



BUFFALO TALES

Newsletter of the Manitoba Chapter

The Manitoba Chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers was chartered in September 1935. It is the second oldest ASHRAE Chapter in Canada. ASHRAE Manitoba is part of ASHRAE Region XI and covers ASHRAE members in Manitoba and Northwest Ontario.



ASHRAE Supper Meeting Victoria Inn, 1808 Wellington Avenue Thursday February 10, 2011 Student Night

European Technologies and their Application in North America

5:00 pm - Cocktails

6:00 pm - Dinner

7:00 pm – **ASHRAE Distinguished Lecturer Tim McGinn**



Tim McGinn's combined mechanical and electrical degrees, and his LEED® accreditation, put him in a unique position. He has extensive experience in designing mechanical and electrical systems for complex projects but his real passion is a specialization in designing low impact/low energy mechanical and electrical systems for green buildings. As a result, Tim is a frequent lecturer on Green Buildings throughout North America, sharing his broad green building design expertise which includes passive evaporative cooling, indirect evaporative cooling, displacement and underfloor air system, natural and mixed mode ventilation, solar chimneys, solar air preheating, grey water reuse and passive solar heating.

Mr. McGinn is a LEED Accredited Professional and graduated with Electrical and Mechanical Engineering Degrees from University of Saskatchewan with twenty five years experience as a consulting engineer. Tim is based in Calgary and is currently a High Performance Building Design Professional and a principal in the 300 person AE firm DIALOG with offices in Calgary, Edmonton and Toronto. He is a Past President of the Manitoba Chapter of ASHRAE. On February 10, 2011, he will speak to the Manitoba Chapter about "European Technologies and their Application in North America".

By way of select case study of Low Carbon/Low Energy from Europe, technologies, approaches and mechanical systems are reviewed and discussed and related to the North American context. The talk uses a Frankfurt commercial speculative office building to highlight an integrated building services strategy that uses simple, cost effective low energy strategies to deliver excellent indoor environmental quality with low operating costs.

CONFIRM YOUR ATTENDANCE by February 7, 2011 by emailing Stephan Norsworthy at stephen.norsworthy@snclavalin.com. Indicate any special meal requirements (vegetarian, allergies, etc.)

ASHRAE dinner meetings are open to all. Non member cost is \$45. The cost for a first time guests accompanied by an ASHRAE Manitoba member is \$25. Pre-registration is required. To pre-register or to get information on the cost of ASHRAE events, e-mail stephen.norsworthy@snclavalin.com or visit www.ashraemanitoba.ca.

Coming Events

ASHRAE Manitoba Supper Meetings for 2011 – March 10 - Refrigeration Night and April 14. Mark your calendar to keep these dates open.

The **Las Vegas Virtual Conference** is included with paid attendees' registrations and is also available to non-attendees. So, even if you can't spare the time to go to Vegas for the conference, you can participate in the conference on-line, for a fee. Complete information is available at www.ashrae.org/lasvegas.



January 31, 2011 - Regional Dinner at the ASHRAE Winter Meeting in Las Vegas - a night out with colleagues from your Chapter and others in your Region or any other Region you decide you want to connect with. All are welcome to participate. Manitoba is in Region XI. For details look for a sign up sheet on a bulletin board in the ASHRAE meeting registration/bookstore area. There are often other open group dinners posted on the same bulletin board. If you are alone, these are an easy way to find company for supper. If you have to dine with someone you would rather not, this is a great way of meeting that obligation without enduring the full burden of doing so.

April 20 and 21 – Building for Tomorrow – 2011 Better Buildings Conference - For details contact: tom@bomamanitoba.ca

April 21, 2011- ASHRAE WebCast - Ground Source Heat Pump Systems – Putting the Earth to Work for You – noon til 3PM Manitoba time. It has some great speakers and **it's free**. On-line registration begins March 21, 2011. For details on why you should participate and how to register, go to www.ashrae.org/GHPwebcast

May 10 - 13, 2011 - The Future of the Building Envelope ... Building Upon Our Past – the 13th Canadian Conference on Building Science & Technology will be at the Fort Garry Hotel in Winnipeg. For information about this conference including sponsorship opportunities, visit the conference website <http://www.becwinnipeg2011.com/>

September 25-27, 2011 - The Canadian Healthcare Engineering Society 2011 National Trade Show & Education Forum & 31st Annual National Trade Show & Education Forum in Winnipeg Manitoba. The Conference theme is “Sustaining Healthcare Infrastructure”. More detailed information can be found on our website at <http://www.ches.org/en/professional-development/2011-conference.html>.

Wednesday September 28, 2011 – The Canadian Healthcare Construction Course. For details visit <http://www.ches.org/en/professional-development/canadian-healthcare-construction-course.html>.

A Call for Volunteers

1 - Johann Baetsen - President Elect 2011-2012, is looking for volunteers who are interested in serving on the **ASHRAE Manitoba Board of Governors**. This is an opportunity to gain insight into the society that drives the HVAC and Refrigeration industry and influence local, provincial and national building codes. You will also be in contact with other professional individuals with interests in HVAC and Refrigeration. This can provide potential employment opportunities and relationships that can help catapult your career in the future. Serving on the ASHRAE Manitoba fosters and develops growth within the ASHRAE Region and Society, which can lead to positions at the Regional or even Society levels. Finally ASHRAE Manitoba will help attain the professional development requirements that are or will be mandatory as an EIT, CET, and even P.Eng level. Contact Johann at epp siepman engineering, 453-1080, jbaetsen@eppsiepman.com to tell him you are interested.

2 - In May of 2012, the **Manitoba Chapter will host the annual ASHRAE Region XI Chapters Regional Conference**. Twelve chapters, including ours, will meet at the Hotel Fort Garry for three days of activities including business meetings, technical sessions, and social activities. This event will host some 100 visitors to our chapter.

As you can well imagine, planning for this event is a large endeavour. A committee to undertake this work will be formed in the near future and volunteers are welcome to become involved. The event has many facets, including social event planning, a golf tournament (or alternate event depending on weather...), technical session coordination, and logistical issues are among the tasks at hand.

Hosting a CRC is a significant event for any chapter, and we're aiming to make this a memorable event. It only happens once every 15 years in Winnipeg, so consider becoming involved! Contact 2012 Region XI CRC Chair **Russell Lavitt** at SMS Engineering Ltd., 789-2312 rlavitt@smseng.com to volunteer.

Six good reasons to volunteer are:

- EITs can use time spent on ASHRAE committees to meet voluntary service requirements
- You get to meet other volunteers and make great business and social connections
- Some positions cover travel expenses to CRC
- Volunteers gain management and organizational experience
- You can implement your ideas for improving the chapter
- Volunteering looks great on any resume

Power Smart Eligibility Changes for New Construction Projects

Manitoba Hydro's Power Smart for New Buildings Program is changing.



Effective April 1st, 2011, select existing programs will no longer accept applications for new construction. All new commercial construction projects must apply through the New Buildings Program to receive financial incentives and building designation. The pdf above has more information regarding these changes. This information is also posted on Manitoba Hydro's external website and is included in the winter 2011 edition of Power Smart for Business eNews.

If you have any questions regarding Power Smart and commercial new construction, contact Cory Young at Manitoba Hydro Power Smart for Business, ph 204.360.4774, cell 204.223.7397
cyoung@hydro.mb.ca

ASHRAE Technology Awards - Bert Phillips, ASHRAE Manitoba CTTC Chair

ASHRAE Technology Awards recognize designs that push the envelope. Winning ASHRAE Technology Award submissions typically have the following characteristics:

- demonstrate innovation and creativity
- include data for one full year of post construction operation
- clearly identify and describe unique/special aspects of the project
- graphs, tables and drawings are clear and add value to the text and
- are logical and understandable

From my experience as a Tech Award Judge, my suggestion is that applicants focus their submission on one or two significant design innovations, not the whole building design. Awards aren't given for good design, they are given for innovation that pushes the limits of design. Winners get a plaque and are written up in the ASHRAE Journal.

To qualify for the program, the person submitting a project must be an ASHRAE member and have been part of the design team. Projects are first submitted to the local ASHRAE Chapter competition (judged in mid April), Chapter winners can be forwarded to the Regional competition (judged in early May) and Regional winners can be submitted to the Society level competition which is judged in the fall.

For details and application forms, go to <http://www.ashrae.org/members/page/1646> If you have questions beyond that, I am the local ASHRAE guy responsible for this program.

Career Web Site Available for ASHRAE Members

The ASHRAE Career Center (www.ashraejobs.com) provides a single location for professionals to research career opportunities, including employer profiles and specific job postings. Professionals can post into a resume database and promote themselves to employers. While ASHRAEjobs.com is open to all professionals, ASHRAE members will be showcased by allowing employers to search for ASHRAE Membership and Certifications to find the most qualified candidates.

ASHRAEjobs.com targets professional job seekers and employers/recruits who are seeking to advertise to job seekers and to search resumes. The service is free to job seekers. Employers and job-seekers may visit the site now to register an e-mail address for updates. ASHRAE's Career Center partner is the Industry People Group (IPG).

MBCaGBC Courses in Winnipeg

The Manitoba Chapter of the Canada Green Buildings Council is planning to host the following courses:

- LEED Canada Documentation (N.C. 1.1) - Monday February 7, 2011– 7.5 GBCI CE Hours
- LEED Canada NC: Technical Review v. 2009 - March 16, 2011 - 7 LEED Specific, BD&C GBCI CE hours
- LEED Canada for Existing Buildings: Operations and Maintenance - May 12, 2011 - 7 LEED specific, O&M GBCI CE hours / 7 GBCI CE hours

For details, go to [CaGBC WORKSHOPS](#)

Dopeler Effect is defined as the tendency for stupid ideas to seem smarter when they come at you rapidly.

Do not argue with idiots. They will drag you down to their level and beat you with experience.

ASHRAE Manitoba Chapter Officers

President	Jesse Sandhu	SMS Engineering Ltd	789 2307	jsandhu@smseng.com
President Elect	Johann Baetsen	epp siepman engineering	775 0291	jbaetsen@eppsiepman.com
Vice President	Corey Nation	EH Price	982 2222	coreyn@price-hvac.com
Secretary	Mark Windeatt	Engineered Air	632 8535	mark.windeatt@engineeredair.com
Treasurer	Doug Castor	EH Price	982 2220	DougC@price-hvac.com
Board of Governors	Sergio Almeida	Geo-Xergy Systems Inc.	333 7774	sergio@geoxergy.com
	Robert Bisson	Public Schools Finance Board	945 8452	robert.bisson@gov.mb.ca
	Devin Evenson	Manitoba Hydro		devenson@hydro.mb.ca
	Stirling Walkes	SMS Engineering Ltd	775 0291	swalkes@smseng.com
Technology Transfer	Bert Phillips	UNIES Ltd	633 6363	phillips@unies.mb.ca
Membership	Stephen Norsworthy	SNC-Lavalin Inc.	786 8080	stephen.norsworthy@snclavalin.com
Research Promotion	Daryl Friesen	Midwest Engineering Ltd	989 3636	daryl@midwesteng.mb.ca
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Honors and Awards	Stirling Walkes	SMS Engineering Ltd	775 0291	swalkes@smseng.com
Newsletter Editor	Bert Phillips	UNIES Ltd	633 6363	phillips@unies.mb.ca
Homepage Editor	Devin Evenson	Manitoba Hydro		devenson@hydro.mb.ca
Administrator	Russell Lavitt	SMS Engineering Ltd	789 2312	rlavitt@smseng.com
Programs	Russell Lavitt	SMS Engineering Ltd	789 2312	rlavitt@smseng.com
Refrigeration	Daryl Friesen	Midwest Engineering Ltd	989 3636	daryl@midwesteng.mb.ca
Chapter History	Robert Bisson	Public Schools Finance Board	945 8452	robert.bisson@gov.mb.ca
Special Events	Gary Bailley	Manitoba Hydro	360 5156	gbailley@hydro.mb.ca

ASHRAE Region XI Officers

Director & Regional Chair	Erich Binder	Erich Binder Consulting	Calgary	erich.binder@worleyparsons.com
Assistant Regional Chair	Kevin Marple	Benz Air Engineering	Portland	kmarple@benzco.com
Technology Transfer	Eileen Jensen	Bonneville Power	Portland	nejensen@bpa.gov
Membership	Murdoch MacPherson	MacPherson Engineering	Regina	m.macpherson@mac-eng.ca
Student Activities	Doug LeCren	Colt Engineering	Anchorage	douglas.lecren@nanworleyparsons.com
Young Engineers in ASHRAE	Tariq Amlani	Stantec	Vancouver	tariq.amlani@stantec.com
Resource Promotion	Ray Sieber	Saskatchewan Research Council	Regina	sieber@src.sk.ca
Nominating Committee	Norm Grusnick	ECCO Manufacturing	Langley	ngrsnick@ecomfg.com
Regional Historian	Kevin Marple	Benz Air Engineering	Portland	kmarple@benzco.com
	Bill Dean	National Research Council of Canada	Saskatoon	bill.dean@nrc-cnrc.gc.ca
Treasurer	Rob Craddock	Inland Metal Manufacturing	Regina	rob@inlandmetal.ca
Web Page Editor	Kathy Habke	SAC ASHRAE	Calgary	chapter.administrator@sac-ashrae.com
CRC Chair, 2011	Keith Yelton	Air Commodities Oregon		keithY@air-commodities.com

ASHRAE needs you, but more importantly you need ASHRAE. ASHRAE always has room for more professionals, just like you. For information regarding ASHRAE membership, contact Manitoba Membership Chair Steven Norsworthy Stephen.Norsworthy@snclavalin.com or visit ASHRAE Manitoba at www.ashraemanitoba.ca

ASHRAE, founded in 1894, is an international organization of 50,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public. Visit ASHRAE at www.ashrae.org.

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