IIBEC- 24 January 2025 AGM Seminar
Italian Cultural Center
3075 Slocan Street Vancouver, BC

IIBEC President's Welcome	**8:00**	**Speaker**
Roofing and/or waterproofing over inadequate/wet substrates… bad idea	8:00-9:00	Guillaume Vadeboncoeur, WSP
Navigating Prompt Payment Legislation in British Columbia: Current Landscape & Industry Impacts	9:00-10:00	Chris Atchison, BCCA
Coffee and Sponsorship Break	10:00-10:30	
Adaptable Roofs for Agitated Wind Part 1	10:30-11:30	Dr. A. Baskaran, NRC
AGM	11:30-12:00	President IIBEC WCC
Lunch	12:00-1:00	Lunch
Adaptable Roofs for Agitated Wind Part 2	1:00-2:00	Dr. A. Baskaran, NRC
Coffee and Sponsorship Break	2:00-2:30	
Hazardous Materials in the Built Environment	2:30-3:30	Sean Douglas, Pinchin

DESCRIPTION OF THE PRESENTATIONS

Roofing and/or waterproofing over inadequate/wet substrates… bad idea

Learning objectives:

- Possible consequences of membrane installation over wet substrates.
- How to review/test adhesion.
- What to look for when reviewing the condition of substrates.

Navigating Prompt Payment Legislation in British Columbia: Current Landscape & Industry Impacts

3 learning objectives:

1. Assist attendees in understanding how the failure to enact Prompt Payment Legislation puts BC's construction industry at a competitive disadvantage**.**

2. Overview of the other provincial jurisdictions and how their Prompt Payment Legislation has impacted the construction industry
3. Recognise the key challenges and opportunities that arise from the implementation of prompt payment legislation for construction businesses.

Adaptable Roofs for Agitated Wind

This presentation will focus on the following 4 topics:
1: Wind vs Roof Design – For the entry level IIBEC membership, this part of the lecture will provide the dynamics of wind effects on roof and building code requirements.
2: Use of Wood as Decking Component: This latest R&D outcome from SIGDERS has two-folds: 1) What type of wood is acceptable to use as decking component in commercial roof applications? and 2) Wind uplift resistance data is available from a tested roof assemblies that had steel as decking component, then how the wind uplift resistance can be estimated for the same roof assembly by substituting the deck component from steel to wood without performing a full-scale testing.
3: Asphalt Shingles under Weather Shock: Over 80% of the North American residential (steep slope) roofs are covered with asphalt shingles. This third segment of the presentation covers a novel framework for a climate-dependent durability index that has been developed for performance-based classification of shingles.
4: Hands-on Demo: A side by side (Plate vs Chamber) demo on commercial roofs for field wind uplift diagnostics.

Hazardous Materials in the Built Environment Overview

This 1-hour presentation aims to provide a fundamental understanding of hazardous materials encountered during roofing and building enclosure work. The session is designed for professionals involved in construction, project management, and building restoration work, focusing on practical knowledge and the means to achieve regulatory compliance regarding safety at the workplace.

Learning Objectives
By the end of this session, participants will be able to:

1. Identify typical hazardous materials.

Recognize the most common hazardous materials that may be encountered during building restoration work; including asbestos (e.g. roofing felts, sealants, caulking, stucco, insulation), lead paint and silica.

2. Summarize applicable regulations.

Identify key regulatory requirements such as those under WorkSafeBC, including identification, safe work procedures, training, qualifications and air monitoring.

Understand how these regulations apply to the roles and responsibilities of the project team during roofing and building enclosure work.

3. Describe testing and reporting requirements.

Outline the process for identifying hazardous materials through site assessment, sampling and laboratory analysis.
Recognize the importance of clear documentation, including: assessment reports and their intended purpose.

4. Explain the remediation process.

Designing: Defining the scope of removal and risk mitigation.
Execution: Safe removal and containment of hazardous materials in accordance with regulations.
Verification: Conducting site reviews and testing to verify scope, compliance and safety.
Close-out Documentation: Final reports, including remediation details, test results, and verification certificates.

Presenters:

Guillaume Vadeboncoeur, P.Eng, LEED® AP, WSP Canada Ltd.

Mr. Vadeboncoeur is a Professional Engineer with over 20 years of experience in building science. Mr. Vadeboncoeur has a mechanical engineering degree. Mr. Vadeboncoeur is the building science Group Leader at WSP for the Fraser Valley and Southern Interior in British Columbia, Canada. He is also a project manager and a project engineer that has managed several building science projects that include building envelope remediations, building envelope condition assessments, roofing assessments, roofing replacement projects and wall monitoring. His expertise lies with knowledge of building envelope components, building science theories and ways to incorporate new technologies in construction. Mr. Vadeboncoeur attended Laval University and graduated with a diploma in Mechanical Engineering. Mr. Vadeboncoeur is a Past President for the Western Canada IIBEC Chapter and a past Vice-Chair of the ACECBC Building Engineering Committee.

Chris Atchison, President, BC Construction Association

President of the BC Construction Association (BCCA), Chris Atchison drives dynamic initiatives that introduce progressive and necessary change to industry while delivering value to all construction stakeholders across the province.

As President, Chris oversees many of the successful programs and strategic initiatives at BCCA, including Bid Central and Construction Month. Chris also leads workforce development

strategies for the industry, championing such initiatives as the Skilled Trades Employment Program (STEP), Apprenticeship Services, Integrating Newcomers (IN), Building Builders, and Builders Code. He is passionate about promoting the construction industry as a high opportunity occupation, with a place for everyone.

Chris drives advocacy initiatives, including lobbying government for the enactment of prompt payment legislation, lien reform, and adjudication to the benefit of BC's construction industry and economy. In addition, he is a staunch exponent of fair, open and transparent procurement practices.

Chris sits on several industry advisory boards, forums and councils, including:

- Deputy Minister and Industry Infrastructure Forum (DMIIF)
- National Advisory Council of Local Construction Associations for the Canadian Construction Association (CCA)
- Council of Construction Associations (COCA)
- Construction Foundation of BC (CFBC)
- BCCA Employee Benefit Trust (EBT)

As President of the BCCA, Chris is committed to moving the industry forward by maintaining essential relationships, modernizing policies, and embracing new technologies.

Dr. A. Baskaran, P.Eng, F. IIBEC, National Research Council Canada

Dr. Baskaran is a Principal Research Officer at the National Research Council of Canada. At the NRC, he is researching the wind effects on building envelopes through experiments and computer modeling. As an adjunct professor at the University of Ottawa, he supervises graduate students. As a professional engineer, he is a member of Roofing Committee on Weather Issues (RICOWI), IIBEC, ASCE, SPRI, ICBEST, and CIB technical committees. He is a Research advisor to various Task Groups of the National Building Code of Canada and member of the wind load committee of American Society of Civil Engineers. He has authored and /or co-authored over 250 research articles and received over 25 awards, including Frank Lander award from Canadian Roofing Contractors Association, Carl Cash Award from ASTM and recently elevated as Fellow of IIBEC. Dr. Baskaran was recognized by Her Majesty Queen Elizabeth II with Diamond Jubilee medal for his contribution to the fellow Canadians.

Sean Douglas, A.Sc.T., *National Practice Leader – Hazardous Materials, Pinchin*

Pinchin Ltd. is an environmental, engineering, building science, and health & safety consulting firm with over 800 staff in 40 offices in Canada.

Sean has 37 years of experience working in the asbestos and hazardous materials consulting industry. Sean's experience encompasses the identification, control and remediation of asbestos and hazardous materials for a diverse group of sectors (institutional, industrial, commercial, utility). This includes preparing asbestos assessment reports, management plans, remedial action plans, waste management plans, safe work procedures and abatement specifications.

Sean has an in-depth working knowledge of relevant regulations, codes and standards and frequently provides industry stakeholder input on regulatory policy updates and provides professional opinion and subject matter expertise on legal matters.