

ASHRAE Ottawa Valley Chapter

Chapter Meeting # 2 October 18th, 2005 (5:30pm)



Meeting Date: Tuesday, October 18th, 2005
Location: La Contessa Banquet Hall, 156 Cleopatra Dr., Nepean, ON
Presiding Officer: President: Jay Doshi
Attendance: Total: 70 Guests: 33 Students: 15
Theme Night: TEGA/Student Activities
Technical Tour: Bell Sensplex
Table Top: Carrier Centurion, Exhausto
Program: Engineering the Modern Ice facility
Speaker(s): Hugo Barabe (CIMCO), Marc Chiasson (Genivar).

Prepared by: Glenn MacLean – October 31st, 2005

Technical Tour: (4:00 – 5:00)

Prior to the meeting, there was a tour of the newly completed Bell Sensplex. This facility is situated in Kanata just down the road from the Corel Centre. Members and students were treated to a tour of the 4 ice pads, and one soccer field facility. With state of the art design and energy recovery systems this truly will be a community showpiece for some time to come. Stephen Coghlan of Algonquin summarized the tour for those of us who could not attend.

Social (5:30 – 6:30)

Business Session (6:30 – 6:40)

- Jay Doshi opened the meeting and welcomed members, guests and students.
- Francois Belair introduced the guests and students.
- Jay introduced the BOG, then broke for supper.

Dinner (6:40 – 7:30)

Business Session-Continued (7:30 – 8:00)

- Chris Fudge was introduced to start the remainder of the business session and updated the chapter on student activities to date. After introducing the Student Activities Committee, Chris also challenged the students to think about planning to attend the Chicago ASHRAE meeting in January. The chapter and society are willing to contribute to helping the students with costs, but the desire and the planning will have to come from the students.
- Tim Mah was introduced to speak to the members about TEGA, in Niraj's absence. As an employee of one of the government departments Tim has expressed an interest in working with ASHRAE to increase interaction between ASHRAE and the various government departments. TEGA also has plans to expand our local library, and submit several reviews of the various chapters in the ASHRAE Handbooks. Tim, on Niraj's behalf, also requested greater participation from the chapter members to help TEGA achieve their goals.
- The table top presenters were invited to summarize their displays and members were encouraged to visit the various displays during the break.
- Jay also introduced our new Program Chairperson Jason Alexander, and thanked Jason for his work to date.
- Christine Kemp, our Membership Chairperson, gave an update on the newly joined members, and encouraged all in attendance to work towards finding new members in their various areas of work.

- Jay gave an update on the Chapter's activities at the CRC held in Grand Bend this August. Cathy Godin was congratulated for her efforts as President in the previous year and the awards received were reviewed.
- Jay also introduced some of the planned seminars for the New Year, in particular: Boiler Room Design – scheduled for January; Lab Design – scheduled for February; and Interoperability – scheduled for March.
- Members were also reminded of the opportunity to advertise in the Communiqué and on the website through the Business Card ad program. Interested parties were instructed to contact Rod Lancefield or Rod Potter.
- Glenn MacLean thanked the students for attending and requested members step forward to sponsor the students for their meals for the evening.
- With no further business from the floor, Jay invited the members to take a brief break and return for the evening program.

Evening Program (8:15 – 9:15)

Program: Engineering the Modern Ice Facility
 Speaker: Hugo Barabe and Marc Chiasson

Jay introduced the evening speaker.

Hugo describe the various processes used in their 'Eco-Chill' system. The system was devised as a means of reducing greenhouse gas emissions by lowering energy consumption and ice rink facilities.

Historically ice plants rejected waste heat to atmosphere and consumed extra energy for the various other systems: domestic hot water, make up air, snow melting, etc. Now the heat of rejection from the compressors is recaptured and used to pre-heat make up air, domestic water and used in the snow melting pits. Numerous other highlights and features of the system were described, including the use of Ammonia as green refrigerant and the possibility of adding 'Ice Batteries' for off peak chiller operation to reduce demand based electrical consumption.

Marc Chiasson gave the design philosophy of the complex and explained some of the value-added features built into the facility. Marc also described how the general philosophy of energy recovery was optimized by looking at the scheduling of various activities in the facility. Mark also spoke briefly about the funding plan (P3) and some of the grants that have been applied for (CBIP, etc).

- Jason Alexander thanked our guest speaker for his presentation and presented him with a gift.
- Jay thanked all for attending and announced the next meeting theme was Fuel Cell Technology and that the meeting would be held on November 15th.
- With no other business at hand, Jay adjourned the meeting at 9:15pm.

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