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Program:

Steam Trapping and Condensate Recovery

Thursday, September 18, 2014 Meeting

SDSM&T Classroom Building

Hisega Room

Rapid City,

12:00 PM - 1:00 PM

Presented By:

Mark Jutila

Account Executive

Spirax Sarco, Inc.

Mark Jutila is an Account Executive for Spirax Sarco, Inc., manufacturer of Steam Specialties and Thermal Transfer equipment. Mark has an extensive background in boiler systems, steam, condensate, heat transfer, cooling systems, water treatment, metering and energy savings projects. In the 90's, Mark embarked on his career after receiving his BSME from South Dakota School of Mines and Technology in Rapid City, SD. Mark has 18 years of experience directly related to steam systems. Mark resides in Jefferson, SD with his wife and 5 children and is the SSI Territory Manager and F&B Specialist for MN, ND & SD.

President's Message

I hope this message finds you all well and in good health. With the summer now shifting into fall, it is time to start a new ASHRAE year. About a month ago, a number of us were able to attend the 2014 CRC which was held in Wichita Kansas. This was a very fun, impressive, and educational CRC which was held in a recently renovated 1920's hotel. At the CRC, we received the Honor Roll and Special Citation award as a result of the PAOE points submitted last year. We also received the Certificate, Scholarship Patch, and Full Circle Chevron Award for our efforts in Research Promotion. Along with that we got third place in both the Man-Mile Award and Useless Trivia Quiz with special thanks going to Cole and Tyler who attended the CRC as SDSM&T ASHRAE Student Branch Members. With that, I am looking forward to the upcoming year and I hope we can have a fun, exciting, and educational year especially since we will be hosting the 2015 CRC.

David Dowling, President, Black Hills Area Chapter of ASHRAE

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



Chapter Programs Schedule

Below is a listing of this year's programs. Please call or e-mail suggestions for programs as indicated below:

September 18, 2014	Steam Trapping and Condensate Recovery	Mark Jutila
October 16, 2014	TBD	TBD
November 20, 2014	TBD	TBD
December 18, 2014	TBD	TBD
January 15, 2014	TBD	TBD
February 19, 2015	TBD	TBD
March 19, 2015	TBD	TBD
April 16, 2015	TBD	TBD
May 21, 2015	TBD	TBD

* Completed Program

Send program suggestions to: Mike Austin
(P) 605-348-2033
(F) 605-348-1543
programs@blackhillsashrae.org

Membership

If anyone knows of someone who might be interested in becoming a member of ASHRAE, contact Jeremy Clocksin at 342-2407 or email him at membershippromotion@blackhillsashrae.org or submit an application.

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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

ASHRAE Building Energy Quotient (bEQ) Training



Building Energy Quotient (bEQ) is a building energy rating program that provides information on a building's energy use.

If you see this mark, you are working with a **bEQ Professional.**

This mark can only be used by individuals certified by ASHRAE as Building Energy Modeling Professionals or Building Energy Assessment Professionals. These individuals have earned the highest recognition of their ability to deliver one or both components of **bEQ**.

www.buildingenergyquotient.org



How to become a **bEQ Professional?**

ASHRAE Utah is hosting two **bEQ** training sessions in Salt Lake City that will help you prepare for the **bEQ** exam and certification. Each session is 2 days and offered on Monday/Tuesday and Wednesday/Thursday. Testing will be offered on Friday for those interested in bEQ Certification at an extra cost.

"How to Make Existing Commercial Buildings More Efficient, Health & Comfortable" is a two day seminar that incorporates the technical retro-commissioning procedure in defining, analyzing and developing recommendations for a building owner to consider for not only quick fixes and no-cost/low-cost measures but also capital-intensive modifications that address the findings from the walk-thru, ASHRAE Level 1 energy audit activities.

1st Day of Seminar – Review of the following ASHRAE Publications, Standards and Programs: Procedures for Commercial Building Energy Audits, 2nd Edition, Energy Efficiency Guide for Existing Commercial Buildings: Business Case and Technical Implementation Publications, ASHRAE Standards 55, 62.1, 90.1 & 100, the ASHRAE Building Energy Quotient (bEQ) Program, and associated bEQ Worksheets.

2nd Day of Seminar – A site visit and walk-thru will be conducted in the morning by teams of seminar participants who will compile their discoveries and complete the bEQ Worksheets in preparation for a presentation to be made to the facility owner's representative during the afternoon session.

Date/Location: **Session 1** Monday-Tuesday, September 15-16, 2014
(16 PDH Hrs) LDS Hospital, 8th Ave & C Street, SLC, UT
Parking: Free (Parking Garage West Side of Hospital)

Session 2 Wednesday-Thursday, September 17-18, 2014
(16 PDH Hrs) VBFA Office, 330 South 300 East, SLC, UT
Parking: \$5 per Day (Between 2nd and 3rd East, 300 South)

Testing Friday, September 19, 2014
HR Block, 888 South 200 East, Salt Lake City, UT

Time: Both sessions 8am – 4pm

Cost: Sessions \$100 – includes light breakfast and lunch
Testing ASHRAE Members \$295*
Non-ASHRAE Members \$415*
* Separate registration required (see last line of e-mail)

Presenter: Terry E. Townsend, P.E., Distinguished Lecturer



Terry E. Townsend, P.E., Fellow ASHRAE, is president, Townsend Engineering Inc., Chattanooga, Tennessee, and Panama City, Florida. In 2006-07, he served as president of ASHRAE, where he focused the Society's efforts on The ASHRAE Promise: A Sustainable Future, highlighting ASHRAE's work in sustainability in the building environment. His achievements as president include launching ASHRAE's first ever certification program, accelerating and expanding the Advanced Energy Design Guide series, setting more stringent savings for ASHRAE's energy standard, and proving resources on how ASHRAE can minimize the impact of its meetings on the environment.

PLEASE DO NOT REPLY DIRECTLY TO THIS E-MAIL

Limited Seating Available – RSVP for Seminar Today at: bbirkes@vbfa.com

NOTE: RSVP will not be complete until payment received. Registration will be opened up to members of ASHRAE Region IX (11 State Area) on 8/21/2014.

Pay on the ASHRAE Utah Chapter Website <http://utahashrae.org/onlinestore/>

Register for Testing (\$295 ASHRAE Members / \$415 Non-Members) at: <https://xp20.ashrae.org/secure/certifications/computer/index.php?type=BEAP>

ASHRAE Learning Institute

2014 Fall Online Course Series

2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

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 Time.

High-Performance Building Design: Applications and Future Trends

Mon, September 8, 2014 – 1:00 pm to 4:00 pm EDT

Air-to-Air Energy Recovery Applications: Best Practices

Wed, September 10, 2014 – 1:00 pm to 4:00 pm EDT

Evaluation Methods for High-Performance Green Buildings

Mon, September 22, 2014 – 1:00 pm to 4:00 pm EDT

Fundamental Requirements of Standard 62.1-2013

Wed, September 24, 2014 – 1:00 pm to 4:00 pm EDT

NEW! Building Demand Response & the Coming Smart Grid

Mon, September 29, 2014 – 1:00 pm to 4:00 pm EDT

District Cooling & Heating Systems: Central Plants

Mon, October 6, 2014 – 1:00 pm to 4:00 pm EDT

Maximizing Customer Benefits Using Key Electric Utility Products

Mon, October 13, 2014 – 1:00 pm to 4:00 pm EDT

Combined Heat & Power: Creating Efficiency through Design & Operations

Mon, October 20, 2014 – 1:00 pm to 4:00 pm EDT

Design of Commercial Ground Source Heat Pumps

Wed, October 22, 2014 – 1:00 pm to 4:00 pm EDT

Energy Efficiency in Data Centers

Mon, November 3, 2014 – 1:00 pm to 4:00 pm EST

Commissioning for High-Performance Buildings

Wed, November 5, 2014 – 1:00 pm to 4:00 pm EST

Exceeding Standard 90.1-2013 to Meet LEED® Requirements

Wed, November 12, 2014 – 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/PDH credits.

Complying with Standard 90.1-2013

Part 1 - Mon, September 15, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, September 17, 2014 – 1:00 pm to 4:00 pm EDT

Healthcare Facilities: Best Practices for Design & Applications

Part 1 - Wed, October 8, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, October 15, 2014 – 1:00 pm to 4:00 pm EDT

HVAC Design Training

2 Courses, 5 Days of Intense Instruction

November 2014 – Atlanta, GA

HVAC Design: Level I - Essentials

ASHRAE's *HVAC Design: Level I - Essentials* provides intensive, practical training for HVAC designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

ASHRAE's *HVAC Design: Level II – Applications* provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the *HVAC Design: Level I – Essentials* training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, and 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register

ASHRAE Certification Programs

BEMP Practice Exam Now Available

ASHRAE has launched a practice exam for the Building Energy Modeling Professional (BEMP) certification. The practice exam is designed to be similar in content and difficulty to the actual certification exam. It is a low-cost, online tool for limited self-assessment with a score report overview of performance at the end of the exam. Practice exams are already in place for the BEAP, CPMP and HFDP certifications. Practice exams for the HBDP and OPMP certifications are under development and should be launched later this year.

Visit www.ashrae.org/BEMP to learn more about the BEMP practice exam.

Visit www.ashrae.org/certification to learn more about ASHRAE certifications.

New Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

Data Center Design and Operation – ASHRAE Datacom Series CD 4th Ed.



This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

\$289 (\$246 ASHRAE Member) / CD / 2014

ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems



The second edition of *HVAC Design Manual for Hospitals and Clinics* provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what's different about healthcare HVAC systems.

\$129 (\$109 ASHRAE Member) / 312 pages / 2013

Visit www.ashrae.org/bookstore to learn more about these and other outstanding ASHRAE publications!