From design to pre-construction to construction to operations and asset management more and more technology solutions are incorporating artificial intelligence (AI)-powered algorithms. Artificial Intelligence will help the industry players overcome some of the Architecture, Engineering, Construction and Operations industry’s greatest challenges, including cost and schedule overruns and safety concerns. The Montréal Session will engage industry leaders in a discussion about these challenges and possible solutions.
CanBIM Project Site Tours

8:00AM-4:30PM
(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.

8:00AM - 10:00AM  Centre of Sciences of the Université de Montréal
11:00AM - 1:30PM  Imagine-4D Station IX Immersive Theater
2:30PM - 4:30PM  Montreal Heart Institute - Expansion and Redevelopment Phase 2

CanBIM Meet & Greet
Vieux Port Steakhouse  39, rue St-Paul Est, Vieux-Montréal Québec H2Y 1G2
6:00PM-8:00PM

Come kick off the Montréal 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

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<th>MEMBERS</th>
<th>NON-MEMBERS</th>
<th>STUDENTS</th>
<th>GROUPS (4 or more)</th>
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DAY TWO
April 17, 2019

Technology Sessions, Executive Speaker Series & “Meets & Eats” Dinners

7:30AM   Event Registration Opens

8:00AM   Technology Exhibition Opens (All Day)

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

8:15AM-9:45AM   Leveraging BIM for More Profitable MEP Construction, David Keane Trimble & BIM One, Bruno-Pierre Caron, BIM Specialist, BIM One

8:15AM-9:45AM   Developing Tools for Design Architects, Emanuel Favreau O AQ NCARB Adaptive Digital Solutions Specialist, MSDL Architects and Yien Chao, Architect | Director & BIM Manager | Computational BIM Expert, MSDL Architects

8:15AM-9:45AM   Lean strategies and Lean culture for a construction project, Fernando Valdivieso, Manager BIM/VDC Montreal region, Carolyne Filion, Coordinatrice sénior BIM/VDC chez Pomerleau

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

10:30AM-12:00PM   Santco - Integrating Tekla, 3D Scanning and Robotic Total Station, Jean-Philippe Simard, Application Specialist, BuildingPoint Canada

10:30AM-12:00PM   Data Management at Object Level: HyperAssets, Emilie Forster, International Development Director – Deputy CEO, BIM & Co

10:30AM-12:00PM   There’s a Workflow For That!: Five Coordination Workflows, Carl Veillette, VP innovation & Technology, Co-Founder, BIM One

12:00PM-1:00PM   LUNCH

1:00PM-1:20PM   CanBIM / bSC / BIM Québec Special Announcements

1:20PM-1:40PM   CanBIM Certification Update & Ceremony, Pietro Ferrari, CanBIM Director, Secretary and Chair, Education, Research & Certification Committee, CanBIM

1:40PM-2:00PM   Kevin Heffner, BSME, PH.D., Innovation Director, Computer Research Institute of Montreal (CRIM). Disruptive Technologies for future AI-Enabled Smart Building Applications

2:00PM-2:30PM   Explore, Evaluate and Optimize – Generatively speaking…Thord Backe, Sr. Director AEC Generative Design, Autodesk

2:30PM-3:00PM   Building in the Digital Age: Adapting Project Management to Construction Process 4.0, Ghyslain Deschamps, P Eng., GSC, Executive Vice President - Building division at EBC, & Éric Bertrand, Vice-Presidents of operations, EBC

3:00PM-3:30PM   NETWORKING TECHNOLOGY EXHIBITION

3:30PM-4:00PM   Artificial Intelligence for Construction, Anthony Fernando, Director of Construction Partnerships, Indus.ai

4:00PM-5:00PM   Panel Discussion: Industry 4.0 and Artificial Intelligence in Design, Construction and Operation

5:00PM-5:10PM   Closing Remarks

5:10PM-6:00PM   CLOSING RECEPTION

6:30PM-8:30PM   Exclusive Industry VIP Dinner
Early Morning Sessions
8:15AM-9:45AM
Attendees will be able to select only ONE (1) of the THREE (3) Morning Sessions.

**Technology Session 1A – Salon Cartier 1 - 8:15AM-9:45AM**
Leveraging BIM for More Profitable MEP Construction
Presenter: David Keane, Eastern Region Sales Manager, Trimble & BIM One, Bruno-Pierre Caron, BIM Specialist, BIM One

*Session Summary:* This presentation will focus specifically on the underutilization of best practices for Virtual Design and Construction (VDC) in the MEP trades. On many projects, the BIM process is limited in scope to visualizing the project first and then coordinating trades so that construction can proceed with minimal clashes and avoidable defects. This is a good start, but the potential for BIM is so much greater in terms of flowing information through all construction tasks like estimating, procurement, scheduling/sequence planning, fabrication, jobsite deliveries, progress tracking, change management, and billing. A data rich building model can and should serve as a single source of truth, and feed critical data to every department within an MEP firm.

**Technology Session 1B - Salon Cartier 2 – 8:15AM-9:45AM**
Developing Tools for Design Architects
Presenters: Emanuel Favreau OAQ NCARB Adaptive Digital Solutions Specialist, MSDL Architects and Yien Chao, Architect | Director & BIM Manager | Computational BIM Expert, MSDL Architects

*Session Summary:* This session will consist of two presentations under the theme of creating tools for designers in architecture.

The first will be to integrate at the beginning of the project the program to quickly design improvements. It’s a step that involves several studies and options, so designers need to be able to maneuver quickly without being cluttered with tools that are not really made for that. We will see how to set the stage for designers with data from Excel to Revit, and through to Dynamo + Python. The second presentation has the same goal, to create tools to be more effective in design. At the beginning of the project, accuracy is more important than fine detail and that is why the tool for creating stairs in Revit is not suitable. In this example, we will see how to create stairs with a simple 3d box inside Revit with programming done in C#.

**Technology Session 1C - International I & II – 8:15AM-9:45AM**
Lean Strategies and Lean Culture for a Construction Project
Presenters: Fernando Valdivieso, Manager BIM / VDC Montreal region, Carolyne Filion, Coordinatrice sénior BIM/VDC chez Pomerleau

*Session Summary:* Lean Construction strategies started being used in the western parts of USA and Canada before BIM. Lean is, quite like BIM, all about optimizing processes through enhancing cooperation and reducing waste. Today, Lean Construction adoption is even easier, given that BIM sets a favorable context with more collaboration and optimization of project processes.

During this presentation, the participants will:

- have an introduction to the main principles of Lean,
- see how they can be applied to a construction project,
- learn some of the tools of Lean Construction,
- get an idea how the positive impact of BIM and Lean amplifies when used together.
Late Morning Sessions
10:30AM-12:00PM
Attendees will be able to select only ONE (1) of the THREE (3) Morning Sessions.

Technology Session 2A – Salon Cartier 1 - 10:30AM - 12:00PM
Santco - Integrating Tekla, 3D Scanning and Robotic Total Station
Presenter: Jean-Philippe Simard, Application Specialist, BuildingPoint Canada

Session Summary: The World is evolving fast, projects are more complex and have to be done on tight schedules. Today’s construction tools and workflows must adapt to keep up. Technology has stepped up once again and is changing the face of the Construction market. In this presentation we will discover how technology has changed and help Santco formwork achieve higher standards and stay one the leaders in formwork by using technology. Through out the presentation, we will discuss on how important and central a Constructible model is and how the data coming from the model can be shared within an organization. We will also look at how the Constructible model has changed to use of Field layout technologies and the metrics and quality controls it can achieve in concrete formwork projects.

Technology Session 2B - Salon Cartier 2 – 10:30AM - 12:00PM
Data Management at Object Level: HyperAssets
Presenter: Emilie Forster, International Development Director – Deputy CEO, BIM & Co

Session Summary: A lot of information is scattered today in BIM models, excel spreadsheets, calculation or estimation software, documents, etc. Even if now most of these are all stored in a central environment, the basis of data management is to allow the understanding of this information by machines. To do so, it is a matter of establishing a common language and ensuring that data can be translated or read by different teams or applications for a real collaboration. The speaker will deep dive into data management for building projects, starting at object levels : from design to FM going through use cases such as quantity take off. Rich and standardized objects allow to build strong expertise and knowledge on digital assets that we can call HyperAssets.

Technology Session 2C - International I & II – 10:30AM - 12:00PM
There's a Workflow For That!: Five Coordination Workflows
Presenter: Carl Veillette, VP innovation & Technology, Co-Founder, BIM One

Session Summary: Over the past 10 years, coordination tools have evolved. The way we were doing things is no longer acceptable. We are now exposed to a lot of different combinations of technologies and trying to figure out what is the best workflow can be difficult. We have put this presentation together to help you understand the advantages and disadvantages of specific coordination workflows and software combinations. We will present coordination workflows with different technology stacks, including: non-cloud-based, entirely cloud-based, partially cloud-based, coordination during design phase, & coordination during pre-construction. Software covered will include the BIM 360 group of products, Navisworks, Revit, & BIM Track, and how all can work together.
Afternoon Session - Executive Speaker Series
1:00PM-5:00PM International I & II
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-1:20PM CanBIM / bSC / BIM Québec Special Announcements

1:20PM-1:40PM CanBIM Certification Update & Ceremony, Pietro Ferrari, CanBIM Director, Secretary and Chair, Education, Research & Certification Committee, CanBIM

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4:00PM-5:00PM Panel Discussion: Industry 4.0 and Artificial Intelligence in Design, Construction and Operation

Closing Reception
5:00PM-6:00PM
Join us for a beverage and some hors d’oeuvres.

“Meets & Eats” Dinners
Vieux Port Steakhouse 39, rue St-Paul Est, Vieux-Montréal Québec H2Y 1G2
6:30PM-8:30PM
Event attendees will have the chance to sit down and break bread with technology leaders. Executive “Meets & Eats” are an Intimate, exclusive and curated opportunity to build your network.
Technology Exhibition
Foyer International (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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