



THE SPECTATOR

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**Southern Alberta
Chapter ASHRAE**

President's Message

I have just returned from the ASHRAE Winter Meeting in Orlando and can report that the meeting was pretty well attended despite the US economic downturn. Although I did not attend the AHR Expo, a few people I spoke with that did indicated the number of booths and the size of the booths seemed down from previous years. That seems to align with some statistics I heard on the advertising revenues for the ASHRAE Journal being down as well. We are fortunate that things seem to be ticking along pretty good here in Calgary.

The big news at ASHRAE was the approval and publishing of the new ASHRAE Standard 189.1-2009 "Standard for the Design of High Performance Green Buildings – Except Low-Rise Residential Buildings". It is essentially a standard similar to LEED that can be adopted by Code Officials, mandating a minimum ecological performance for buildings similar to the LEED System. I have read much of it and it appears to be adaptable to the Canadian market as well, similar to some provinces adopting ASHRAE's Energy Code 90.1. If this catches on like some think, it could become a very common way for owners to specify a minimum level of green building performance without the expense of going through a LEED Certification process. Electronic copies are available for purchase and download from the ASHRAE Website.

See you at the February meeting.

Tim McGinn, P. Eng.
President
SAC ASHRAE
Phone: 541-5462
Email: mcginnt@cohos-evamy.com

February Meeting

Location: Croatian Canadian
Culture Centre
3010 – 12 Street NE

Date: Tuesday February 16, 2010

Cocktails: 5:00 p.m.

Dinner: 6:00 p.m.

Speaker: Paul Pieper, P. Eng.
Marketing Manager
Distinguished Lecturer

Company: [Venmar CES Inc.](http://www.venmar.com)

TOPIC: Heat Recovery

Member: \$40.00

Non-member: \$45.00

Quote of the Month

I'm an early bird and a night owl. So I'm wise and have worms.

Michael Scott

February Meeting

Welcome members to our February 16 2010 meeting to be held at the Croatian Canadian Culture Center 3010 – 12 Street NE Calgary AB. Our dining experience will consist of Croatian style beef and chicken dishes along with all the fixings. In keeping with this year's theme of culture exchange it should be a very interesting experience. Our guest speaker is Paul Pieper Eng. with Venmar CES. Inc. out of Montreal. He is an ASHRAE DL with a wealth of experience in heat recovery. See his attached abstract for more information.

We look forward to a great turnout so book your spot early and we will see you at the meeting

Don Blacklock, Vice President
Phone: 541-5462
Email: Blacklockd@cohos-evamy.com

Student Activities

Thank you to all the students who attended the January dinner meeting and to all of the members who supported their attendance.

For anyone interested in promoting K-12 science and engineering programs, here is a reminder of upcoming events in which you can participate:

Sat, February 27th – APEGGA Science Olympics
<http://www.apegga.org/k12/olympics/toc.html>

Fri, March 19th – Calgary Youth Science Fair
<http://www.cysf.org/>

If you have any questions or recommendations concerning student activities please feel free to contact me.

LOOKING FOR AN INTERN?

If any companies are interested in hiring an internship student starting in May 2010 please

contact me for more information. I currently have one resume available to pass on and may have more in the future.

Jill Pederson
Chairperson, Student Activities
Phone: 254-3332
Email: jillian.Pederson@aecom.com

Research

All members will be receiving a request from the Research Committee asking for you to consider making your contribution to Research Promotion. We are tracking towards our goal of \$9500.00 for our Chapter but need your support.

To help make it easy, there is now an online form that can be used.
www.ashrae.org/aboutus/resource_promotion.asp

The products of ASHRAE research include improved standards, handbooks, guidelines, codes; special publications, software, web-based tools; and papers and journal articles that advance HVAC&R science and technology.

The April monthly meeting is Research Night. Our focus will be to attain and surpass our target by that meeting. We are planning on expanding our monthly Research Promotion Draw to include a few silent auction items. Any help with donations towards this event would be greatly appreciated.

I'd like to thank **everyone** who supported the January draw with their ticket purchase and recognize J&S Engineering for their generous Valentine's Day gift card set to help generate ticket sales.

Table tops displays for the February meeting have been spoken for. March is still available. Thank you to Watts Water Technologies/ Blucher Drainage and Wilo Pumps/ Wolseley Mechanical Group for their support at January's meeting.

There are two tables available at each meeting. Cost is \$100.00 /table /meeting. Please contact Jack or Grant to reserve your table for future meetings. It is a great way to support Research

Promotion and talk to everyone about your new products!!

If you can help with a donation of any door prizes for future meetings – please let us know. It will be appreciated and recognized!!

Jack Forrest - 831-2632
Grant Kidd - 569-5367
Co-Chairpersons, Research Promotion

2010 Curling Odyssey

This fun and chillin' event will be held on Friday February 26, 2010 at the Inglewood Golf and Curling Club. Kick off at 11:00 a.m. with lunch, on the ice at 12:00 sharp!! Wrap up and awards at 5:00 p.m.

Registration forms are attached. For further information contact:

Doug Capp
Phone: 640-1700
Email: douglas.s.capp@jci.com

Golf Tournament

Its that time of the year again!!!!
SAC ASHRAE Golf Tournament
June 1, 2010; 1 PM
Watch for registration next month.

Board of Governors Nominations

2010-2011 Nominations

The Southern Alberta Chapter is currently seeking nominations for the 2010-2011 Board of Governors.

If you would like to nominate someone, or would like to put your name forward, please forward the information to Peter Litwinow via email. Thank you.

Peter Litwinow
Past President
Phone: 270-0333
Email: plitwinow@escautomation.com



2009/2010 EVENT CALENDAR

SEPTEMBER MONTHLY MEETING

Research Promotion
September 22, 2009
Blackfoot Inn
5:30 p.m. – 8:30 p.m.

OCTOBER MONTHLY MEETING

Past President's Night
Membership Night
October 20, 2009
German Canadian Club

NOVEMBER MONTHLY MEETING

November 17, 2009
CTTC - LUNCHEON
Danish Canadian Club

JANUARY MONTHLY MEETING

January 19, 2010
Student Activities Night
Austrian Canadian Club

FEBRUARY MONTHLY MEETING

February 16, 2010
Croatian Canadian Culture Centre

ASHRAE CURLING
Inglewood Curling Club
February 26, 2010

ASHRAE SKI WEEKEND
March 5, 6, 7th 2010
Contact: Mark Kelly
287-4773

MARCH MONTHLY MEETING

March 16, 2010
Refrigeration Night
TBD

APRIL MONTHLY MEETING

April 20, 2010

TEGA Night
TBD

LOBSTERFEST
Al Azhar Temple
Date: May 19, 2010
Contact Bob Lounsberry
287-4772

GOLF TOURNAMENT

Date: June 1, 2010
Contact Rod Sjolie
217-5655

Chapter Officers 2009-10

Past-President: **Peter Litwinow** 270-0333
Email: plitwinow@escautomation.com

President: **Tim McGinn** 541-5462
E-mail: McGinnT@cohos-evamy.com

President-Elect: **Tyler Majcher** 256-6544
Email: tyler.majcher@botting.ab.ca

Vice-President: **Don Blacklock** 541-5462
Email: blacklockd@cohos-evamy.com

Chapter Administrator: **Kathy Habke** 201-4454
Email: chapter.administrator@sac-ashrae.com

Governors

Membership: **Alan Proctor** 253-6808
Email: alan.proctor@dcsalesltd.com

Student Activities: **Jillian Pederson** 254-3332
Email: jillian.Pederson@aecom.com

CTTC: **Kelly Johnson** 278-7555
Email: westcanhvacsales@shaw.ca

Research Promotion: **Jack Forrest** 831-2632
Email: jackforrest@allanforrest.com

Research Promotion: **Grant Kidd** 233-9044
Email: grant.kidd@stantec.com

**Paul L. Pieper, Eng.
Marketing Manager, Venmar CES Inc.
Montreal, Canada**



Paul Pieper, Eng., is the Marketing Manager for Venmar CES Inc., an innovative manufacturer of cost effective, energy efficient, energy recovery solutions for the commercial ventilation market.

Mr. Pieper has over 15 years of Sales and Product Management experience in designing high performance HVAC systems and equipment for commercial and industrial applications. He holds a degree in Pure and Applied Science from Marianopolis College, a Bachelor of Engineering degree from the Department of Building, Civil and Environmental Engineering and a certificate in Software Development from Concordia University in Montreal.

Mr. Pieper is a member of the Quebec Order of Professional Engineers as well as the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) and the U.S. Green Building Council (USGBC). He currently represents Venmar CES Inc. with the Air-Conditioning, Heating and Refrigeration Institute (AHRI) on the Air-to-Air Energy Recovery Ventilation Equipment Section.

Mr. Pieper is the Chair of ASHRAE TC 8.12 Desiccant Dehumidification Equipment and Components and is an active member of ASHRAE TC 5.5 Air-to-Air Energy Recovery.

LECTURE TOPICS:

Characteristics of High Performance Schools: Energy and Indoor Environmental Quality

Green building in education provides numerous benefits: operational cost savings, reduced energy use, greater health and well-being and improved student performance. There are many resources available to the mechanical designer however few resources focus exclusively on HVAC systems and how to optimize space heating and cooling requirements while providing a superior indoor environment. This program examines the most common guidelines and best practices in the industry for the successful implementation of high performance HVAC systems in education with particular emphasis on K-12 Applications.

Meeting and Exceeding High Performance Standards, Codes and Guidelines with Air-to-Air Energy Recovery Systems and Equipment

As we move towards net zero energy buildings and a sustainable future for the built environment, many designers struggle with the seemingly conflicting requirements of the latest standards, codes and guidelines when trying to provide high performance HVAC systems that are energy efficient and capable of delivering superior IEQ. Fortunately, air-to-air energy recovery systems and equipment provide one of the most cost-effective and efficient ways to recycle waste energy while creating quiet and comfortable indoor environments. An overview of current and proposed standards and guidelines will be presented to identify areas where energy recovery is mandated and where energy recovery can be employed to meet and exceed performance requirements for efficiency, thermal comfort and ventilation air.

Understanding and Evaluating Air-to-Air Energy Recovery Technologies

Industry emphasis on the advancement of sustainable building design and operations has created a rapidly growing market for energy recovery systems and equipment. However, for many the fundamentals of air-to-air energy recovery remain poorly understood. The basic concepts of energy recovery will be reviewed and an overview of the primary standards and guidelines relating to energy recovery devices will be presented. In addition, the most popular technologies will be explored in detail to understand the advantages, performance benefits and key specifiable differences with a view towards practical application and successful integration.



ANNOUNCING THE SOUTHERN ALBERTA CHAPTER SAC - BONSPIEL 2010

WHEN YOU SAY: This FUN & (some would say chillin') event will be held
Friday February 26 2009
 Kick off at 11:00AM with lunch, on the ice at 12:00 SHARP
 Wrap-up and Awards at 5:00 PM.

WHERE YOU SAY: *INGLEWOOD GOLF & CURLING CLUB*

**FIRST COME, FIRST SERVED. THE FIRST 12 TEAMS OR 48 INDIVIDUALS TO
 SUBMIT THEIR APPLICATION *TOGETHER WITH PAYMENT* ARE IN!!!
 DON'T MISS THE 2009 CURLING ODDITY!**

ENTRY FEE: **\$280.00** per team OR **\$70.00** per Individual
****Make cheques payable to: SAC ASHRAE**

MAIL TO: Douglas Capp
 c/o Johnson Controls
 #104, 6046 – 12 Street SE
 Calgary, AB T2H 2X2
 Ph: 640-1700 ext 340, or fax at 640



NAME:	COMPANY:	MEMBER
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____



ASHRAE

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

SOUTHERN ALBERTA CHAPTER

DINNER MEETING

Minutes

January 19, 2010
Student Activities Night
Austrian Canadian Club
3112 - 11 Street NE
Cocktails: 5:30 p.m.
Dinner: 6:00 p.m.

Speaker: Robert G. Baker

Subject: Maintain to Sustain

Maintain and Operate to Realize Design

DISTRIBUTION: Via Email

No.	Description
1	<p>Call to order at 6:10PM by Tim McGinn.</p> <p>Minutes taken by Serpil Eren.</p>
2	<p>Announcements by Tim McGinn:</p> <p>Table Displays are present for this meeting; please take a look at them.</p> <p>February 26 curling night is coming up at the Inglewood Golf and Curling Club. For further information contact:</p> <p>Doug Capp Phone: 640-1700 Email: douglas.s.capp@jci.com</p> <p>March 5, 6 and 7th ASHRAE SKI WEEKEND at Panorama. For this event contact: Mark Kelly 287-4773</p> <p>This year 8 of the ASHRAE member attended the Christmas Party at Gasoline Alley in Heritage Park with the Sheet Metal Contractors. It was great. We would like to increase the attendance for next year.</p>
3	<p>Information about Student Activities given by Jill Pederson:</p> <p>We attended a competition in October and finished in 6th place. Chris and Halley are presenting the submission at one of the tables and can explain the project in detail to whoever is interested.</p> <p>We are sponsoring the fourth year project, which is a similar project to the ASHRAE Design Competition.</p> <p>We need judges for the following events:</p> <p>Sat, February 27th – APEGGA Science Olympics http://www.apegga.org/k12/olympics/toc.html</p> <p>Fri, March 19th – Calgary Youth Science Fair http://www.cysf.org/</p> <p>Basically you will be attending and deciding which project is the best one. It is a lot of fun. More details can be found in the above web pages.</p>
4	<p>Information about ASHRAE Research given by Jack Forrest:</p>

	<p>We would like to say thank you to everyone for their support in the monthly meeting Research Promotion draw.</p> <p>We will be sending out a request from the Research Committee asking for you to consider making your contribution to ASHRAE Research Promotion this month. Our Chapter goal for this year is \$10,000 and we have only 65% complete. We are looking forward for your donations.</p> <p>Our table top displays are now available. There will be two tables available at each meeting. We have an opening for March. Cost is \$100.00 / table / meeting with the proceeds going to ASHRAE Research promotion. Please contact Jack or Grant to reserve your table.</p>
5	<p>Program Information given by Don Blacklock:</p> <p>Our turn-outs have been increased and we will have new venues to announce in the near future.</p> <p>At the AHRI in Orlando on Sunday January 24, 2010 a Regional Dinner for Region X, XI, & XII. The dinner is at 7:00 PM at Ming Court. The details will be posted at the registration table at the Hotel.</p> <p>Please fill out the speaker form after the speech.</p> <p>Our next meeting will be on February 16, 2010 and we will have an ASHRAE DL Paul Pieper as the speaker.</p>