BECOR
Building Envelope Council Ottawa Region

PRESENTERS (to date):

Gregory E. Clunis, P.Eng. - Integral DX Engineering Ltd..
BRAG: Mitigating Noise Transfer Between Floors
Greg will discuss a project that was to assess and mitigate noise transfer between an upper/lower unit pair, via the (commercial-grade hollow) window mullions that spanned between the units. He and Pier-Gui Lalonde (lead on the project), were able to develop and implement a solution to be applied only in the receiving (complaining) unit which achieved a significant audible improvement (reduction) in noise transfer.

George Torok, Senior Building Science Specialist - Stantec
BRAG: Heat Tracing System For Condensation Control on Sliding Doors
What do you do if condensation on window frames is a problem? 'Lifestyle' mistakes by the building occupant is the usual first answer: too hot, too humid, poor operation of HVAC, and OMG they installed blinds or curtains or some other window covering. Easy answers that ignore the reality of how people live in buildings. If 'lifestyle' fixes are enough, rip and replace but that costs money and adds to the climate crisis. Heat tracing is a middle ground – yes it requires resources and energy so it isn't a climate change free solution, but the product is retained, remains fully operational, and the problem is solved with less disruption to the building occupants. A short case study will be shown documenting installation of a trial heat tracing system on a sliding door assembly, including the results of monitoring to validate performance.

Sydney DeBenedictis, E.I.T., BSS – BPA (Building Sciences)
BRAG: Waterproofing of Feature Fountain at Museum of History
Sydney will discuss the fountain waterproofing replacement that was part of a larger podium waterproofing project at the Canadian Museum of History. This project addressed ongoing water infiltration problems into the occupied museum spaces below the outdoor feature fountain. Sydney and Andre Marcoux (the senior engineer on the project) were able to address the unique design challenges and develop a solution to provide a (flood tested) watertight solution for the Museum.

Jerry Hacker, Architect OAA, Founder of hACT, Assistant Professor,
Carleton University Azrieli School of Architecture & Urbanism
BRAG: Speculative Assemblies From Cattails to Coffee Grinds and Beyond
The planet is literally and figuratively on fire; there is an emerging epidemic of microplastics in the environment; and many building materials and methods remain enmeshed in complex, criss-crossing (often exploitative, relentless, and unforgiving) linearly derived supply chains. If we are serious about addressing these conundrums and imagining a post carbon future, now is the only time for a significant change in the way we build. Using actual material mock-ups and designs, Speculative Assemblies explores the underpinnings of biogenic design by asking what would happen if we demanded cold weather building envelopes: 1) Be designed for disassembly; 2) Be non-toxic; and 3) Use regenerative materials that sequester carbon, rejuvenate environments, and enhance human health and global biodiversity.