design projects
- Participate in in-depth, practice-focused training
- Learn from industry leaders selected by ASHRAE
- Receive free bonus resources valued at over \$200

Attendees of the HVAC Design Workshops can earn continuing education credits. Contact the relevant governing body for more information.



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 (HBDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit
www.ashrae.org/certification