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ASHRAE
NB PEI CHAPTER



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This month's meeting is scheduled for **June 9th** at **City Grill**, 120 Westmorland Street, Moncton. The topic of this meeting will be **Indoor Natatorium Design and Energy Recycling** delivered by **Tony De Santis, Eng**, Eastern Regional Sales Manager for **Dectron Internationale**. A social hour will begin at 5:00 PM with a cash bar, followed by the presentation at 6:00 PM and Dinner at 7:00 PM.

A reminder to the Executive, Board of Governors, and the Committee Chairpersons that the executive meeting will start at 3:30 PM at City Grill.

NBCC Edmundston Scholarship



From left to right, Maurice Chiasson HVAC/R Instructor, Marco Morneau receiving the scholarship and Justin Beaulieu from Beaulieu Plumbing & Mechanical.



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Frédéric R. Desjardins,
 P.Eng., LEED® AP
 Mechanical Design Engineer

Toronto Winnipeg Vancouver Ottawa Moncton Saint John

June Meeting Overview:

Tony De Santis has been active in the HVAC domain since 1988. As a former graduate of Concordia University's Building Engineering program (HVAC specialization), Tony is also a member of the OIQ (Quebec Order of Engineer's) for the past 18 years. From 1988 until 1996, Tony has worked in numerous mechanical consulting firms in the Montreal area. He specialized in the design of electro-mechanical HVAC systems for commercial and industrial buildings.

In late 1996, Tony made the transfer to manufacturing by joining Dectron Internationale. He is Dectron's Eastern Canada's Regional Sales Manager covering Ontario, Quebec, as well as the Maritime provinces. His prime interest and function is to assist the network of local distributors and representatives in the design, application and sales of mechanical dehumidification equipment. The use of this equipment is mainly for indoor natatoriums, ice rinks, make-up air, and commercial-industrial markets.

Tony's presentation will cover the following topics:

- Quick Review of Psychometric properties of Air
- ASHRAE Natatorium Design Conditions
- Dew point & Condensation Control
- Pool Water Chemistry
- Dectron Rule (ASHRAE Standard 62, ductwork design, etc)
- How a mechanical Dehum works (Thermal Flywheel concept)
- Alternate Green Refrigerants (R-407c, R-134A, R-410A)
- ARI Standard 910 (MRE = Moisture Removal Efficiency)

Summary of May Meeting

For our May meeting, Steve Fecica, the Eastern Regional Manager for MGI Technologies Inc. gave a presentation on Variable Frequency Drives (VFDs) and Motors in the HVAC Industry. The presentation looked at energy conservation, Affinity laws, and typical VFD applications (pumps and fans). The history of VFDs over the last 25 years was discussed, including the advancements with respect to the evolution of power devices, microprocessor power, and network communications. Also discussed were the problems experienced with VFDs since they first entered the industry, in particular Harmonics, and how these problems have been addressed. The employing of high efficiency motors throughout the HVAC industry was also discussed.



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 Senior Project Engineer

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ASHRAE NB / PEI – 2009 GOLF TOURNAMENT

Registration Required by July 25, 2009

- Where:** Moncton Golf and Country Club / Elk's Club Moncton - Riverview, New Brunswick
- When:** Thursday, August 6, 2009 (rain or shine), 12:00 Shotgun start – Please arrive one hour early
- Format:** Team Scramble (3-4 man), One person on each team to be an ASHRAE member (teams without an ASHRAE Member will be placed on a waiting list)
- Cost:**
- | | | | |
|---|---------|--------------------|----------|
| Members – Green fees, Cart, Steak, Lobster..... | \$80.00 | Non-members: | \$130.00 |
| Members – Green fees, Cart..... | \$50.00 | Non-members: | \$40.00 |
| Members – Meal Only | \$40.00 | Non-members: | \$60.00 |

* Note: Any ASHRAE non-member who registers for this tournament and signs up to be an NB/PEI Chapter Member by September 30th, 2009, will receive a rebate of \$50 on their paid membership dues.

A Non-Refundable deposit is required for one-half of the above fees by July 25, 2009.

Full amounts must be forwarded to: ASHRAE NB/PEI, PO Box 1629, Moncton, NB, E1C 9X4

Registration is required by July 25, 2009. Space is limited.
Please make cheques payable to: ASHRAE NB/PEI Chapter.

Please arrive at least one hour prior to the shotgun start to sign in and enjoy a BBQ with proceeds going to Junior Golf.

Please consider this invitation as a request for donated prizes for the tournament.

Please advise Mr. Luc Dugas of planned donations. (Phone: (506) 388-3273/ Email: Luc.Dugas@enbridge.com)

We extend a special invitation to our neighboring Nova Scotia chapter and to our members and friends from Prince Edward Island. Please register no later than July 25, 2008 by faxing this form to:

Trane Atlantic Attention: Craig Brown Fax: (506) 855-3204 Email: CBrown3@trane.com

Please check only one

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Ken Goodwin
 Vice-President

6 Bayside Drive
 Saint John, New Brunswick
 E2J 1A2

Phone: (506) 633-1121
 Fax: (506) 632-1020
 Email: kengoodwin@jftaylor.ca
 Website: www.jftaylor.ca

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 506 862-1311 Direct
 506 858-5650 Fax
 506 381-7321 Cell

richard.mcarthur@honeywell.com

Letter from the President

As the 2008-2009 year draws to a close, I would like to take this opportunity to thank all of the members of the executive who helped to make the year such a success. I would also like to wish our incoming Board of Directors all the best in the year ahead. 2009-2010 Executive:

President: John Willden	Research Promotion: Dan Boudreau
President Elect: Robert McEwen	Student Activities: Patti Crouse
Vice-President: Dan Boudreau	Historian: Dwight Scott
Treasurer: Nicole Bourgeois	CTTC Chair: John Sparks
Secretary: Jennifer Chapman	Newsletter Editor: Yves Savoie
Membership Promotion: Kevin Clannon	Webmaster: Yves Savoie
Board of Governors:	Luc Dugas, Fred Desjardins, Gerry Waselynychuk Craig Brown, Mathieu Breau, Richard MacArthur

We had an interesting variety of programs this year, which included:

September:	Tour of the Moncton Hospital Ambulatory Care Unit
October:	Tour of the Molson Brewery
November:	Seismic Restraints
December:	Past President's Night/Christmas Party
January:	Solar Thermal Water Heating
February:	Copper Fin Boilers
March:	Refrigerants
April:	Dist. Lecturer Robert Bean: The Human Factor in HVAC
May:	Variable Frequency Drives and Motors in the HVAC Industry

In January, we helped promote a day-long seminar on Solar Thermal Water Heating, which expanded on the presentation of the topic presented at the January meeting. We also had several social events throughout the year, including a successful golf tournament in August, even with the torrential downpour, as well as an afternoon outing at a Moncton Wildcats hockey game in February.

This year, we also created a new Student Branch at the NBCC Moncton Campus, and restarted the Student Branch at the NBCC Saint John Campus. The NBCC Moncton Student Branch hosted two tours throughout the year, including a tour of the Kent Hills Wind Farm during construction in September, and a tour of the Mactaquac Hydroelectric Dam near Fredericton. We were also able to recruit 38 new student members.


Overall, our current membership has jumped to 115, which does not include the student members mentioned earlier.

This month we will be hosting our final event of the year, a presentation from Dectron on Dehumidification. A special meal will follow to close out our year. I look forward to seeing you there.

And a final reminder, don't forget to register for the golf tournament soon, for the annual **Golf Tournament on Thursday, August 6, 2009**. It's always a popular event and fills up quickly.

Sincerely,

Dan Boudreau



Damien Monk, CET
 Technical Sales Representative

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Gary Hoadley
 P.Eng.

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 hoadley@hoadeng.ca



Luc Dugas, P. Eng./ing.
 Energy Management Consultant
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