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- Vice President and Secretary*
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- Treasurer*
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- Membership*
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- Research Promotion*
Ethan Grover
- Technology Transfer*
Lance Rikala
- Student Activities*
Mike Malone
- Historian/Webmaster*
Michael Heinrich
- Newsletter Editor*
Matt Koupal

Program:

**BHP/WREA Electro Technology Expo
Commercial Geothermal Systems**

Thursday, January 16, 2014 Meeting

Best Western Ramkota
Sylvan 1 Room
Rapid City, SD
10:45 AM - 11:45 AM

Brandon Darnell
Energy Dynamics

Energy Dynamics, Inc. specializes in geothermal systems for heating and cooling homes and businesses. They work directly with contractors from the beginning design phases right through to completion. Their mission is to provide you with the best products and service in the alternative energy industry, to work as hard as you do every day, and, in the end, to provide you with a pleasant and profitable experience unlike anywhere else.

Brandon Darnell is the President/CEO of Energy Dynamics. He literally grew up in the mechanical contracting business. He obtained an Associate Degree in HVAC, graduating at the very top of his class in 1997. Prior to and since graduation, he has been with Energy Dynamics. He is recognized in the industry as one of the best “troubleshooters” and “hands on” technicians. Brandon is always available for that purpose.

Brandon will discuss the growth of the commercial market driven by agriculture, such as farm shops and implement dealerships. Special considerations that need to be taken into account and the wonderful benefits of having a year round conditioned work space for yourself and employees will also be covered.

President's Message

HAPPY NEW YEAR to all of our members! I hope that this message finds you all in good health and great spirits as we make our way through the holidays. A new year is upon us and allows us to set new goals for a prosperous year to come. I am asking for some help from our members to assist us in continuing to sponsor students for our chapter at SDSM&T. If you could send Judy Oakley \$20/student that you would like to sponsor, that would be most appreciated. We are still down approximately \$70 from our contributions last year, so if you can help us continue our precedence of sponsoring students to keep the young people involved, your small investment will pay great dividends over time. Also, we need to get going on the planning stages for the 2015 CRC that the Black Hills Chapter is going to host; we have a LONG way to go and a SHORT time to get there. At our chapter meeting this month I am going to hand out a rough outline of committees and tasks that must be worked on as to not make it a crunch at the last minute. Again, many hands make for light work. I am excited for the New Year and all the activities that we have planned for our members. Hope to see you at our regularly scheduled meeting. Talk to you soon.

S. Allen Freeland, President, Black Hills Chapter of ASHRAE



2014 **ELECTRO-TECHNOLOGY** expo

Thursday, Jan. 16 • Ramkota Inn & Convention Center, Rapid City, S.D.

Looking for a way to stay plugged in with the changing energy landscape?

Then come to the 14th annual Electro Technology Expo on Thursday, Jan. 16. The 2014 Expo will have exhibits featuring cutting-edge technology. Plus, leading energy industry and technology experts give presentations throughout the day in four sessions running concurrently. Presentation topics include:

- LED Street and Area Lighting
- Residential Geothermal Systems
- Home Weatherization
- Peak Demand Management
- Commercial Geothermal Systems
- Renewable Energy Systems
- Residential and Commercial LED Lighting Technology
- Insulation Systems
- Sustainability Practices
- Hydronic Heating Systems
- Home Automation
- Motors and Drives

Only \$30 to attend! Preregister at www.blackhillspower.com/Electro-Tech starting Oct. 1. Registration includes lunch.

► **CONTINUING EDUCATION HOURS AVAILABLE!**

Code hour and CEU credits are available for electricians, HVAC specialists, engineers and realtors.

► **EXPO SCHEDULE**

7:30 a.m.	Doors open for registration and check-in
8:00 a.m.	Vendor exhibits open
8:15–11:45 a.m.	Tract Sessions In progress
11:45–1:15 p.m.	Lunch and keynote speaker
1:15–5:00 p.m.	Tract Sessions In progress
7:00–9:00 p.m.	Evening Session of Electrical Code Classes through the South Dakota Electrical Council

- For more information about the 2012 Electro-Technology Expo, contact Coral Messina at coral.messana@blackhillscorp.com or 605-721-2687.



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ASHRAE Conferences 2013-2014

Attend to See What's New, Learn New Skills, Earn PDHs, Network with Peers

ASHRAE IAQ 2013: Environmental Health in Low Energy Buildings

Oct. 15-18, 2013 | Vancouver, BC, Canada

www.ashrae.org/IAQ2013

Comprehensive overview presented via papers.

Co-organizer: 

ASHRAE 2014 Winter Conference

Jan. 18-22, 2014 | New York, NY

Jan. 21-23, 2014 | AHR Expo

www.ashrae.org/newyork

Bookstore Sponsor: 

First International Conference on Energy and Indoor Environment for Hot Climates

Feb. 24-26, 2014 | Doha, Qatar


www.ashrae.org/hotclimates

Papers focused on arid and humid hot climates.

Organized by:   Qatar Environment & Energy Research Institute

Member of Qatar Foundation

 Qatar Oryx Chapter

Co-sponsor: 

Gold sponsor: 

Endorsed by:    

High Performance Buildings Conference

April 7-8, 2014 | San Francisco, Calif.

www.hpbmagazine.org/hpb2014

State-of-the-industry presentations



Efficient, High Performance Buildings for Developing Economies

April 24-25, 2014 | Manila, Philippines

www.ashrae.org/Developing2014

First ASHRAE conference on this topic.

Organized by:  

Co-sponsor: 

Endorsed by: 

ASHRAE 2014 Annual Conference

June 28-July 2, 2014 | Seattle, Wash.

www.ashrae.org/seattle

2nd Annual Research Summit presented.

2014 ASHRAE/IBPSA-USA Building Simulation Conference

Sept. 10-12, 2014 | Atlanta, Ga.

www.ashrae.org/Simulation2014

Single collaboration of Energy Modeling and SimBuild Conferences.

Organized by:  

Get Updated on Current Trends and Make Industry Connections at an ASHRAE Conference!

www.ashrae.org/conferences



Upcoming Events

Make plans now to attend the 2014 Winter Conference and AHR Expo in New York, January 18 - 22, 2014.

Obtain more information about the conference by visiting: <http://www.ashrae.org/newyork>

Make plans now to attend the High Performance Buildings Conference in San Francisco, California, April 7 - 8, 2014.

Obtain more information about the conference by visiting: <http://www.hpbmagazine.org/hpb2014>

Make plans now to attend the 2014 ASHRAE/IBPSA-USA Building Simulation Conf. in Atlanta, GA, Sept. 10 - 12, 2014.

Obtain more information about the conference by visiting: <http://ashraem.confex.com/ashraem/emc14/cfp.cgi>

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Don't Forget...

Volunteers are still needed for the 2015 CRC Planning Committee. Please contact Allen Freeland, Judy Oakley, or Mike Mueller if you are willing to help out.

Chapter Programs Schedule

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

September 25, 2013	Principles of Evacuation*	Cam Marklowitz
October 17, 2013	Geothermal Technology*	Ken Carpenter
November 21, 2013	Action Mechanical Sheet Metal Shop Tour*	
December 19, 2013	Building Codes*	Jeff Larus
January 16, 2014	14th Annual Electro – Technology Expo	Multiple
February 20, 2014	Refrigeration	Al Cornella
March 20, 2014	Black Hills Power Combustion Turbine Tour	
April 17, 2014	TBD	TBD
May 14, 2014	TBD	TBD

* Completed Program

Send program suggestions to: Lance Rikala
(P) 605-334-2164
(F) 605-334-9642
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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