CanBIM

buildingSMART
the Canadian chapter of buildingSMART International

REGIONAL SESSION
Digital Innovation;
Driving Business Value in Design, Construction & Operation

VANCOUVER
February 6-7, 2019

Pinnacle Hotel Vancouver Harbourfront

1133 West Hastings Street

Vancouver British Columbia

V6E 3T3

#VANBIM19

Register

Digital innovation is fast becoming the corner-stone to driving business value in many design-construction-owner organizations. Whether digital innovation is enhancing, transforming or reinventing business models and operations, it is well established that investing in digital innovation is fundamental to success. Organisations across the real estate and construction supply chain - from owners to suppliers - are adopting digital strategies that leverage such disruptive technologies as cloud-based collaboration, IoT, automation/robotics, AR/VR, machine learning/AI, to improve productivity, quality and customer experience.

Our Vancouver Session will host technology leaders and senior management executives who are driving business value through adopting digital innovation strategies.
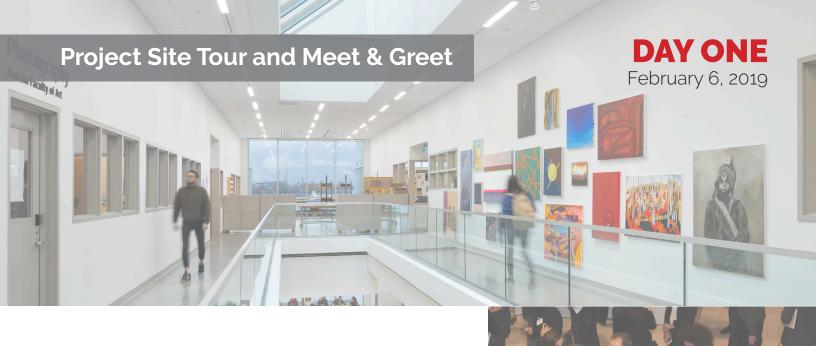
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CanBIM Project Site Tour
Emily Carr University of Art & Design
8:00AM-11:00AM
(Tour times subject to change, seating is limited and is first come first served)

CanBIM Tours include a project orientation and presentation prior to a guided tour.

EMILY CARR UNIVERSITY OF ART + DESIGN

BUSH, BOHLMAN & PARTNERS consulting structural engineers

Diamond Schmitt Architects

CanBIM Meet & Greet
Black & Blue Restaurant 1032 Alberni St, Vancouver, BC V6E 1A3
6:00PM-8:00PM

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Come kick off the Vancouver Regional Session at our Opening Meet & Greet. This is a great opportunity to connect with other conference attendees and colleagues in a casual relaxed atmosphere. Attire is business casual.

Event Fees

MEMBERS	NON-MEMBERS	STUDENTS	GROUPS (4 or more)
Tour $28	Tour $35	Tour $28	Tour $28
Morning Session $200	Morning Session $250	Morning Session $50	Morning Session $175
Afternoon Session $200	Afternoon Session $250	Afternoon Session $50	Afternoon Session $175
Executive "Eats & Meets" Dinner $125	Executive "Eats & Meets" Dinner $150	Executive "Eats & Meets" Dinner $125	Executive "Eats & Meets" Dinner $125
All Day Access $475	All Day Access $600	All Day Access $200	All Day Access $450

8:00AM-6:00PM Technology Exhibition (Open All Day)

8:00AM-8:15AM CanBIM Welcome Address & Introduction

8:15AM-9:45AM How I Taught Myself Dynamo and Why You Should Too, Blair Birdsell, Design Technologist, Dys Architecture*

8:15AM-9:45AM Demystifying COBie, David Spehar, Customer Solutions Manager, dRofus *

8:30AM-9:30AM Integrating Business Practices Digital Design, Construction & FM, Franck Murat, BIM / VDC Technical Director, BIMOne Inc. *

9:45AM-10:30AM NETWORKING TECHNOLOGY EXHIBITION

10:30AM-12:00PM PointCloud to IFC - Reed Munro, Virtual Construction Lead, Clark Builders & Mike Nelson, Product Specialist, Vectorworks *

10:30AM-12:00PM The Benefits of Real-Time Coordination on Design Build Projects, Dan McKinnon, Canada Territory Manager, Revizto *

10:45AM-11:45PM BIM Consulting Lessons Learned for Owners, Edwin Guerra, BIM Consultant, Summit BIM Consulting *

12:00PM-1:00PM LUNCH

1:00PM-1:10PM CanBIM Special Presentation & Announcement

1:10PM-1:30PM CanBIM Certification Update & Ceremony, Pietro Ferrari, CanBIM Director, Secretary and Chair, CanBIM Education, Research & Certification Committee

1:30PM-2:05PM Driving Business Value Through Data Analytics - Mark Masongsong, CEO & Co-Founder at UrbanLogiq

2:05PM-2:40PM Digital Twins: Bridging the Physical and Digital Worlds, Dogu Taskiran, CEO, Stambol Studios

2:40PM-3:25PM NETWORKING TECHNOLOGY EXHIBITION

3:25PM-4:00PM Digital Construction: A New Era - Mike Maierle, Principal, ETRO Construction

4:00PM-4:50PM Executive Panel Discussion: Digital Innovation in Design, Construction, Operation, Moderated by Helen Goodland, Principal, Brantwood Consulting & Co-Founder, Building Technology Innovations

4:50PM-5:00PM Closing Remarks

5:00PM-6:00PM CLOSING RECEPTION

6:30PM-8:30PM Executive Eats & Meets Dinners

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Early Morning Sessions
8:15AM-9:30AM

Attendees will be able to select only ONE (1) of the THREE (3) Early Morning Sessions.

Technology Session 1A – Salon C - 8:15AM-9:45AM
How I Taught Myself Dynamo and Why You Should Too
Presenter: Blair Birdsell, Design Technologist, Dys Architecture

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Session Summary: No one turns into an advanced Dynamo user overnight; nor are the constraints of a full time job conducive to attending a formal months long curriculum on the subject. This doesn't mean one's approach to learning the Dynamo visual programming language for REVIT shouldn't be structured. This presentation aims to give self-directed learners strategies and resources to undertake a substantial part of their own education themselves, as well as providing a healthy dose of support and encouragement that it can indeed be done. Topics covered will include how to get help online and debugging best practices, as well as examples of why learning a scripting language will make any creative or organizational industry challenge easier. Don't be the person who shows up to site with a shovel; come prepared with an excavator.

Main Topics:
1. Available resources.
2. Examples of getting help online.
3. Debugging and reverse engineering.
4. Advancement.
5. How to find time? The answer is why learn Dynamo.

Technology Session 1B - Salon D – 8:15AM-9:45AM
Demystifying COBie
Presenter: David Spehar, Customer Solutions Manager, dRofus

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Session Summary: What really is COBie, what does it mean to deliver COBie and how much will it cost me? As more and more building owners are starting to adopt BIM standards, increased pressure is put on design and construction teams to provide data deliverables at handover. Many times in a COBie format. In this session we will address the who's, what's, why's and how's around capturing, managing and ultimately delivering COBie.

We'll explain the importance of understanding the building owner's needs for capturing data to ensure teams efficiently collaborate to meet requirements with minimal waste and rework. We'll then look at an example of using dRofus to manage the COBie data in a collaborative platform and how it can be used to provide a true COBie-compliant BIM deliverable – not just a COBie spreadsheet.

Mainstage Session - Industry Presentation 1 - Cordova Ballroom - 8:30AM-9:30AM
Integrating Business Practices Digital Design, Construction & FM
Presenters: Franck Murat, BIM / VDC Technical Director, BIMOne Inc. & Louis Tremblay, Engineer, City of Québec.

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Presentation Summary: Owners mandating BIM is nothing new. However, when an expert owner is a city who understands the benefits of implementing BIM across their projects and across their internal teams ranging from engineering to water treatment, it's a whole new world. This presentation will cover the justifications for the approach, a comprehensive study of existing workflows and the process and workflows that are being implemented on over $700 million of projects by Ville de Quebec. How the change process was handled will also be discussed as the eventual goal of the project is for Ville de Quebec to be completely self-sufficient in their whole lifecycle, integrated BIM approach.

Late Morning Sessions
10:30AM-12:00PM
Attendees will be able to select only ONE (1) of the THREE (3) Late Morning Sessions.

Technology Session 2A - Salon C - 10:30AM-12:00PM
Point Cloud to IFC

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Presenters: Reed Munro, Virtual Construction Lead, Clark Builders & Mike Nelson, Product Specialist, Vectorworks, Additional Presenters

Event Summary: Starting with a laser scan, a point cloud data set is generated with millimetre accuracy and provides the basis for digital reconstruction. Hours can be spent modeling these existing conditions as efficiently as possible with parametric tools. With various disciplines to design, construct and operate a building using different BIM authoring tools, what's the most effective file format to provide accurate and interoperable as-built conditions to consultants? The buildingSMART .IFC format.

This session will provide architects, general contractors, engineers and surveyors with a comparative analysis of the Point Cloud to IFC workflow for as-built conditions. Our presenters have each taken the same single data set in to their respective Trimble, Revit, ArchiCad and Vectorworks applications, modeled the geometry with native parametric tools and then exported to IFC. They'll present their findings, discuss the roadblocks encountered and share their insight in to the workflow so that attendees can make informed decisions about best practices for their workflow and company.

Technology Session 2B – Salon D - 10:30AM-12:00PM
The Benefits of Real-Time Coordination on Design Build Projects

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Presenters: Dan McKinnon, Canada Territory Manager, Revizto, Mikko Leppanen, BIM Manager, Major Commercial Projects, Graham Construction

Event Summary: The challenges related to Design-Build project delivery are numerous and include technical specifications, personnel management, and communication. Recently, Graham incorporated Revizto to address many of these issues. Join Mikko Leppanen (Graham) and Dan McKinnon (Revizto) as they walk you through how Graham coordinated and communicated with key project stakeholders by leveraging a single digital environment for issue tracking, 2D & 3D project coordination, and real-time communication and reporting. During this session we will discuss what motivated the change in Graham's coordination process, how they adopted this new workflow and the benefit to each of the project participants.

Mainstage Session - Industry Presentation 2 – Cordova Ballroom - 10:45AM – 11:45AM
BIM Consulting Lessons Learned

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Presenter: Edwin Guerra, BIM Consultant, Summit BIM Consulting

Presentation Summary: In the theme of Digital Twins, there are several underlying assumptions: we assume that things are built as they are designed, we assume that a digital representation matches the built condition, that the model information is accurate and maintained throughout a building's life cycle. This presentation will focus on the real project experiences, good and bad, of managing the BIM process on behalf of building owners for many projects in healthcare, airports, education and energy for close to a decade. Building owners have engaged Summit BIM to develop BIM standards and to project manage the BIM process on projects to ensure their needs are met. The session will list various issues, positive and negative that help a BIM project stay on track and be successful. Solutions and challenges faced in the industry will be discussed to help clarify exactly how a controlled BIM process can benefit the entire project team, including the building owner.

Executive Speaker Series & "Eats & Meets" Dinner

Afternoon Session - Executive Speaker Series
1:00PM-4:50PM Cordova Ballroom

Event attendees will hear from industry executives and senior management professionals about their vision and strategy around technology adoption and how technology is driving business value at their organization.

1:00PM-1:10PM	CanBIM Special Presentation & Announcement
1:10PM-1:30PM	CanBIM Certification Update & Ceremony, Pietro Ferrari, CanBIM Director, Secretary and Chair, CanBIM Education, Research & Certification Committee
1:30PM-2:05PM	Driving Business Value Through Data Analytics - Mark Masongsong, CEO & Co-Founder at UrbanLogiq
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3:25PM-4:00PM	Digital Construction: A New Era - Mike Maierle, Principal, ETRO Construction
4:00PM-4:50PM	Executive Panel Discussion: Digital Innovation in Design, Construction, Operation, Moderated by Helen Goodland, Principal, Brantwood Consulting & Co-Founder, Building Technology Innovations

Closing Reception
5:00PM-6:00PM

Join us for a beverage and some hors d'oeuvres.

Executive "Eats & Meets" Dinners
6:30PM-8:30PM

Event attendees will have the chance to sit down and break bread with technology leaders. Executive "Eats and Meets" are an Intimate, exclusive and curated opportunity to build your network.

Technology Exhibition
Cordova Foyer (Open to all registrants)
8:00AM-6:00PM

The CanBIM Technology Exhibition showcases the latest innovative technologies from industry leading technology companies. A great business opportunity to connect with the AECOO industry professionals.

Exhibitor Package Includes (per event)

Two (2) Event Registrations per event
- Exhibitor Profile on CanBIM Mobile Event App
- Exhibitor Logo Placement on main event screen during breaks
- Exhibitor Table - 3X6 table with two chairs
- Attendee List

Exhibitor Package Does Not Include:
- Power Access
- AV Equipment
- Table Linens
- Parking
- WiFi

Exhibitor Package Fees
*plus applicable taxes
CanBIM Member Price: **$1250**
Non-Member Price: **$1600**

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