

ASHRAE BLUEPRINT

December 2010

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Mark Grebner

President Elect
Greg Hintgen

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Membership
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Student Activities
Aaron Kompelien

CTTC
Ryan O'Connor

Historian
Kurt Bassett

Honors & Awards
Bob O'Connor

Research Promotion
Stuart Oster

Newsletter
Ryan Van Der Bill

Publicity
Ken Wickre

Special Events
Isaac Anderson

Reception
Ryan Jervik

PAOE Watch Dog
Brent Tjeerdsma

PRESIDENT'S MESSAGE

Mark Grebner

Chapter Meeting: December 8, 2010
Lunch 11:30 AM, Program 12-1:00 PM @ Westward Ho

The air is crisp, a blanket of whiteness covers the prairie, the sounds and sights of the holiday season are all around us and it is time for the December ASHRAE Meeting. Knowing how busy December can be we have opted for a lunch meeting this year.....I hope this fits into your schedule.

South Dakota Energy Code Update

The Task Force working on the State Energy Code has developed a draft document and the word today is they are not going to take it to the legislature at next year's session. We hope they will, but it may wait until 2012. There is some good information in the report itself especially what cities in SD have adopted the IBC. Let me know if you would like a copy of the draft.

Please RSVP at the email or phone number listed below, and if you RSVP please attend. When you RSVP we pay for your meal. If you do not attend it costs the Chapter.

RSVP by Friday, Dec. 3rd to lenn.george@westplainsengineering.com or by calling 605-362-3753.

Meal Cost: \$15 Noon
 \$17 Evening

Research Promotion

Stuart Oster

Last year, the South Dakota ASHRAE Chapter again exceeded its goal for raising money to fund ASHRAE Research. I would like to cordially invite each of last year's donors to the December meeting where I will be handing out coins and certificates, to personally thank you for your generosity. It is ASHRAE research that truly drives the backbone of our industry, and this would not be possible without the donations you have given. I look forward to seeing each of you at the meeting. For those that cannot attend the meeting and who donated last year, I will deliver the coins and certificates to each shortly after the meeting.

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Randall S. Bohlman; CEM, CDSM, CMVP

Randy has over thirty years of experience at UND as Technology Advancement Coordinator. His work at the University regarding utilities, energies, energy engineering, energy simulations, and measurement/verification of energy savings, has earned Randy many awards both locally and nationally through his career. He has been directly involved in energy audits and energy projects involving in excess of 6 million dollars of energy audits and energy projects saving the University thousands of dollars annually. With broad experiences in construction, operation and management of various facilities including educational, industrial, process, corporate headquarters, and research and development facilities, Randy has developed skills that allow him to focus on energy, controls, building operations, and building commissioning.

The 2010-2011 South Dakota Chapter ASHRAE Line-up:

Sept 1	Noon	Gary Lochner – Innovent <i>Heat Recovery</i>
Oct 6	Noon	Hank Jackson ETech Solutions, Distinguished Lecturer. "Green Buildings: Help or Hype?"
Nov 3	Evening	Hugh Crowther – ASHRAE 189.1
Dec 8	Noon	Randall S. Bohlman - Controls on College Campuses
Jan 5	Evening	Not Scheduled
Feb 11 or 18		Valentine
Mar 2	Noon	Not Scheduled
April 6	Evening	Not Scheduled
May		Fishing
June 3		Golf

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Las Vegas, NV

2 WAYS TO REGISTER

Internet: www.ashrae.org/lasvegascourses

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)



ASHRAE
LEARNING INSTITUTE

Full Day Professional Development Seminar

\$485/\$395 ASHRAE Member -- Earn 6 PDH/.6 CEU or 6 AIA LU credits

The Commissioning Process in New & Existing Buildings

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Healthcare Facilities: Best Practice Design and Application

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Complying with ASHRAE/IES Standard 90.1-2010

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.



Implementing Energy Management in New and Existing Buildings: A Sustainable Activity

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Integrated Building Design

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications: HVAC/Thermal

Tuesday, Feb 1 – 9:00 a.m. - Noon, 2:00 p.m. - 5:00 p.m.

Half Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDH/.3 CEU or 3 AIA LU credits

Fundamental Requirements of ASHRAE Standard 62.1-2010

Saturday, Jan 29 – 8:00 a.m. to 11:00 a.m.



Application of Standard 62.1-2010: Multiple Spaces Equations & Spreadsheet Calculation

Saturday, Jan 29 – Noon to 3:00 p.m.



Understanding Air-to-Air Energy Recovery Technologies and Applications

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

Chilled Beam Technology for Excellent Indoor Climate in an Energy Efficient Manner

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

Using Standard 90.1 to Meet LEED Requirements

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

The Commissioning Process & Guideline 0

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

Determining Energy Savings from Performance Contracting and LEED Projects: M&V

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

Understanding Standard 189.1-2009 for High-Performance Green Buildings

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

Understanding & Designing Dedicated Outdoor Air Systems (DOAS)

Tuesday, Feb 1 – 9:00 a.m. to Noon

Low Temperature Radiant Heating & High Temperature Radiant Cooling Systems

Tuesday, Feb 1 – 9:00 a.m. to Noon

Successful Solar Applications for Commercial & Industrial Facilities

Tuesday, Feb 1 – 9:00 a.m. to Noon

Avoiding IAQ Problems: Using ASHRAE's New IAQ Guide

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.

District Cooling & Heating Systems: Central Plants

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.

Designing Toward Net Zero Energy Commercial Buildings

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.



Get web-based training you can trust, anytime, anywhere, and earn PDHs/CEUs in the process.

- Energy Efficiency
- High-Performance Green Buildings
- Data Centers
- HVAC&R

Train around your schedule.

Save time and travel expenses.

Visit www.ashrae-elearning.com

ASHRAE Certification Programs

Take advantage of ASHRAE's special pencil & paper administration of our certification examinations on Wednesday Feb. 2, 2011, in conjunction with the 2011 ASHRAE Winter Conference.

- 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/lasvegascertification

New Publications from ASHRAE

- Standard 189.1-2009: Standard for the Design of High-Performance Green Buildings (A Jurisdictional Compliance Option of the IGCC)*
- Standard 189.1-2009 User's Manual (A Jurisdictional Compliance Option of the IGCC)*
- ASHRAE GreenGuide 3rd Edition – The Design Construction, and Operations of Sustainable Buildings*
- ASHRAE Standard 90.1-2010: Energy Standard for Buildings Except Low-Rise Residential Buildings*
- ANSI/ASHRAE 55-2010 – Thermal Environmental Conditions for Human Occupancy*
- ANSI/ASHRAE 62.2-2010 – Ventilation for Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
- ANSI/ASHRAE 62.1-2010 – Ventilation for Acceptable Indoor Air Quality*

Package:

- ANSI/ASHRAE 15-2010 – Safety Standard for Refrigeration Systems*
- ANSI/ASHRAE 34-2010 – Designation and Classification of Refrigerants*

Visit www.ashrae.org/bookstore to order