



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 2002

PROGRAM

DATE: October 15, 2002

THEME: Research

PROGRAM: RECENT ASHRAE/NRC SMOKE MANAGEMENT RESEARCH - ATRIA, MALLS, PLENUM CABLES AND DUCT SMOKE DETECTORS

OVERVIEW: In recent years, NRC has conducted research projects sponsored by ASHRAE to address issues related to smoke management in buildings. This includes projects to investigate the effectiveness of smoke exhaust systems in atria, sprinklered fires in retail malls, the impact of communication cables in return air plenums and issues related to the application of duct smoke detectors. This presentation will provide an overview of selected projects focusing on the issue that was addressed. The presentation will include a discussion of smoke management issues, the methods used in the research and the potential impact of the research.

SPEAKER: Dr. Gary Lougheed, Fire Risk Management Program
National Research Council of Canada

Dr. Gary Lougheed is a Senior Research Officer in the Fire Risk Management Program, National Research Council of Canada. He holds a Ph.D. in Physics from the University of Toronto and has more than 26 years research experience in experimental high temperature gas and fluid dynamics and in small- and full-scale fire testing with NRC. Present research activities are directed at smoke movement and smoke management in high-rise buildings and atria. He is Vice-Chairman of ASHRAE TC 5.6, Fire and Smoke Control and a member of the NFPA Smoke Management Committee.

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

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

MENU

Black Bean, Chick Pea & Avocado Salad, Chicken Madeira, Potato Croquette & Seasonal Mixed, Vegetable, Spiced Pumpkin Cake with Cream Cheese Frosting

2002 -2003

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TBA

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PRESIDENTS MESSAGE

October. It is the time of the year again when we prepare our garden for next year bloom. How fitting that is for this month theme to be Research. Sometimes, it is not obvious how some rather esoteric research will be useful or even applicable to our daily professional needs. However, I firmly believe that investment in ASHRAE Research is of tremendous use to us , practitioners in the HVAC industry, and that Research and its results have made our Society a world wide recognizable name. It is only with your help and contribution that we can maintain this kind of leadership.

The technical session has been planned to give our members an insight into the world of ASHRAE Research, from the researchers to the Society Long Term Research Goals. The evening program is on the same theme with Smoke Control Research by the National Research Council of Canada.

I look forward to seeing you at our October Meeting.

Lan Chi Nguyen Thi, P.Eng.

Technical Session –

TIME: 16:30 , Capones

TOPIC: A panel discussion by the following three individuals on the Research Process for ASHRAE projects...

Presenter #1

Dr. Gary Lougheed Ph.D., Senior Research Officer in the Fire Risk Management Program of the National Research Council of Canada.

Dr. Lougheed's will present the process of winning and conducting an ASHRAE research project.

Presenter #2

Dr. Carolyn Kerr Ph.D., Partner InAIR Environmental Ltd.

Dr. Kerr's will present ASHRAE Research - From idea to Standard document. The presentation will outline how ASHRAE's Technical Committees (TCs) develop research project ideas and tender documents, how projects are managed, and how the results are incorporated into ASHRAE documents.

Presenter #3

Darryl Boyce, P.Eng. Director of Physical Plant, Carleton University, Director at Large, ASHRAE

Mr. Boyce's point of view for the technical session will be a high level overview of ASHRAE research process.

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TABLE TOP DISPLAY

The October table top will be presented by **WALMAR Ventilation Products** and will feature **Variable Frequency Drives from ABB Drives**.

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For future tabletop presentation please contact Gary Hartmann @ Breck-Mar Sales Ltd.
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What You Missed

September's OVC Meeting was a great start to this year's program. Mr. Don Rasmussen, of the law firm Rasmussen Star Ruddy, gave an informative technical session on contract tendering. The evening's main program, presented by Mr. Réjean Chartrand of the City of Ottawa, gave a very insightful glimpse into the City's new Strategic Delivery Unit that will be used to proactively implement strategic private-public partnership initiatives (P3s). Hope to see you at October's Meeting.

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 available at the rear.

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RESEARCH PROMOTION 2002/03

The ASHRAE Ottawa Valley Chapter gratefully acknowledges the receipt of research contributions for the 2001-2002 year. Mike Swayne and his committee were able to raise \$16,717, exceeding last year totals. Congratulations to all!

Research contributions by individuals of \$ 100 CDN or more and corporate contributions of \$ 150 CDN or more will qualify the donor to receive a commemorative coin presented at the Chapter meeting. The Chapter will be presenting the coins to last years participants at October's meeting. In addition, Investors for 2001-2002 will be recognized in the Society Journal - ASHRAE Research Investors Honour Roll. The Ottawa Valley Chapter also recognizes all contributors to the Research Promotion campaign by posting their names on the OVC website http://www.ashrae.ottawa.on.ca/ashraeoc_donors.

A few facts about ASHRAE Research:

- All funds raised in Canada go towards ASHRAE Research Canada.
- Canadian companies receive more funds per society member than our American friends.
- Canadians are recognized as leaders in research.

Why not participate and contribute to the future of our industry.

The Chapters goal this year is to raise \$17,553. I look forward to the challenge and your support. Please contribute to ASHRAE Research Canada.

Frank Bann
Research Promotion Chair 2002-2003
Tel: 727-5111, Fax: 727-5112
fbann@gwal.com

STUDENT ACTIVITIES

With the start of the new school year, activity planning has started at the student branches of the University of Ottawa and Algonquin College. Visits are being arranged for the Cliff Street Heating Plant and the Corel Centre for the fall. Possible tours for the spring include the Chalk River Nuclear Research Facility.

Sponsoring

We are presently looking for additional "sponsors" for our student members. A "sponsor" would typically pick up the member(s), pay for their meal(s) and generally make them feel comfortable at a monthly meeting. This was arranged by some of us in the past and was found to be very beneficial. Please contact me directly if you are interested in being on our "sponsors" list.

Donating Old ASHRAE Handbooks

If you are interested in making a donation to a Student Branch, please contact me directly to make arrangements. We had several handbook donations last year. These are very much appreciated. Thank you.

Patric Renault email: patric@dilfo.com
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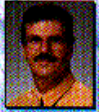
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Golf Tourney Recap

The 2002 ASHRAE Ottawa Valley Chapter annual golf tournament was held August 29th at The Meadows Golf and Country Club. This year we had 160 participants. Good weather, good food, good friends and lots of good fun.

Approx. \$1800.00 was raised for ASHRAE Research (Canada). Congratulations to the winning team from Walmar Ventilation (Randy Cavill). Thanks to all participants for making this another successful event and a special thanks to all those who donated to the prize table. Hope to see everyone again next year.

Peter Nabi



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