

Pile of Bones

Published by the Regina Chapter of ASHRAE

President's Message

By Carla Spriggs

Thank you to Alan Niles for his presentation on the Design and Economics of Commercial Ground Loop Heat Pump Systems. He had some very good information to pass along to us. Also thank you again to our donors for ASHRAE Research. We rank very high in our region for dollars per member raised. This money helps us all to become a better industry.

This month is the 50th anniversary party being held at the Royal Regina Golf Club on Wednesday March the 27th. Cocktails will start at 5 followed by dinner and a short presentation. I hope everyone and their spouses will be joining us to celebrate this achievement. Tom Watson the Society President and Kevin Marple the DRC for the region will be joining us for this dinner.

April has a lot of events planned. On April the 10th we will be having ASHRAE student presentation night at the University of Regina. Jared has worked very hard to try and support students in ASHRAE so please come out and show your support. We will also be hosting an afternoon seminar on Wednesday April the 17th with Distinguished Lecturer Kishor Khankari. He will be teaching us about natural ventilation systems and stratified air ventilation systems. Please watch for the flyer for registration information. Then on Thursday April the 18th at 11:00 a.m. we will be hosting a webcast at the Sasktel board room on Assessing Building Energy Performance. Sasktel has graciously agreed to sponsor lunch for the attendees. We will also be sending out a poster for registration for that so we can know how many are coming for lunch.

I look forward to seeing everyone next Wednesday night for the 50th anniversary. Enjoy the snow everyone.



Meeting Notice

Wednesday, March 27th, 2013

50th *Anniversary Celebration*

Regina Royal Golf Club
5401 11TH Ave. W., Regina Sk.

5:00 - Cocktails
Dinner to follow

Upcoming Events

April 10, 2013
Student Night

In this Issue.....

President's Message.....	1
Meetings & Events.....	2
Committee Chair Reports.....	3
New in ASHRAE.....	5
Board of Governors.....	6
Regional & Society.....	7

2013 Meetings and Events

March 27, 2013

ASHRAE Regina 50th Anniversary Celebration

@ Regina Royal Golf Course

April 10, 2013

Student Night

April 17, 2013

Distinguished Lecturer: Kishor Khankari

Seminar: Design and Analysis of Natural Ventilation Systems and Stratified Air Ventilation Systems

April 18, 2013

ASHRAE Webcast: Assessing Building Energy Performance

@ Sasktel's Head Office

May 2-4, 2013

Region XI CRC in Vancouver, B.C.

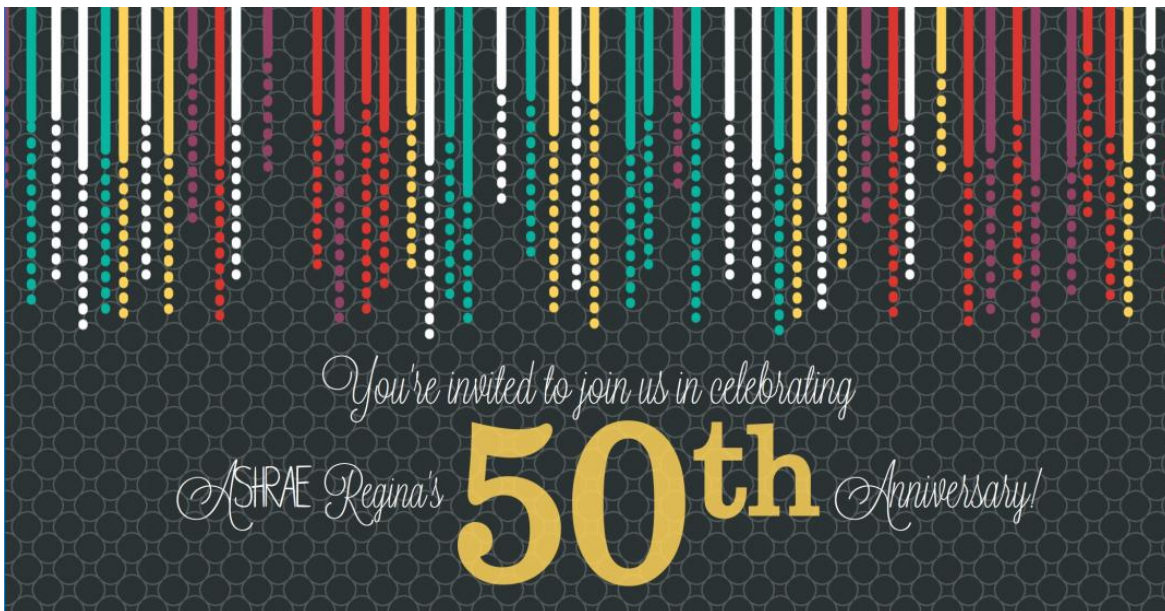
May 15, 2013

Speaker: TBD

Airflow Management Best Practices for Data Centres

June 2013

ASHRAE Research Golf Tournament



Committee Chair Reports

Programs

by Alana Yip

I'd like to thank Alan Niles for coming out last month to present to us on ground loop heat pump systems. I know the presentation prompted a lot of discussion and that was great to see.

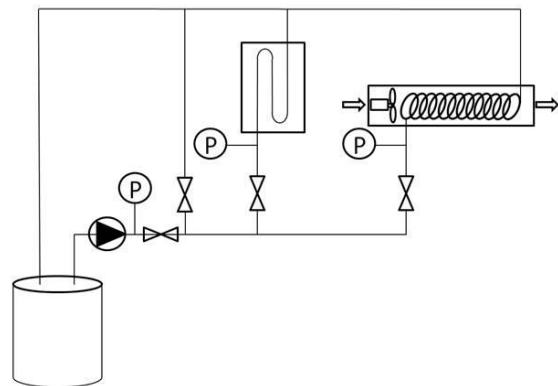
ASHRAE Regina was chartered on March 22, 1963 – making this month our 50th Anniversary of being a chapter. We are recognizing this event by having our 50th Anniversary Celebration on Wednesday, March 27th at the Royal Regina Golf Course. The RSVP deadline has passed already, however Rob can accommodate a few extra. If you haven't responded yet and want to come, let [Rob Craddock](#) know immediately! We are sitting at 96 people to date! The organizing committee; Rob Craddock, Bob England, Jerry Boulanger, Ted Cooke, and Ray Sieber, have worked hard on making this a memorable and fun event for all and I'd like to take this opportunity to thank them in advance for all their hard work. We also have the privilege of having ASHRAE Society President, Tom Watson, ASHRAE Region XI Director & Regional Chair, Kevin Marple, and Incoming ASHRAE Society Director at Large, Bill Dean, joining us for this celebration. This marks quite a milestone for our chapter! Looking forward to the next 50 years!

Student Activities

by Jared Larson

During the past month I was invited by fourth year U of R industrial class to give a presentation on ASHRAE, where HVAC has

come from, and where we are seeing current trends. I was given a 3 hour slot, and for those who know me, this is about 2 hours and 45 minutes longer than I like to speak. With donations of parts from Cypress sales and Christie Mechanical I put together a little "Jerry Boulanger-like" circuit to try and demonstrate the dynamics of a system. (see schematic). This was set up to mimic a chilled water circuit with a radiant cooled slab (tile with tubing embedded into mortar) and a fan coil (hair dryer and copper coil). The network was an open water system. The students would take the place of a building management system. Each student had to control one device. The chiller was an open bucket of water, and this student maintained the water bath at a constant chilled temperature by adding ice cubes. The students on the radiant floor and fan coil throttled their valves to maintain temperature setpoints, and another student was in charge of measuring floor temperatures and fan coil air temperature. This helped to demonstrate the dynamics of a system, and what happens when it is not at design conditions or steady state. It went well, and more importantly no one knocked over my bucket of water.



Committee Chair Reports Continued

My vision for the next year is to work with select staff at the university to make a more permanent set up for teaching. It is a big step, but should not be difficult knowing partners in our industry. I have already had a few initial discussions.

I was also invited to talk to a grade 3 class at Jack Mackenzie School regarding measurement as it related to the engineering and construction industry. I put together a small session on measurement and put the kids to work. The following is a class picture. I am the larger bald kid in the back row.



Upcoming events:

WESST EM – ASHRAE was invited to do an informal session with students as a kick off. It will highlight sustainability on the campus as well as provide a lay of the land tour for visitors. I will need volunteers to help out. It is on May 2nd in the afternoon. If anyone is interested in directly making financial contributions you can contact:

Brad Lulik

EM Chair

emchair@wesst.ca

[306.520.8584](tel:306.520.8584)

Nicole Barber

EM Co-Chair - Sponsorship

industry@uofrengineering.com

[306.209.7443](tel:306.209.7443)

One of the instructors at SIAST in Moose Jaw has also asked me to come in and talk to his class. They are working on an HVAC project in their class and I am in the process of setting up a local building tour and short presentation. They will also have the chance to ask questions about their projects, and get a feel for industry trends. This will occur on March 19th.

I was also invited to do another session with engineers building engineers at the same school again near the end of May. If anyone is interested in coming out for 2 hours please let me know. It is challenging, but often rewarding.

Past President & Research Promotion

by Jason Danyliw

Thank you again to all of those individuals and companies who have already made gracious donations to support the 2012/13 ASHRAE Regina Research Promotion campaign, as we are currently at 65% of our goal for this year.

I will be continuing to follow up with Chapter members over the next short while to collect valuable donations, and allow us to reach and exceed our overall RP fundraising goal of \$12,500.00 for this year.

See you all at the upcoming March 50th Anniversary celebration.

What's New in ASHRAE

Brought to you by the ASHRAE Chapter Technology Transfer Committee

www.ashrae.org/abepwebcast

FREE ASHRAE Webcast

Assessing Building Energy Performance: From Principles to Practice
 April 18, 2013 | 1:00 PM-4:00 PM EDT

Presenters

Thomas F. Wilson, ASHRAE Fellow

Greg Gandy, ASHRAE Fellow

This webcast will feature industry experts who will explain the importance of building energy performance and its far-reaching implications to both new and existing buildings. Viewers will also learn about the various tools and approaches that are available, as well as the many opportunities that assessing building energy performance presents.

How to Participate

- You must register to view the webcast on your PC
- You may host a webcast viewing site for your colleagues
- View the webcast at a site

PDH Credits

Three (3) Professional Development Hours (PDHs) or three (3) AIA Learning Units (LUs) may be awarded to viewers who complete the "Participant Reaction Form" by May 2, 2013.

For more information about the program, presenters, continuing education credits, sponsorships, and ABEP resources, please visit us at www.ashrae.org/ABEPwebcast OR scan this tag with your smart phone.

ASHRAE

Join us April 18th, 2013 for the ASHRAE Webcast!
 Hosted by Sasktel
 Located at 2121 Saskatchewan Drive
 11:00 am- 2:00 pm local time
(Lunch will be provided by Sasktel)



2013 Annual Conference
 June 22-26, 2013
 Denver, Colorado

ASHRAE Learning Institute 2013 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.

<p>Basics of High-Performance Building Design Mon, March 18, 2013 – 1:00 pm to 4:00 pm ET</p> <p>Air-to-Air Energy Recovery Fundamentals Wed, March 20, 2013 – 1:00 pm to 4:00 pm ET</p> <p>Advanced High-Performance Buildings Design Mon, March 25, 2013 – 1:00 pm to 4:00 pm ET</p> <p>Air-to-Air Energy Recovery Applications: Best Practices Wed, March 27, 2013 – 1:00 pm to 4:00 pm ET</p> <p>Complying with Standard 90.1-2010: Envelope/Lighting Wed, April 17, 2013 – 1:00 pm to 4:00 pm ET</p>	<p>Humidity Control Troubleshooting NEW Mon, April 22, 2013 – 1:00 pm to 4:00 pm ET</p> <p>Combined Heat & Power: Creating Efficiency Through Design & Operations Wed, April 24, 2013 – 1:00 pm to 4:00 pm ET</p> <p>Complying with Standard 90.1-2010: HVAC/Mechanical Mon, April 29, 2013 – 1:00 pm to 4:00 pm ET</p> <p>The Commissioning Process & Guideline 0 Wed, May 1, 2013 – 1:00 pm to 4:00 pm ET</p> <p>Fundamental Requirements of Standard 62.1-2010 Wed, April 17, 2013 – 1:00 pm to 4:00 pm ET</p> <p><small>* Take 3 or more courses and save 20% off registration!</small></p>
--	--

HVAC Design Training

2 Courses, 5 Days of Intense Instruction

March 18-22, 2013 • June 3-7, 2013 • August 12-16, 2013

HVAC Design: Level I - Essentials

This training provides intensive, practical education for 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

Developed by industry-leading professionals, the training course provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

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

Visit www.ashrae.org/hvacdesign to register

12-2013 ASHRAE Regina Board of Governors

President

Carla Spriggs
HDA Engineering Ltd.
cspriggs@hdaeng.com

Past President & Research Promotion

Jason Danyliw
H.V.A.C. Sales Ltd.
jason@skhvac.com

President Elect & Programs Chair

Alana Yip
Sasktel
alana.yip@sasktel.net

Vice President & Newsletter

Janel Walter
HDA Engineering Ltd.
jwalter@hdaeng.com

Membership Promotion

Greg Fluter
MacPherson Engineering
g.fluter@mac-eng.ca

Secretary

Brad Huber
Cypress Sales
b.huber@cypressales.com

Student Activities & YEA Chair

Jared Larson
MacPherson Engineering
j.larson@mac-eng.ca

Treasurer

Kris Pockett
Kris Pockett Construction
pockett@accesscomm.ca

Way & Means

Wayne Tkach
MacPherson Engineering
w.tkach@mac-eng.ca

Historian

Bob England
R J England Consulting Ltd.
bob@rjengland.com

Contact us at:

ashraeregina@gmail.com

Visit us at:

<http://regina.ashraechapters.org/>

Regional & Society Executive

Regional XI Executive

Director & Regional Chair
Kevin Marple,
Benz Air Engineering Co. Inc.

Assistant Regional Chair
Erich Binder,
Erich Binder Consulting Ltd.

Membership RVC
Murdoch MacPherson,
MacPherson Engineering Inc.

Research Promotion RVC
Ryan MacGillivray,
Daniels Wingerak Engineering Ltd.

CTTC RVC
Leslie Johsson,
CDI Engineers

Student Activities
Stefan Lidington,
Oregon Air Reps

Regional Treasurer
Rob Craddock,
Inland Metal Manufacturing

Nominating Delegate
Norm Grusnick,
Ecco Manufacturing

Nominating Alternate
Eileen Jensen,
Bonneville Power Administration

Society Executive

President
Tom Watson,
Daikin McQuay

President-Elect
William Bahnfleth,
Pennsylvania State University

Treasurer
Tom Phoenix,
Moser Mayer Phoenix Associates

Vice President
Constantinos Balaras,
National Observatory of Athens

Vice President
Daniel Pettway,
Hobbs and Associates

Vice President
Thomas Werkema,
Arkema Inc.

Vice President
Timothy Wentz,
University of Nebraska

Secretary
Jeff Littleton,
Ashrae