



Capital Communiqué

ASHRAE - AMERICAN SOCIETY OF
HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS

<http://www.ashrae.ottawa.on.ca> OTTAWA VALLEY CHAPTER e-mail: contact@ashrae.ottawa.on.ca

October 2003

PROGRAM

DATE: October 21, 2003
THEME: TEGA / STUDENT ACTIVITIES
PROGRAM: Debate on design and construction approaches

What is the best design and construction approach?

Recently, more owners have opted to hire general contractors to lead their construction projects from design through implementation. This new approach has moved the architect and the design team from the owner's umbrella to that of the general contractor. In this new approach, there are two different schools : Design-Build and Construction Management. Our two invited general contractors will present and defend their preferred approach. We also invited an architect to defend the traditional bid and spec approach.

This program will be of interest to a wide audience, including: **engineers, facilities managers, owners, architects, contractors, project managers, suppliers, financial managers, purchasers...**

Speakers:

Pro-design/build approach : John Westeinde, President, Westeinde Construction
Pro-construction management approach : Jean Daoust, President, Daoust Construction
Pro-bid & spec approach : Philippe Doyle, Partner, Lemay Dorval Fortin Doyle Architects

Moderator:

Joel Primeau, Account Manager, Trane Ottawa

Debate Format:

- Each debater will have 8 minutes to present their point of view. Speaking order will be determined at random.
- Each debater will then be allotted 4 minutes for rebuttal.
- We will then open the floor for questions. The questions can be directed at one or two or all three of the debaters.

PLACE: Capone's Banquet Facility, Nepean Sportsplex, 1701 Woodroffe Ave, Nepean

TIME: Social: 17:30 Dinner: 18:30 Program: 20:00

MENU

Black Bean, Chick Pea & Roma on Boston Lettuce Phyllo Stuffed Chicken with Duxelle and Grain, Mustard Sauce with rice, Seasonal Mixed Vegetables, Rolls & Butter, Coffee & Tea, Pumpkin Pie

2003 -2004

President

Jason MacMurdo

President Elect

Cathy Godin

Secretary

Jay Doshi

Treasurer

Glenn MacLean

Past President

Lan Chi Nguyen Thi

Governors

Tony Doyon

Ron Drummond

Donald Johnson

Rob LeFebvre

Stewart Woermke

Kingston Section

Vacant

COMMITTEES

Audit

Byron Landry

Research

Lan Chi Nguyen Thi

Membership

Heather Garner

Program

Chris Workman

Student Activities

Chris Fudge

TEGA

Joel Primeau

Chapter Historian

Paul Baker

Special Events

Chris Healey

Peter Nabi

Communiqué

Rod Lancefield

Publicity

Mike Derouin

Table Top

Gary Hartmann

Telephone

Cathy Godin

Greeters

Ray Young

Roster

Kevin Toll

Webmaster

Rod Potter

AI Oakes Award

Lan Chi Nguyen Thi

Nominations

David Eastwood

CRC Action

Jason MacMurdo



Heating, Ventilation, Air Conditioning, VSD's & Humidification

Doug P. Breckenridge, P.Eng.

877 Boyd Avenue, Ottawa, ON K2M 2E2
Tel.: (613) 728-0060 • Fax: (613) 725-2637
doug@breck-mar.com

John P. Lowery, P.Eng.
Senior Territory Manager



Carrier Canada
1050 Baxter Road, Unit B
Ottawa, Ontario K2C 3P1
613-820-7810, Ext. 240
Watts: 1-800-561-8385, Ext. 240
Fax: 613-820-9462
Internet: john.lowery@carrier.ca



Mike Swayne, B.Eng., P.Eng.
Partner

GENIVAR Ontario Inc. 15 Fitzgerald Road, Suite 100
Nepean, Ontario K2H 9G1 CANADA
Tel: (613) 829-2800, ext. 333
Fax: (613) 829-8299
www.genivar.com ~ mike.swayne@genivar.com

PRESIDENT'S MESSAGE

We had a great turnout at our September Chapter meeting. It was certainly a pleasure to welcome back all the familiar members and welcome some new faces as well.

The theme for the October Chapter meeting is TEGA and Student Activities.

TEGA (Technical, Energy and Government Activities) encourages Chapter member participation in technical activities at the local, regional and Society levels. This includes providing Chapter input on standards, publications, research, handbooks, and position papers. I would encourage our membership to get involved at both the Chapter and Society levels as ASHRAE offers leading edge technical information and insight into the development of standards and technical guidelines.

The continued strength of ASHRAE Society and indeed of our Chapter depends on future members. We need to actively promote and encourage participation in ASHRAE by students as they represent the future of our industry. Our Chapter has been active in promoting student involvement and must continue to do so. To this end, we are holding our first Student Night of the year at the October meeting. We kindly request your assistance in sponsoring a student's meal for the evening. Please contact our Student Activities chair Chris Fudge (Tel. 820-8111, Email cfudge@trane.com) or myself if interested.

We have a great program planned. I hope to see there.

Jason MacMurdo, P.Eng.
Ottawa Valley Chapter President 2003-2004

TECHNICAL SESSION: REFRIGERATION SYSTEM COMPONENTS

Topic: An in-depth presentation of the various components in a refrigeration system. Evaporators, condensers, expansion valves, filter-driers, sight glass, solenoid valves, access ports, etc. will all be discussed. This presentation is aimed primarily at junior engineers and designers, but all are welcome and all will benefit from this presentation.

Speaker: Joel Primeau, Account Manager, Trane Ottawa

Place: Capone's Banquet Facility, Nepean Sportsplex, 1701 Woodroffe Ave, Nepean

Time: 16:30

AIR CONDITIONING VENTILATION AIR CLIMATE



1500 STAR TOP ROAD
OTTAWA, ONTARIO K1B 3W8

DANNY DILLON
VICE PRESIDENT E-mail: danny@dfo.com

TEL: 741-7731
745-3613
FAX: 741-9962



Goodkey, Weedmark & Associates Limited
Consulting Engineers

Ross J. McIntyre, P.Eng.
Principal, Designated Consultant
Mechanical Engineer

1749 Woodward Drive, Ottawa, Ontario K2C 0P9 Canada
Telephone: 613-727-5111 Fax: 613-727-5115
Email: rossmc@gwal.com



Rod Lancefield, P.Eng.
Branch Manager

889 Lady Ellen Place, Ottawa, Ontario K1Z 5L3
Tel: (613) 728-7400 Cell: (613) 851-1997 Fax: (613) 728-8032
Email: rodl@hwseng.com Toll Free 1-888-280-8544



HUGH WILLIAMSON ASSOCIATES INC.
Acoustics, Vibration and Noise Control

Hugh Williamson, Ph.D., P.Eng.
12 Maple Lane, Ottawa, ON, K1M 1G7

Phone: (613) 747 0983
Fax: (613) 747 4514
hughwilliamson@sympatico.ca
<http://www3.sympatico.ca/hughwilliamson>

InAIR Environmental Ltd.
Indoor Air Investigations and Research

Gemma Kerr, Ph.D.
Partner

1390 Prince of Wales Drive, Suite 503,
Ottawa, ON K2C 3N6
Phone: (613) 224-3863 FAX: (613) 224-2561
E-mail: inair2@mail.cyberus.ca



Quebec / Ontario / Manitoba

Maurice Lachance

Dynamic Air Cleaners Inc.
1313 Cour du Grand-Chêne Est
Ottawa, Ontario, Canada K1A 5H9
(613) 833-1520 Fax (613) 833-1775
page1 (613) 566-8245
TOLL FREE 1-800-607-8892

<http://www.dynamicaircleaners.ca> e-mail: mlachance@dynamicaircleaners.ca

TABLE TOP DISPLAY

Brian Eustace of Walmar will be on hand along with Elliott Picken of M.K.Plastics for our tabletop presentation at the October ASHRAE meeting. M.K.Plastics is a manufacturer of corrosion resistant FRP fans.

Please contact Gary Hartmann at 728-0060 regarding future tabletop displays.

ASHRAE OTTAWA VALLEY CHAPTER MEETING LOCATION

Our meeting location is **Capone's Catering** at the Nepean Sportsplex, 1701 Woodroffe Avenue, Nepean. We meet in the "Richmond Room". Enter Capone's from the rear of the Sportsplex at Entrance #4. Parking is available at the rear.

Make sure you lock your car and bring your valuables with you.



Longhill Energy Products (Eastern) Ltd.
15 Capella Court, Unit 111
Ottawa, ON K2E 7X1
Tel: (613) 226-3896
Fax: (613) 226-3715
Email: chrish@longhillenergy.on.ca

CHRIS HARRISON

the energy conservation people



Christian Caron, eng.
Applied Systems and Commercial Regional Manager
YOKE, MAMMOTH and VENTROL

Le Groupe Master Ltd
REFRIGERATION & AIR CONDITIONING
1250, Old Innes Road, Unit 522
Ottawa, Ontario
K1B 5L3

(613) 741-4455
FAX: 741-5393
CELL: 794-4872
1 (800) 627-4768
ccaron@master.ca

www.master.ca



www.keeneng.com

James S. Mills, P.Eng., Ing.
Associate
IET/Professional

Keen Engineering Co. Ltd.
253 St. Patrick Street
Ottawa, Ontario K1N 5A4

Tel: 613.225.8414 Fax: 613.241.0151
Cell: 613.447.2013
E-mail: jm.mills@keen.ca

METHOT
THE HEATING SPECIALIST

www.methot.ca

Michael McNamara, P. Eng.
Eastern Sales Manager Ext. 27
michael.mcnamara@methot.ca

Tel: (905) 850-3037
Fax: (905) 850-8013
Tel: 1-800-638-4682
Cell: (416) 966-7822

QUEBEC **ONTARIO**

1060, boul. Michèle-Bohec, Suite 101
Blainville, Québec J7C 5E2

2, Director Court, Suite 107
Woodbridge, Ontario L4L 3Z5

Modern  Niagara
GROUP INC.

John R. McAninch, P.Eng.
CEO

85 Denzil Doyle Court
Kanata, Ontario K2M 2G8
Tel: (613) 591-7505 Fax: (613) 591-1523
E-mail: jmcainch@modernniagara.com

 THE CAPITAL GROUP

• Capital Air •
• CA Mechanical •
• CA Electric •

KEN BOYD
PRESIDENT

9 Antares Drive, Ottawa, ON K2E 7V5
Tel.: (613) 225-0140 • Fax: (613) 225-6804
Web Site: www.capitalgroup.ca • E-mail: kboyd@capitalgroup.ca

TEGA

October is TEGA month. Your TEGA committee will be beginning its formal activities shortly. We are always looking for fresh legs; so if you're considering joining a committee, please give us a ring.

Early in the new year, we will be seeking nominations for TEGA awards and we hope many of you are already thinking about this. This is a great opportunity to showcase Ottawa engineering know-how. Past winners of the chapter awards have gone on to win regional awards as well as Society awards. The process to enter a project is very simple by design. There are awards for residential, commercial and institutional projects. It's very easy to enter.

Our technical library located at the OCA on Bronson Avenue continues to grow. If you have old manuals or standards that you don't need, let Niraj Chandra (PWGSC) know and he'll be happy to add to our collection. Don't be shy either, go visit it! And tell the contractors about it; they don't typically have access to these standards, but in Ottawa, they do!

A new focus of our committee this year will be the review of chapters of ASHRAE manuals. Every year, as you know, the manuals are updated. We have many bright local people in our industry and we want to tap into this experience and knowledge. To this end, we will be organizing mini-committees to review certain chapters of the manual. Each member of these mini-committees will read the chapter and offer his/her comments on the chapter's content, appearance, structure, etc. Your TEGA committee will collect and tabulate the comments and forward them to ASHRAE. We are hoping to review 5 to 10 chapters using mini-committees of 4 to 6 people. And if you end up as a committee of 1, we'll gladly forward your comments to Society as well.

We will also endeavour to approach our colleagues in government to entice them to come to our meetings. We used to have a healthy contingent of engineers, designers, and facilities managers from government and their numbers have dwindled to a handful. We have great programs and we need to have more public servants attend our meetings. We are open to suggestions; any ideas to increase attendance from this group will be welcome.

Joel Primeau
TEGA chair

BUSINESS CARD ADS

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will appear in the electronic and printed version as well as on the Chapter website.

Cost is \$225.00 for the year.

Contact Rod Lancefield, rod@htseng.com, 728-7400

SIEMENS

Siemens Building Technologies, Ltd.

2435 Holly Lane
Ottawa, Ontario K1V 7P2

Tel: (613) 733-8788
Fax: (613) 733-4888
jack.taswars@sbz.siemens.com

Jack Taswars
General Manager

SMITH AND ANDERSEN
CONSULTING ENGINEERING

David Eastwood, P.Eng.
Partner

Office 613.230.1186
Facsimile 613.230.2598
david.e.a@on.aibn.com

TOTAL
HVAC

Adam Beales
Principal

Total HVAC Inc.
29 Cleopatra Drive
Nepean, Ontario
Canada, K2G 0B6

Tel: (613) 723-4611
Fax: (613) 723-4677
Res: (613) 825-7319
Cell: (613) 223-2112
Email: adam@totalhvac.com

Guy H.J. Bourbonnière P.Eng.
District Manager




Trane Ottawa
1024 Morrison Drive
Ottawa, ON K2H 8K7
Tel: (613) 820-8111
Fax: (613) 820-1414
ghbourbonniere@trane.com
www.traneottawa.com



ROY & ASSOCIATES
ELECTRO-MECHANICAL CONSULTANTS INC.



Daniel Roy
P.Eng., P.A.Sc.
President

101 DES SABLES
DATIENAU, QC J8P 7C7
P.O. BOX 8033, CSD T
OTTAWA, ONT. K1G 3B8
TEL: (819) 643-3944
FAX: (819) 643-3959
CELL: (613) 276-8838
E-MAIL: droy@royassocinc.ca
WEB SITE: www.royassocinc.ca



WALMAR www.walmart.net

24 Gurdwara Road
Nepean, Ontario
K2E 8B5
Tel: (613) 225-9774
Fax: (613) 225-2972

RANDY CAVILL, C.E.T.
President
e-mail: randy@walmart.net

VENTILATION & FILTRATION PRODUCTS

WHAT YOU MISSED

Program: Healthcare Food Services (HFS) Design Build
Speaker: Marc Chiasson, Mechanical Engineer and Project Manager - Genivar Consulting Group in Ottawa

Mr. Marc Chiasson described the Healthcare Food Services plant, located at 1010 Dairy Drive. He informed us that the Canadian Food Inspection Agency (CFIA) protects the quality of food, but there are no standards for food processing. CFIA's main focus is animal health, processing and quality, where it has established standards. With the need for just in time food processing, large food processing facilities such as this are required. Mr. Chiasson presented various aspects of the design, as below:

- Standards
- Design Guidance

Mr. Chiasson described the advantages of design build and informed of the main requirements of the design, including: Cleanliness, Air Flow, No Insects, Sanitary Hygiene, and Low Contamination risks. He described the high cost of the facility and of the ice building for food freezing using a Simco plant and steam for heat.



VAN FORT

ERIC VAN BENSCHOTEN
35 LE ROY STREET, DAINVILLE, QUÉBEC
CANADA J0V 1G6
Tel: (819) 246-1168
Fax: (819) 246-2750
Profil: 8524

vanfort@vanfort.ca



R.J. McKEE
ENGINEERING LTD.
CONSULTING ENGINEERS

Jim Siciliano, P. Eng.
Partner - Mechanical Section Head

1785 Woodward Drive
Ottawa, Ontario, Canada K2C 0P9
(613) 723-9585 Fax: (613) 723-9584
Email: jhsic@rjmeng.com



Steve Clayman
Agent for Knauf Fiber Glass GmbH

Knauf Fiber Glass GmbH
100 University Avenue, Suite 702 Box 128, Toronto, Ontario M5J1V6
Direct: (416) 593-4322, Fax: (416) 586-0481
Voice: (800) 825-4434 *8216, E-Mail: steve.clayman@knauffiberglass.com
www.knauffiberglass.com



Nicolaos Haitas, P. Eng.
President

X-L-AIR ENERGY SERVICES LTD.
CONTRACTOR

www3.sympatico.ca/x-l-air Tel: 613-839-1708
x-l-air@rogers.com Fax: 613-839-1803

