

# ASHRAE Ottawa Valley Chapter

## Chapter Meeting #8 – 21 May 2019

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Meeting Date:	21 May 2019		
Location:	Centurion Conference & Event Center, 170 Colonnade Rd, Ottawa, ON		
Attendance:	Total: 94		
	Members: 71	Guests: 20	Students: 3
Theme:	History		
Tour:	None		
Tech Session:	None		
Table Top:			
Program:	Centre Block Rehabilitation		
Speakers:	Martin Sing		
Prepared by:	Adrienne Mitani		

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### **Social** (17:30 – 18:25)

### **Business Session** (18:25 – 19:45)

- President Daniel Redmond welcomed everyone and gave the call to order. He then thanked all of the Past Presidents and volunteers who have worked to make our chapter so successful.
- President Daniel Redmond introduced the Board of Governors and the Executive,
- Secretary Adrienne Mitani introduced the guests.
- Membership Promotion Chair Andrew Brown introduced the new members to the Ottawa chapter.
- President Elect Aaron Dobson spoke about ASHRAE research, there were two raffle tickets on the North Stands, and two tickets to another Ottawa Red Blacks game. All money goes to ASHRAE research, this year we have raised \$34,300 which meets our goal. A big thanks to all of the chapter support and donations, and the Research Promotion committee.
- Past President Adam Graham presented about the ASRHAE Best Ball Golf tournament coming up June 25<sup>th</sup>, starting at 11am with lunch provided and a noon shotgun start. Sponsorships were still available.
- The one tabletop this evening was for Enviroair, which Michael Lallemand presented the Nimbus Advanced cooling adiabatic cooler manufacturer.
- History Chair Ryan Dickenson presented about the evening's theme of History. He spoke about the digitalization project the chapter has been undergoing of archived VHS tapes and the video tabletop that was on the site this evening. He then invited the eighteen past presidents in attendance to come up for the traditional Champagne toast presented by Past President Cathy Godin.
- Nominations Co-chair Abbey Saunders presented the awards for Company recognition plaques, the Chapter Student Award to Jayson Bursill and award to Chapter Excellence to Jacob Hough.

- Past President George Carscallen spoke briefly about the history of the chapter and shared a story about a past ASHRAE Carrier trip down to the US.

Business Session Finished at 18:35 pm

***Dinner*** (18:35 – 19:45)

- Dinner served at 18:35 pm
- Dinner was an roast beef with potato and vegetables.
- Dessert was cake served with a choice of coffee or tea.

***Evening Program*** (19:45- 22:10)

- Evening program started at 19:45pm
- The business session continued with President Daniel Redmond spoke about the past year and the vibrancy of our Chapter, and thanks to everyone for their support.
- Nominations Co-chair Steve Moons installed the new Chapter Executive and Board of Governors for the 2019-2020 Chapter year. President Aaron Dobson, President Elect Adam Moons, Treasurer Adrienne Mitani, and Secretary Ryan Dickinson. Board of Governors will be Jacob Hough, Celine Baribeau, Peter Shaw Wood, Joe Della Valle, and Mike Swayne.
- President Aaron Dobson gave is presidential speech, thanking volunteers, looking back at the highlights of the year, including distinguished lecturers, ASHRAE Society Presidents, the Scholarship endowment funded and awarding our first Chapter Scholarship. He recognized our dedicated base of volunteers that make the Chapter what it is. Then looking forward to what we will be going in the year ahead. He then presented certificate and pin to now Past President Dan Redmond. He spoke about how he got involved with ASHRAE, at an ASHRAE Career fair in 1993, as a recent graduate attended a May meeting and found it very inclusive.
- Tickets were raffled off for research promotion, with \$840 was raised. Tickets were chosen by Martin Sing.
- President Aaron Dobson introduced Martin Sing of WSP.
- Martin Sing spoka bout the Center Block project called Centrus which is a joint venture of WSP and HOK to renovate the Canadian Seat of Government, which has been in need of modernization. The project will look at the historical restoration, seismic requirements as well as include a new visitor and welcome center.
- The project will be an ILPD which includes the Integrated Project Delivery with Lean Construction to bring together all of the stake holders in the project:
  - o Client: Government of Canada
  - o Design: HOK + WSP
  - o Construction Manager: PCL +Ellis Don in a joint venture
- This includes over 400 people and will include up to 1000 people at the peak, not including trades. This has led to the creation of three project offices for those working on the project to be working in the same space together, with ongoing workshops.
- Projects within this process in order to be able to work in the space has included the creation of offices to move people to, moving portions of the Library of Parliament, as well as the Books of Remembrance, a temporary loading dock, heritage conservation of items that need to be stored as well as restored. Another project is an Environmental

site assessment to understand the impacts on land, water, and local ecology with construction and modifications.

- Archeological projects will also need to be taken as areas are excavated and anything is found that needs to be identified and preserved.
- The Centrus project will use BIM for the existing building using laser scanners for survey the site, as well as develop an entire building model to be used for building life cycle analysis.
- Investigations are also being taken into the building envelope condition, including thermographic scans, exterior element conditions, determining existing building elements, and historical artifacts to be preserved.
- The schematic design process will include developing the functional program for the client, determining the design criteria, and using a programmed algorithm to help develop iterations.
- Structurally one of the biggest challenges will be a seismic upgrade to the building, of which different options are being explored.
- Mechanical and Electrical are starting the schematic process with studies on ventilation and cooling for the building. Currently only 40% of the building is ventilated, with the majority use windows for any ventilation.
- Many considerations will need to be taken into account to add ventilation and modern thermal control, which take into account the historical elements and structure.
- There are also efforts to incorporate sustainability to showcase leadership by the government to lead the way to energy efficiency and carbon neutral profile. Certification is not the primary goal, however it will also be explored.
- He spoke about the history and cultural significance of the building, including the experience of entering and navigating the space and both the political and public spaces.
- President Aaron Dobson thanked speaker and presenting a gift of a commemorative coin to Martin Sing
- The attendees were reminded of the survey which will be emailed after the meeting, and a reminder that there was no meeting next month.
- The next meeting will be in September with the location to be announced.

**Meeting adjourned 22:15 pm**