

## Format

Our approach will include the following elements:

1. Industry Presentations: During the BRAG session, industry representatives will deliver concise 10 to 15 presentations that showcase cool projects from their firms and display their expertise. This will be an opportunity to BRAG about their organization in the way that Jacques enthusiastically encourages.
2. Academic Showcases; Presenters from Algonquin, Carleton and Ottawa U will share an overview of their programs and feature notable student projects.
3. Enhances Networking; Dedicated networking sessions will encourage interaction between students and industry professionals, to explore potential pathways for collaboration and employment.
4. Clear Identification; Nametags will be provided to all presenters and students to support introductions and discussions. At the post-session portion, industry leaders will be situated at dedicated stations

## PRESENTERS:

**Steve Laviolette: Project Director, Building Sciences BPA Engineering**

**BRAG: To Save Money - Invest in Insulation**

BPA's building envelope group is currently working on a variety of rehabilitation projects across different building types and exterior cladding systems. B.E. rehab presents a great opportunity to improve energy performance and reduce greenhouse gas emissions by adding insulation. However, owners often focus on upfront capital costs, without fully understanding the potential long-term savings of added insulation. BPA's experience shows that even a modest investment in added insulation can deliver meaningful lifecycle cost savings, especially when the facade includes uninsulated exposed concrete. This presentation will touch on a variety of building envelope rehabilitation projects, while highlighting a cladding replacement that includes energy efficiency upgrades

**Matt Michaluk: Principal, Director - Building Sciences & Restoration, Keller Engineering**

**BRAG: Carleton Condominium Corporation No.143 – Cladding Renewal Project**

Keller Engineering is proud to brag about the recently completed successful Cladding Renewal Project located at CCC 143. The project took place over 4 years starting in 2022 with a total cost of approximately \$9.5 million. The scope of the work included the following:

- Abatement and removal of the existing pebble dash stucco
- Repairs to the exterior sheathing and existing wood framing members
- Installation of a combination of vinyl siding, fiber cement lap siding, and fiber cement panels
- Installation of new windows and patio doors throughout
- Installation of spray-foam insulation and new soffits within the carports
- Installation of new trek decking and drainage system on the front elevation second floor balconies
- Installation of new aluminum railing systems and divider walls
- Installation of new exterior wood decks and fencing
- Replacement of the asphalt shingle roofing systems
- Installation of new eavestroughing and downspouts
- Installation of new lighting, vents, electrical outlets etc.