



THE SPECTATOR

PO Box 76006, Calgary, AB T2Y 2Z9
Phone/Fax: 201-4454
Email: chapter.administrator@sac-ashrae.com



**Southern Alberta
Chapter ASHRAE**

President's Message

This is our last regular meeting of the year and we have another great program. This will be our first meeting with Chinese Food on the menu and we have selected a venue in China Town with excellent food. Our speaker will be very interesting and we are looking forward to another large turnout. This meeting will also be our last Research Promotion night, so bring your cheque books.

After this meeting, we are in the home stretch. Make sure you get your tickets for Lobsterfest, and hopefully you have already signed up for the golf tourney. If you have not, your last chance might be as a hole sponsor, where some spaces may still be reserved.

There are a lot of items in this month's newsletter, so please make sure that you read all the articles.

We will see you at the April meeting.

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

Quote of the Month

Anyone who doesn't take truth seriously in small matters can not be trusted in large ones either.

Albert Einstein

April Meeting

**Location: Regency Palace
Seafood**
328 – Centre Street SE, 2nd level
Venue Parking Map attached

Date: Tuesday April 20, 2010

Cocktails: 5:00 p.m.
Dinner: 6:00 p.m.

SPEAKER: Kim Pfeifer
VP, District Energy
Business Development
ENMAX

TOPIC: Energy Opportunities in
the City of Calgary

Member: \$40.00
Non-member: \$45.00

SMACNA Seminar

Register now for our upcoming SMACNA seminar scheduled for May 11, 2010.

Lobsterfest

Register for this event scheduled for May 19, 2010.

Golf Tournament

We are in need of some prizes for our golf tournament. Please help support our efforts in making this the best tournament yet!! See attached for further details.

April Meeting

Welcome members to our April 20th meeting hosted by the Regency Palace Seafood Restaurant 2nd level #335, 328 Center ST. SE. It is shaping up to be a great meeting with Lobster, Scallop, squid, ginger beef, and a whole lot of other delicious plates on the menu. Parking is available across the intersection at the James Short Parkade.

Our guest speaker is Kim Pfeifer VP, District Energy Business Development and his talk will be based on:

ENMAX is pursuing many district energy opportunities in the City of Calgary and most recently commissioned its first facility, the Downtown District Energy Centre. This heat generating facility, located at 9th Avenue and 4th Street SE, is part of the multi-phase Calgary District Energy Project which will provide heating to up to 10 million square feet of new and existing downtown buildings through a network of underground insulated pipes.

The presentation will cover the district energy project and how ENMAX is moving forward in the industry to provide energy-efficient solutions for consumers.

Kim Pfeifer – Bio is attached

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

Research

April is Research Month!

I'd like to begin again by thanking everyone for your supporting the Chapter's efforts to reach our Goal of \$10,000 in contributions to ASHRAE Research. At last month's meeting, the 50/50 draw and support of the table top displays by D C Sales Ltd. and Merlin

Integrated Solutions Inc. helped raise \$450.00!!

Our focus this month is to achieve our \$10,000 goal for the year and surpass it at the monthly meeting. Ray Sieber, the Regional Vice-Chairman of ASHRAE Research Promotion will be attending our meeting and will give a short presentation on our Societies' Research activities and how we all benefit from them.

Also at this month's meeting - a silent auction to support Research Promotion. We already have received some donations towards this but need more! If you can help by contributing any prizes towards this event – please give myself or Grant a call. It would be greatly appreciated and recognized.

We will be contacting all Chapter Members and Companies beginning April 6 asking for a contribution towards Research Promotion. Even \$20.00 per Chapter member contributed on line would help us reach that goal. To help make it easy, there is an online form that can be used. Please take a few minutes and support Research Promotion.

www.ashrae.org/aboutus/resource/promotion.asp

Research in Canada - at the Winter Meeting, RAC recognized some outstanding accomplishments and also awarded 21 Grants in Aid to HVAC&R graduate students. **Natan Kotey of the University of Waterloo** received the Homer Addams Award for his support of a research project on improving load calculations.

One of the ways ASHRAE distinguishes itself as a technical and professional society is its robust program of sponsored research. This research supports publications, the Handbook, standards, design guides, and innovations in the HVAC&R field.

ASHRAE's research also supports our universities, bringing new blood and fresh ideas into our industry.

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

Lobsterfest 2010

Lobsterfest is scheduled for Wednesday May 19, 2010. A registration form is attached.

The deadline for Registration and CANCELLATIONS will be Wednesday May 12th, 2010 - the lobsters are flown in live from the East Coast and must be ordered by then!

SAC ASHRAE members: If you have to cancel after the lobsters are already ordered (May 12th), call Kathy (201-4454) with the name of the person replacing you to avoid being invoiced for the meal.

Bob Lounsberry
Chairperson, Lobsterfest
Phone: 444-4095

Golf Tournament

Registration is now open for local ASHRAE members. Please see the attached registration form for further details.

Rod Sjolie
Chairperson, Golf Tournament
Phone: 217-5655
Email: rod.sjolie@hoovermechanical.com

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

History Corner



The month of **April**, in recent years, has been associated with our Annual (or now bi-annual) Tradeshow. But did you know that the inaugural Southern Alberta Chapter Tradeshow was actually held in February, and continued to be held in that month for the first few years.

The first of our tradeshows was held at the Austrian Canadian Club on February 19, 1985, and followed Ladies Night. The honour of being the first Tradeshow organizer went to **Keith Olsen**, who later became President of the Chapter in 1986-87. The initial event was a "mini-tradeshow" that enabled members who were fabricators, manufacturers and product representatives an opportunity to display their wares to fellow industry members. Proceeds of the tradeshow went toward the Chapter's Scholarship Fund and ASHRAE Research. The Tradeshow attracted 28 exhibitors, and was so well received that it became an annual event.

The following year, the February "mini" show, held at the Tradewinds Hotel during the monthly dinner meeting, attracted 42 exhibitors. By the third year, the show boasted an attendance of 250 people, representing 21 consulting firms, 24 contractors, 8 building owners and 22 other companies.

The fourth Annual Tradeshow, which coincided with the Chapters 30th Anniversary, moved both the venue and the month. It was held at SAIT, in the Recreation Centre, on March 22, 1988, and was co-sponsored by the SAIT Students Chapter. Again, it was another overwhelming success.

Over the years the venue has also included the Blackfoot Inn, Glenmore Inn and the Big Four Building. In the early 2000's a decision was made by the Board of Governors to make the show a bi-annual event, and has been held in **April** for the last several shows.

Bring on the showers.

Wayne Keenan,
Chapter Historian

CTTC

TECHNICAL SEMINAR

The SAC ASHRAE Board of Governors has approved a full day technical session that will be held on May 11, 2010. The session will be based on SMACNA (Sheet Metal and Air Conditioning Contractors' National Association) Technical Standards presented by Mark Terzigni, SMACNA's Technical Resources Project Manager. Presentation topics will include:

- HVAC Duct Construction Standards
- HVAC Air Duct Leakage Test Manual
- Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems

Please refer to separate information and brochure on SAC ASHRAE website.

CTTC ASHRAE WEBCAST

Registration begins this week for the CTTC ASHRAE Webcast on April 21, 2010 titled "[Right from the Start-Commissioning for High Performance Buildings](#)". Hear from experts about how commissioning supports a smoother construction process, maximizes energy and cost reductions, and provides a facility that operates as intended. Click on hyperlink to [Digital Brochure](#).

What will I learn?

This webcast will provide tools to help you overcome the hurdles of Commissioning, learn the "What, Why, When and Who" of the process, and how you can make it "business as usual."

- Dispel common myths about Commissioning
- Show you how to make the Commissioning process work for you
- Clarify how to avoid or reverse performance decay
- Demonstrate through Case Studies how Commissioning improves ROI

How do I register?

Online at www.ashrae.org/CxWebcast.
There is no fee for registration.

Kelly B. Johnson, CMA
Chair CTTC
Phone: 403-863-4292
Email: Kelly@WestcanHVAC.com
[ASHRAE CTTC home page](#)

DINNER MEETING MINUTES

March dinner meeting minutes are attached for members review.



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
Big Rock Brewery

APRIL MONTHLY MEETING

April 20, 2010
Regency Palace Seafood
Research Promotion

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

MR. KIM PFEIFER



Vice President, District Energy ENMAX Corporation

Kim Pfeifer has over thirty years experience in the electrical engineering, power generation, electronics and systems controls industries.

Mr. Pfeifer joined ENMAX in April 2007 as Vice President, District Energy in the Business Development group where he is responsible for the development, construction and operation of a multi-million dollar District Energy project in downtown Calgary and the recently announced Bonnybrook Energy Centre – a Combined Heat and Power facility in SE Calgary that will be thermally interconnected to the downtown District Energy system.

Prior to joining ENMAX, Mr. Pfeifer worked for Siemens as Director, Power Generation Sales for Western Canada. Prior positions with Siemens included Regional Manager Oil Sands Development, District Manager Calgary, and Western Regional Manager.

Mr. Pfeifer spent twenty years in the commercial building controls business with Johnson Controls, TransAlta Energy Systems, and Honeywell.

SMACNA Technical Standards Seminar

This seminar is hosted by the Southern Alberta ASHRAE chapter and presented by Mark Terzigni, SMACNA's Technical Resources Project Manager, based out of SMACNA's headquarters in Chantilly, Virginia.

This intensive one day program will provide the technical information to learn the methods and concepts described in SMACNA's technical standards. Enhance your abilities to provide well designed, constructed, and cost effective projects for your firm or clients.

In addition to the presentation topics, each attendee will receive their own copy of the related SMACNA manuals. Retail cost for technical manuals is US \$403.

Focus topics:

HVAC Duct Construction Standards

HVAC Air Duct Leakage

Fire, Smoke and Radiation Damper Installation and Design

Cost: \$250 per person.

Includes: snacks, lunch, SMACNA
Manuals

Event Date: Tuesday, May 11, 2010

Registration: 8:30 - 9:00 am

Technical Session: 9:00 am - 4:00 pm

Location: German Canadian Club - Calgary

Who Should Attend: Mechanical HVAC designers,
sheet metal estimators, municipal
authorities, sheet metal contractors.



**Southern
Alberta
Chapter**

SMACNA

Technical Standards Seminar

Course Materials Included

HVAC Duct Construction Standards Manual

The third edition of the HVAC Duct Construction Standards – Metal and Flexible is intended primarily for commercial and institutional duct construction. This American National Standard (ANSI/SMACNA 006-2006) contains tables and details for constructing ductwork for ½" to 10" wg positive and negative pressures. This edition improves upon the second edition with expanded pressure class tables, separate tables for TDC/TDF construction and expanded tables for round duct construction including 6" wg positive and negative pressure and sizes up to 96". New in this edition is an engineering and design chapter to provide additional information to design professionals, double-wall construction details, new casing construction details and additional accessory items. The standard is applicable for construction using uncoated steel, galvanized and stainless steels and a limited range of aluminum ducts. This standard has been adopted in the ICC International Mechanical Code. Includes soft metrics. 390 pages. 3rd Edition, 2005.

HVAC Air Duct Leakage Test Manual

A companion to HVAC Duct Construction Standards - Metal and Flexible, this manual contains duct construction leakage classification, expected leakage rates for sealed and unsealed ductwork, duct leakage test procedures, recommendations on use of leakage testing, types of test apparatus and test setup and sample leakage analysis. Also covered are orifice flow meter design and valuable references for fluid meter instrumentation. This manual is referenced in ASHRAE's Energy Conservation Standard 90.1. Identified as DALT by some government agencies. Can be used for positive and negative pressure tests.

Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems

The new edition has been updated from the 1992 edition and includes updated code references, NFPA references, and expanded guideline notes as to the details of damper installation. The appendices on smoke control and smoke detectors have been revised to reflect the current technology and requirements for those applications.

Since the publication of the first edition of this "Fire, Smoke, and Radiation Damper Installation Guide for HVAC Systems," many changes have occurred in concepts of fire protection. Emphasis on use of duct systems in engineered smoke control modes as outlined in ASHRAE and National Fire Protection Association (NFPA) publications is now a key consideration for HVAC system designers. Such concepts depart from the traditional practice of automatic shut-down of duct systems and create new perspectives on the role of fire and smoke dampers. In some cases dampers are serving the dual role of fire dampers and smoke dampers.



**Southern
Alberta
Chapter**

2010 SMACNA TECHNICAL STANDARDS SEMINAR

Registration Form

Company: _____

Address: _____

Email: _____

Name(s): _____

Registration Cost: \$250.00 - Deadline May 09, 2010

of Attendees: _____ x Registration Cost: _____ = _____

Please send registration forms & cheques to:

SMACNA Technical Session – SAC ASHRAE

P.O. Box 76006

Calgary, AB.

T2Y 2Z9

Fax: 403.201.4454

Email: chapter.administrator@sac-ashrae.com

For more information email Donald Blacklock: blacklockd@cohos-evamy.com

Note: All funds must be received prior to the event.



**Southern
Alberta
Chapter**



LOBSTERFEST 2010

A JOINT DINNER MEETING WITH,
ASHRAE / SMCAA / MCA

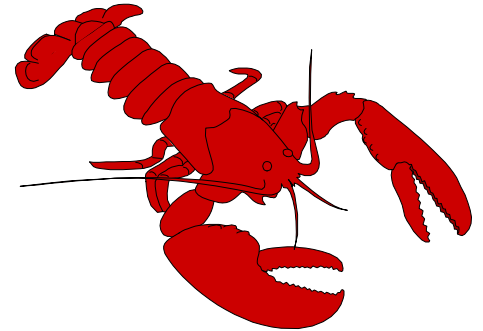
DATE: Wednesday, May 19, 2010

TIME: COCKTAILS: 5:00 TO 7:00 PM
DINNER: 7:00 TO ??? AM

PLACE: Al Azhar Temple - Bowness
5525 - 101 Street NW

COST: \$55 per person, includes wine.
Make cheques PAYABLE TO:
SAC ASHRAE

DRESS: Casual (it gets messy!)



ASHRAE Members: There will be a *short* business meeting at 6:00 p.m. to 6:30 p.m. This dinner is included in the pre-paid plan but you must still register and get a ticket.



The deadline for Registration and CANCELLATIONS will be Wednesday May 12th, 2010 - the lobsters are flown in live from the East Coast and must be ordered by then! SAC ASHRAE members: *If you have to cancel after the lobsters are already ordered (May 12th), call Kathy (201-4454) with the name of the person replacing you to avoid being invoiced for the meal.*

NAME: _____

COMPANY: _____

ASSOCIATION: _____

FAX this form to Bob Lounsberry @ 287-4765 to reserve your lobster and mail your cheque to SAC ASHRAE (\$55/per person).



52ND ANNUAL SAC ASHRAE GOLF TOURNAMENT JUNE 1ST, 2010

Southern Alberta Chapter
D'Arcy Ranch

Prize Request

Date: **April 4, 2010**

To: **SAC ASHRAE Members**

Total Pages Including Cover Sheet: 3

The success of the SAC ASHRAE annual golf tournament is a direct result of continued support from our sponsors.

This year's annual SAC ASHRAE Golf Tournament will again be hosted by Rod Sjolie and Cara Yablonski of Hoover Mechanical. Attached is a list of preferred team prizes that are graciously donated by different members / member companies each year. If you would like to donate one of these preferred team prizes, please contact Rod or Cara at 403-217-5655 for details.

Please note that prizes #1, #2, and #4 on the list require a cheque to be made out for the applicable amounts to SAC ASHRAE of which will be purchased and/or converted into a certificate for the product at the pro shop.

Please Note: All other prize donations received will be awarded by a random draw format utilizing 50/50 ticket #s.

Thank you in advance for sponsoring the 2010 SAC ASHRAE Golf Tournament.

Golf Committee



52ND ANNUAL SAC ASHRAE GOLF TOURNAMENT JUNE 1ST, 2010

Southern Alberta Chapter
D'Arcy Ranch

Preferred Team Prize List

Prize # 1 (Best / Net)

#1 Golf Sandals (\$90.00)
#2 Golf Sandals (\$90.00)
#3 Golf Sandals (\$90.00)
#4 Golf Sandals (\$90.00)

Prize # 2 (Closest to Par / Gross)

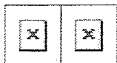
#1 Rain Gear (\$110.00)
#2 Rain Gear (\$110.00)
#3 Rain Gear (\$110.00)
#4 Rain Gear (\$110.00)

Prize # 3 (Biggest Spread / Net)

#1 Golf Bag
#2 Golf Bag
#3 Golf Bag
#4 Golf Bag

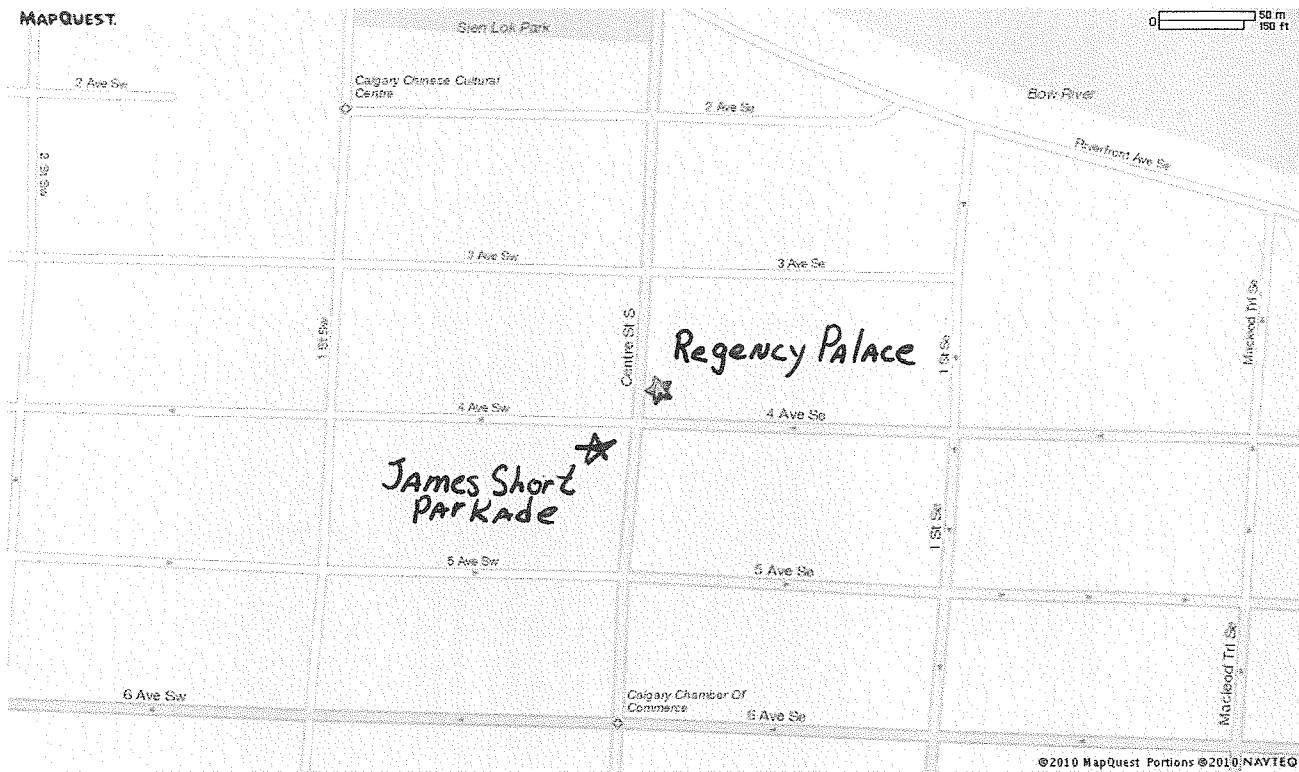
Prize # 4 (Most Honest / Net)

#1 Golf for 2 c/w Cart (\$170.00)
#2 Golf for 2 c/w Cart (\$170.00)
#3 Golf for 2 c/w Cart (\$170.00)
#4 Golf for 2 c/w Cart (\$170.00)



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★ Calgary, AB T2G 4X6



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ASHRAE

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

SOUTHERN ALBERTA CHAPTER

DINNER MEETING

Minutes

March 16, 2010
Big Rock
Refrigeration Night

Speaker: Big Rock Tour

Attendees: 70 people

DISTRIBUTION: Via Email

No.	Description
1	<p>Call to order at 6:10PM by Tim McGinn.</p> <p>Minutes taken by Serpil Eren.</p> <p>Motion by Tim McGinn to accept last dinner meeting notes. Motion seconded by Tyler Majcher.</p>
2	<p>Announcements by Tim McGinn:</p> <p>Two Table Displays were presented for this meeting, Please take a look at them. Thank you for Merlin Integrated Solutions and DC Sales for the nice table displays.</p> <p>Also thank you for the sponsors of Refrigeration night:</p> <p>Western Air and Power, Geoff Howard, W. Dalton Energy Corp., Wayne Johnson, J & S Engineered Solutions, John Clancy ESC Automation, Peter Litwinow,</p> <p>Our next meeting will be a Chinese Meal at the Regency Towers.</p> <p>Have Fun at the evening and tour.</p>