The construction industry is poised for disruption; digital technologies and processes are transforming the traditional planning, design, construction and operation of the built environment. Digital transformation will result in time savings, increased quality, improved safety, greater sustainability and waste reduction. New processes like off-site construction (pre-fabrication & modularization), digital workflows and the adoption of new automation technology are propelling the industry into a more productive and efficient future.

This session will host senior management executives, technology leaders and prominent researchers who will demonstrate how the design, construction and facility management industry are embracing digital transformation and benefiting from adopting new technologies and processes. Join us in Fredericton at the University of New Brunswick, home to Canada’s first engineering program and the newly established Off-site Construction Research Centre (OCRC) – a collaborative research hub connecting industry and academia in partnership with OSCO Construction Group.

Supporting Event Sponsors
CanBIM Project Site Tour
*Limited seating available. Must register online.

Quality Inn & Suites Amsterdam
559 Bishop Dr, Fredericton, NB E3C 2M6
3:00PM - 5:00PM

CanBIM “Meets & Eats” Dinner

Isaac’s Way
649 Queen St, Fredericton, NB E3B 1C3
6:30PM - 8:30PM

Event attendees will have the chance to sit down and break bread with technology leaders. “Meets & Eats” are an intimate, exclusive and curated opportunity to build your network.

Event Fees

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<tr>
<th>Event</th>
<th>Members</th>
<th>Non-Members</th>
<th>Students &amp; Faculty</th>
<th>Corp Groups</th>
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<td>Day 2 Full Day</td>
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<td>Morning Sessions</td>
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<td>Afternoon Sessions</td>
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<td>Meets &amp; Eats</td>
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<td>Day 2 + Meets &amp; Eats</td>
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7:30AM  Event Registration & Technology Exhibition Opens

8:30AM-9:00AM  CanBIM Welcome Address, Education & Certification Update

**EARLY MORNING CONCURRENT SESSIONS**

9:00AM-10:30AM  **Quality In, Quality Out**, Charles Forest, Business Development Manager, BIM One/BIM Track

9:00AM-10:30AM  **Building Relationships with BIM Coordination**, Brendan Lawrence, Project Manager & Mark Doyle, VDC Senior Coordinator, Pomerleau Inc.

9:00AM-10:30AM  **Remote Worker Support Using AR in Construction**, Rodney McAfee, VP Energy & Industrial Engineering, Kognitiv Spark

10:30AM-11:15AM  **NETWORKING TECHNOLOGY EXHIBITION**

**LATE MORNING CONCURRENT SESSIONS**

11:15AM-12:45PM  **Adopting Model Coordination For RFI to Change Order Process Improvement**, Ray Roske, Principal Sales Consultant BIM, Oracle

11:15AM-12:45PM  **Leadership and Collaboration Through BIM and VDC**, Patrick LaLonde, VDC Manager, EllisDon

11:15AM-12:45PM  **Data Analytics and Simulation Applications in Construction Management: Case Studies**, Zhen Lei, Assistant Professor, University of New Brunswick

12:45PM-1:45PM  **LUNCH**

1:45PM-2:00PM  CanBIM Announcements

**AFTERNOON SESSION**

2:00PM-2:30PM  **Why Isn't It Cheaper? Cost Certainty vs Cost Savings in Modular Construction**, Xavier Toby, Director of Prefabrication and Modular, EllisDon

2:30PM-3:00PM  **Industrial 3D Model Integration for Production Purposes**, Daniel Barbeau, Business Relationship Manager - Engineering and Digital Innovation, Canam Group Inc.

3:00PM-3:50PM  **NETWORKING TECHNOLOGY EXHIBITION**

3:50PM-4:20PM  **Using Technology to Make Better Lift Plans**, Patrick Craig, Research and Development Specialist, Irving Equipment

4:20PM-5:20PM  **Panel Discussion: Driving Digital Transformation in the Built Environment**

5:20PM-5:30PM  Closing Remarks

5:30PM-6:30PM  **CLOSING RECEPTION**
Early Morning Sessions
9:00AM - 10:30AM
Attendees will be able to select only ONE (1) of the THREE (3) Early Morning Sessions.

Technology Session 1A
Quality In, Quality Out
Presenter: Charles Forest, Business Development Manager, BIM One/BIM Track

Session Summary: This presentation will demonstrate the importance of quality control, will help you understand the governing principles in virtual modeling like the correct level of development for the project stage and the project requirements, and how open communication channels naturally improve overall quality.

To succeed in this journey, the mindset of the project team must be one of openness and adaptability. Transparency, access to information, organization of the work is essential, and the real benefits are available once the team has embraced the change. Realtime updates, accessibility to all team members, clear roles, and structured information that creates a common understanding, are all important axes that will be discussed in this presentation.

Technology Session 1B
Building Relationships with BIM Coordination
Presenters: Brendan Lawrence, Project Manager & Mark Doyle, VDC Senior Coordinator, Pomerleau Inc.

Session Summary: Join Brendan Lawrence and Mark Doyle of Pomerleau as they discuss in detail the use of BIM 360 Glue for BIM Coordination process on this $77m Hospital project in NB. They will expose the technical setup from Revit to BIM 360 Glue, as well as sharing their approach to project execution with trade partners whom were new to the BIM process. Brendan will share his experience as a former BIM Coordinator turned Project Manager as to how the BIM process enables project management to work more effectively. The talk will conclude with the sharing of outcomes and benefits of the BIM coordination Process, followed by a Q & A.

Technology Session 1C
Remote Worker Support Using AR in Construction
Presenter: Rodney McAffee, VP Energy & Industrial Engineering, Kognitiv Spark

Session Summary: In the age of big data and connected operations, organizations that have moved to adopt Augmented and Mixed Reality technologies are experiencing unprecedented levels of efficiency. AR/MR tools are currently being leveraged across industrial sectors to increase machine uptime, safety, situational awareness and to empower remote workers and technicians to achieve new levels of productivity. This presentation will introduce these technologies and their application in the construction industry.
Late Morning Sessions

**11:15AM - 12:45PM**

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

**Technology Session 2A**

**Adopting Model Coordination For RFI to Change Order Process Improvement**

Presenter: Ray Roske, Principal Sales Consultant BIM, Oracle

*Session Summary:* In this session you will learn how Oracle Aconex Model Coordination is streamlining the Change Order Process by enabling immediate and seamless communication between the Engineering & Design, BIM/VDC, Construction and Project Controls teams. Additionally, we will provide an overview of Oracle’s Innovation Lab in Chicago and how we and our partners are changing and advancing the construction industry with tools available today.

**Technology Session 2B**

**Leadership and Collaboration Through BIM and VDC**

Presenter: Patrick LaLonde, VDC Manager, EllisDon

*Session Summary:* New technology in construction is changing not only the way we work but the way we work together. This session will discuss the practical use of BIM/VDC for the Mechanical Contractor and General Contractor as well as the methods used to achieve successful collaboration. There will be a focus on the technology, workflow, and procedures applied on projects with different project delivery types.

**Technology Session 2C**

**Data Analytics and Simulation Applications in Construction Management: Case Studies**

Presenter: Zhen Lei, Assistant Professor, University of New Brunswick

*Session Summary:* With the technology advancement, construction data has become more accessible. These data is collected through sources such as sensors, wearables, design plans, etc. However, according to recent report by FMI, that 90% of the data generated in construction is unstructured, and 96% of all data goes unused in engineering and construction (E&C) industry. Meanwhile, the potential use of data for near-real-time decision making is enabled through machine learning and data analytics, which provides a great upside for construction industry to explore how to leverage the power of data and make the results more presentable. This presentation aims to (1) provide an overview of data analytics (tools and methods) across construction industry and other related industry; (2) showcase data analytics research and practice in construction; and (3) present a roadmap of conducting data and visualization related research for construction companies.
Afternoon Session - Executive Speaker Series
Kent Auditorium
2:00PM - 5:20PM
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.

Why Isn’t It Cheaper? Cost Certainty vs Cost Savings in Modular Construction - 2:00PM - 2:30PM
Xavier Toby, Director of Prefabrication and Modular, EllisDon

Industrial 3D Model Integration for Production Purposes - 2:30PM - 3:00PM
Daniel Barbeau, Business Relationship Manager - Engineering and Digital Innovation, Canam Group Inc.

Using Technology to Make Better Lift Plans - 3:50PM - 4:20PM
Patrick Craig, Research and Development Specialist, Irving Equipment

Executive Panel Discussion - 4:20PM - 5:20PM
Driving Digital Transformation in the Built Environment

Closing Reception
5:30PM - 6:30PM
Sponsored by CanBIM Platinum Sponsors

Join us for a beverage and some hors d’oeuvres.
Technology Exhibition
Chancellor’s Room
(Open to all registrants)
7:30AM - 6:30PM

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: $750
Non-Member Price: $1000