

Half Day Workshop

Wednesday October 21st 2026

Noon to 5:00 PM



Salon B, Building D, Algonquin College, Woodroffe Campus

Thermal Envelope+

Thermal Envelope Workshop: Mastering Optimization Tools

Designing high-performance building enclosures has become a central challenge, and opportunity, for the design and construction industry. As energy codes tighten, climate conditions grow more extreme, and expectations for building durability and resilience increase, the thermal envelope plays a decisive role in determining whether buildings perform as intended. Thermal bridging can significantly undermine insulation effectiveness, drive up energy use, increase greenhouse gas emissions, and introduce long-term moisture and durability risks if not properly addressed.

In Canada's evolving regulatory landscape, meeting current and future code requirements is no longer just about nominal R-values or prescriptive details. Consultants, engineers, architects, and building scientists are increasingly expected to demonstrate compliance through whole-assembly performance, rigorous calculations, and optimized detailing. At the same time, design teams must balance thermal performance with constructability, cost, carbon impacts, and long-term resilience—making informed decision-making tools and consistent methodologies essential to modern practice.

Join industry professionals for a 3-hour technical workshop + networking cocktail event focused on designing durable, resilient, and energy efficient building enclosures that can meet **NECB 2025 today and prepare for net zero ready performance by 2030.**

Participants will learn to:

- Apply the methodology outlined in the Building Envelope Thermal Bridging (BETB) Guide,
- Utilize the **ThermalEnvelope.ca** online tools to comply to Canadian codes and standards, and
- To optimize building envelope performance.

The session will explore various insulation and cladding attachment options as well as the impact on carbon footprint and durability.

Participants are requested to bring their own laptops (and optional power banks), as we will be working