



Pile of Bones

Published by the Regina Chapter of ASHRAE

President’s Message

By Carla Spriggs

Welcome to summertime. It has been a long hard winter for everyone so I hope everyone is getting some time to get outside and enjoy the sunshine. I want to thank the student presenters last month for taking time out of their busy schedules to present to us at the University of Regina. The presentations were fantastic. Thank you also to Jared for supporting our students so well and helping them as an advisor for their final educational projects.

Jared also organized a tour/scavenger hunt for the students attending the West EM conference last week at the University. Attendance was great, the students really seemed to be enjoying themselves and Jared was given the opportunity to tell the students a little bit about what ASHRAE does. The board also appreciates the chapter members who took their time to attend the seminar with Kishor Khankari and the webinar at Sasktel. I want to thank SaskTel for sponsoring the lunch at the webinar. We try to put on a seminar every spring to further the education of our industry so if you have a fundamentals topic you would like to see as a seminar topic please contact Janel Walter as she is the incoming program chair for next year.

Please join us at Deer Valley on June 13th where we will be having our first joint golf tournament with the Mechanical Contractors Association. I am excited that we will have the time to get out and enjoy some social time with our industry as a whole. Thank you to Wayne, Jason and Heric for their work with the MCA to get this organized. Please get your registrations in early as this will be a well attended event and there are only 144 spots available. If you have not received your registration sign up please contact Wayne or Jason and they will forward one to you.

I want to take this chance to thank the board members this year for their support and hard work. A lot of time is given to ASHRAE to help make our industry better and I truly appreciate all the time and effort they put forth. They are a great group of people.

I look forward to seeing everyone at the Hotel Saskatchewan next Wednesday night for a presentation on Data Centers.

Meeting Notice

Wednesday, May 15th, 2013
Airflow Management Best Practices
For Data Centres
Carlos Joaquim

Hotel Saskatchewan

2125 Victoria Avenue, Regina Sk.

- 5:00 - Cocktails
- 5:30- Tech Talk
- 5:45- Speaker
- 6:45- Supper
- 7:30 - ASHRAE Chapter Meeting

Upcoming Events

June 13th – Golf Tournament (joint with MCA) at Deer Valley

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2013 Meetings and Events

May 15, 2013

Speaker: Carlos Joaquim, P.Eng

Airflow Management Best Practices for Data Centres

June 13, 2013

ASHRAE Research Golf Tournament



Committee Chair Reports

Programs

by Alana Yip

The tech talk this month will be by Murdoch MacPherson, P.Eng, discussing the technology behind his patent of alternative heat source for radiant floors.

This month is our last technical meeting of the year. We have Carlos Joaquim P. Eng., a Product Specialist with Liebert Canada speaking to us on Airflow Management Best Practices for Data Centres. As part of the Sales team for the Toronto office, Carlos works with End Users, Consulting Engineers and the contracting community on Thermal Management projects. The technologies of traditional refrigerant DX, glycol, water and the latest pumped refrigerant systems are very familiar topics for Carlos. In the energy savings focus of today, his clear understanding of the “Free Cooling” aspects of each technology is an asset to each data centre project.

I recently attended the Chapter Regional Conference in Vancouver. Our chapter was represented at the regional level by Murdoch McPherson and Rob Craddock. At the chapter level we had Jared Larson attending for Student Activities, Jason Danyliw for Grassroots Government Activities, Janel Walter for CTTC and Alternate and myself as President Elect and Delegate. Vancouver hosted a great CRC and was very welcoming and it was very nice to see green grass and flowers!

At the CRC we attend an awards banquet. Our chapter received the following awards:

- Presidential Award of Excellence Special Citation– Jason Danyliw – For significant improvement in membership, attendance,

research promotion, education, chapter programs and technology during the period of July 1, 2011 – June 30, 2012.

- PAOE Honor Roll 2011-2012 for CRC and meeting attendance – Jason Danyliw.
- Research Promotion – Full Circle and Goal for 2011-2012 – Heric Holmes
- Student Activities Best Chapter Educational Activities – Jared Larson – For the efforts of the Chapter Chair in promoting Student Activities within the chapter in 2011-2012.
- Chapter Service Awards - Greg Fluter and Heric Holmes.

Congratulations to all the winners and a huge thank you to the chapter members for making all of this possible!

Next years is CRC is hosted by the Mid-Columbia chapter on May 8-10 in Richland, WA.

Have a great summer everyone and I will see you on the golf course.

Research Promotion

by Jason Danyliw

Thank you 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 84% of our goal for this year. The chart below notes donors thus far this year, and tracks our donation progress.

We are set to have a good final push over the next month to strongly finish off our research campaign. I still have some cheques to collect from many members, and I will be doing so in the next few weeks. With that, along with our upcoming ASHRAE golf tournament, we should





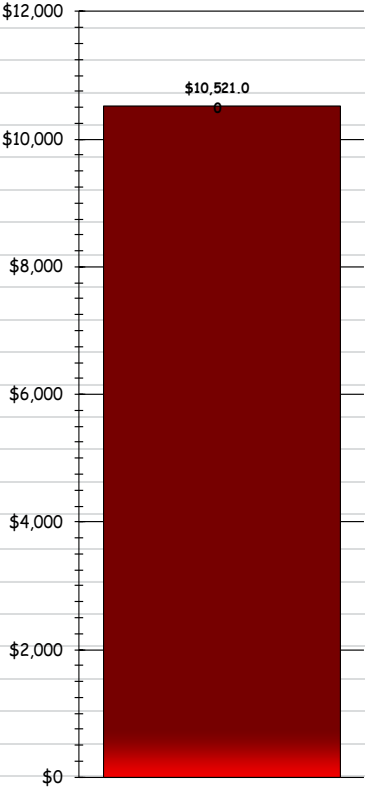
Committee Chair Reports Continued

be in good shape to allow us to reach and exceed our overall RP fundraising goal of \$12,500.00 for this year.

Be sure to attend the upcoming joint ASHRAE/MCA golf tournament on June 13th at Deer Valley Golf Course to not only have a

good time, but to also support our ASHRAE RP fundraising campaign through the entry fee and silent auction items planned. It will surely be a fun day and great event.

See you all at the upcoming May meeting.

ASHRAE Regina - Research Investors 2012-13		
Individual Investors	Donations to May 6, 2013	Company Investors
HR = Honor Roll participants \$100 min		HR = Honor Roll participants \$150 min
<p>Major Donors (Bronze) \$500-\$999:</p> <p>Honor Roll Donors \$100-\$249:</p> <p>Carla Spriggs Alana Yip Jason Danyliw Greg Fluter Janel Walter Jared Larson Wayne Tkach Brad Huber Bob England Kris Pockett Ray Sieber Rob Craddock Murdoch MacPherson Neil Paskewitz</p>    	<p>Major Donors (Silver) \$1000+:</p> <p>Sask. Insulation Contractors Assoc. Midgard Project Management Ltd. SaskEnergy MacPherson Engineering Inc.</p> 	<p>Major Donors (Bronze) \$500-\$999:</p> <p>H.V.A.C. Sales Ltd. Stantec Consulting Ltd. HDA Engineering Ltd. Cypress Sales & Partnership</p> <p>Major Donors (Antique) \$250-\$499:</p> <p>RJ England Consulting Ltd. ECCO Heating Products Ltd. Trane Saskatchewan - Regina Prairie Controls Ltd. All-Rite Plumbing & Heating Ltd. E.H. Price J-Clan Services Ltd. Christie Mechanical</p> <p>Honor Roll Donors \$150-\$249:</p> <p>Engineered Air Walter's Industrial Mechanical Ltd. Harvard Property Management</p>
Campaign Goal - \$12,500.00	Current Campaign Total - \$10,521.00	84.2% of Goal Money Required for Goal - \$1,979.00

Committee Chair Reports Continued

Student Activities

by Jared Larson

I would like to thank all who volunteered to help out at the WESST EM (Western Engineering Students Society – Executive meeting) scavenger hunt (Carla, Ted, Shawn, Cheney, Jerry, Rob, Neil, Emmet, Wayne, Brad, Carol, Darrel). The students seemed to enjoy the scavenger hunt style of building campus tour rather than the traditional group. We had approximately 50+ students sign up, and it was a great chance to promote ASHRAE, and the campus. I have attached a few photos.

I would also like to congratulate our newest student members: Seth Hunt and Petru Costa-Muresan. It was great to see Seth and a few other student ASHRAE members at the tour (Magda, Cassandra, Jakaden, and Brad).

On another note we have returned from CRC this year. Our chapter received the student activities award, the first time since 1988. This speaks greatly of our chapter's strength which I have personally seen throughout the year. I look forward to doing another year, and have a few irons in the fire after talking to other chapters at

CRC. This summer I am planning for next year. If anyone has interest in helping out for any events, or has ideas they want to incorporate I am all ears. Next month I am going to start some planning with several U of R engineering faculty. I would like to work with the faculty to develop a teaching facility. ASHRAE society has many grants available for research and educational purposes. I also plan to see through the scholarship program for graduating high school students.

My goals for next year are:

1. Continue programs started this past year & repeat a few functions
2. Set up an interactive HVAC learning tool for the U of R students
3. Continue to try and reach out to the building operators program from SIAST (if anyone has a contact let me know)
4. Possibly work with the Alberta chapters in a joint effort with the science centers to create temporary exhibits. There was interest at CRC, and we can divide the work.
5. Encourage other chapter members to talk to their children's classes. See me if you are interested.



Time For Some Fun

This year we are excited to be golfing a joint tournament with our local MCA. This is a limited spot event and will fill up fast! Get your registration and teams in as soon as possible and we will see you there!



March 26, 2013



MCAS / ASHRAE Southern Golf Tournament

Deer Valley Golf Course
Lumsden – June 13, 2013

Ron Young Memorial Golf Tournament

Moon Lake Golf & Country Club
Saskatoon – June 20, 2013

This year MCAS will be partnering with ASHRAE Regina for the south tournament. We look forward to welcoming ASHRAE members out to this event.

Contributions of prizes or cash towards prizes is always welcomed. Please phone the Golf Committee for your area or the Association office at 306-664-2154 or fax 306-653-7233. Prizes for both tournaments can be dropped off at the MCAS Association office or in the south they should be dropped off at Ecco Supply, 1600 Ross Avenue East, Regina.

Please note all prize donators will be recognized at the BBQ following golf.

MCAS NORTH GOLF COMMITTEE		
Dean Olsen	Maxim Chemical International Ltd.	306-242-4283
Mauri Young	Ron's Plumbing & Heating (1980) Ltd.	1-306-236-5625
Kevin Jenkins	Emco Corporation	306-652-7474
Bart Rhoades	Davies Supply Group	306-933-2433
MCAS SOUTH GOLF COMMITTEE		
Dean Olsen	Maxim Chemical International Ltd.	306-242-4283
Randy Posehn	Ecco Supply	1-306-721-8228
Don Matt	Novo Water Conditioning Products	1-306-536-5700
Scott Kerr	C & E Mechanical Inc.	1-306-693-6722
Robert Sanson	Crane Supply Ltd.	1-306-525-1325
Michael Frombach	Crane Supply Ltd.	1-306-525-1325
ASHRAE SOUTH COMMITTEE		
Jason Danyliw	HVAC Sales (1997) Ltd.	1-306-721-7980
Wayne Tkach	MacPherson Engineering	1-306-586-7972
Heric Holmes	MacPherson Engineering	1-306-586-7972

What's New in ASHRAE



ASHRAE IAQ 2013 Environmental Health in Low Energy Buildings

October 15–18, 2013
www.ashrae.org/iaq2013



Renaissance Vancouver Hotel Harbourside | Vancouver, British Columbia, Canada

Besides addressing thermal comfort and other indoor environmental quality (IEQ) issues, buildings and other enclosed spaces are increasingly challenged to provide a healthy environment in an energy efficient manner.

IAQ 2013 reviews the state of knowledge of the balance of environmental health and energy efficiency in buildings and helps define future design, education, policy and research directions.

The roles of building, HVAC&R and passive system design and operation for achieving good environmental health in low energy buildings (both new and retrofit) are the core theme of the Conference.



Some 145 conference papers and extended abstracts have been invited. Tracks are as follows:

- Track 1 - Environmental Health in Low Energy Buildings
- Track 2 - Moisture and Health
- Track 3 - Sources and Chemistry
- Track 4 - IEQ Factor Interactions
- Track 5 - Residential Buildings
- Track 6 - Commercial and Institutional Buildings
- Track 7 - Air Cleaning and Filtration
- Track 8 - Microorganisms and Infection
- Track 9 - Tools (models, measurements and more)

A complete listing of accepted conference papers and extended abstracts can be found at www.ashrae.org/iaq2013.

Plenary Lectures will be given by four distinguished international authorities:

- William Bahnfleth, Ph.D., P.E., Fellow ASHRAE, ASME Fellow, Pennsylvania State University, 2013–14 ASHRAE president, "Are We Putting Enough Energy into Making Buildings Healthy?"
- Richard Corsi, Ph.D., P.E. University of Texas, Austin, Indoor Air 2011 president, "Building Energy and Reactivity"
- Mark J. Mendell, Ph.D., Lawrence Berkeley National Laboratory and California Department of Public Health, "Do We Know Much about Low Energy Buildings and Health?"
- Pawel Wargocki, Ph.D., Danish Technical University, ISIAQ president, "What Can Europe Teach Us?"

Registration	Member	Non-member	Speaker
Early bird through Aug. 30	\$550	\$600	\$400
Regular fee through Sept. 30	\$600	\$650	\$400
Onsite fee beginning Oct. 1	\$650	\$700	\$400

Conference proceedings and breaks, lunches and a reception included in registration fee.

Co-organized by ISIAQ.
IAQ2013 is the 17th in the ASHRAE IAQ conference series.

Surrounded by water on three sides and nestled alongside the Coast Mountain Range, Vancouver is the largest city in the province of British Columbia with over half a million residents and one of the mildest climates in Canada. Home to spectacular natural scenery and a bustling metropolitan core, Vancouver was Host City to the Olympic and Paralympic Winter Games in 2010.



www.ashrae.org/iaq2013

Honourable Mentions

This year our Regina Chapter was honoured with several awards at CRC!

Regina Chapter	Full Circle, Goal
Jason Danyliw	2011-12 PAOE Award Honor Roll and Special Citation
Jared Larson	Student Activities Best Chapter Educational Activity
Greg Fluter	Chapter Service Award
Heric Holmes	Chapter Service Award
Murdoch MacPherson	Special Award Certificate of Appreciation

2012-2013 ASHRAE Regina Board of Governors

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Regional XI Executive

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Assistant Regional Chair
Erich Binder,
Erich Binder Consulting Ltd.

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MacPherson Engineering Inc.

Research Promotion RVC
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