

# buildingSMART CANADA NEWSLETTER



FALL  
2023

## Table of Contents

---

Invitation to Members to  
Conference | P. 2 - 3

---

bSC National Summit | P. 4 - 10

---

Affiliates Updates | P. 11

---

Standards Summit Norway | P.13

---

# Our AGM is Approaching ...

As we approach the end of the year, it is time for our Annual General Meeting (AGM). I am excited to invite you to participate in this important event, which will take place on November 29, 2023 in conjunction with The buildings Show at the Metro Toronto Convention Centre.

The AGM serves as a pivotal moment in the life of buildingSMART Canada, providing an invaluable opportunity for us to come together, reflect on our achievements, and chart the course for the future. Your participation is not only encouraged but deeply valued, as your presence lends strength to the collective voice that propels our mission forward.

One of the most significant aspects of this year's AGM is the election of the new Board members. Our Nominations Committee has meticulously identified a slate of highly qualified nominees, each with a proven commitment to our cause. Your vote will play a crucial role in shaping the leadership that will guide us through the challenges and triumphs that await us in the coming year.



**"As we look ahead to 2024, we will also unveil the outlook for the coming year, outlining the strategic initiatives and goals that will guide our collective efforts. Together, we will continue to build on our successes and adapt to the evolving landscape of our mission."**

**Bill Moore**  
President, buildingSMART Canada

In the spirit of unity, we will also share Membership statistics, highlighting the growth and diversity of our community. Your continued support has been instrumental in broadening our reach and impact, and we look forward to celebrating this achievement together.

Last but certainly not least, the AGM will be a moment to express our deepest gratitude to our dedicated volunteers. Their selfless contributions are the bedrock of our success, and it is only fitting that we recognize and honor their unwavering commitment.

I wholeheartedly invite you to be a part of this significant gathering. Your voice, your vote, and your presence matter. Together, we will forge ahead, united in our dedication towards digitalizing Canada's built environment.

I look forward to seeing you on November 29, 2023, and to the collective strides we will take toward a brighter future.

Sincerely,  
**Bill Moore**



# Join us at the National Summit

I am thrilled to extend an open invitation to you and your esteemed organization to join us at the buildingSMART Canada National Summit, which will be held in conjunction with the renowned Building Show.

The buildingSMART Canada National Summit is a flagship event, bringing together professionals, thought leaders, and innovators from all corners of the nation. This year's summit promises to be an exceptional gathering of minds, designed to promote collaboration, share knowledge, and foster the advancement of BIM and digital transformation within the construction and building sector.



**“Please mark November 29 and 30 in your calendars and join us in driving innovation and excellence in the construction and building industry. The buildingSMART Canada National Summit provides an ideal platform for your organization to showcase its expertise, network with industry leaders, and stay at the forefront of technological advancements.”**

**Claudia Cozzitorto**  
Executive Director, buildingSMART Canada

## Event Highlights

- 1. Keynote Speakers:** Our carefully selected keynote speakers are leaders in the industry, and they will share their insights and vision for the future of BIM and construction technology.
- 2. Interactive Workshops:** Engage in hands-on workshops and demonstrations that showcase the latest developments in BIM technology, software, and best practices.
- 3. Networking Opportunities:** Connect with professionals, experts, and peers from diverse backgrounds to exchange ideas and build valuable connections.
- 4. Panel Discussions:** Participate in panel discussions covering critical topics related to BIM implementation, standards, sustainability, and more.
- 5. Exhibition Area:** Explore the latest products and services offered by industry-leading vendors in the exhibition area at the Building Show.

I look forward to your participation and presence at the buildingSMART Canada National Summit. Together, we can shape the future of openBIM in Canada.

Sincerely,  
**Claudia Cozzitorto**

# buildingSMART Canada National Summit

JOIN US AT THE ANNUAL

## buildingSMART Canada National Summit!

NOV 29 – DEC 1st, 2023

Metro Toronto Convention Centre

\*Save 20% with code "SMART" for full access pass



## Agenda

### Wednesday, November 29

**Speaking Sessions**  
9:30 AM - 5:00 PM

**Exhibit Hall Booth**  
Closes at 6:00 PM

**Annual General Meeting**  
5:00 PM - 6:30 PM

### Thursday, November 30

**Speaking Sessions**  
9:30 AM - 5:00 PM

**Exhibit Hall Booth**  
Closes at 3:00 PM

**bSC/tBIMc Networking Event**  
5:00 PM - 8:00 PM

### Friday, December 1

**Exhibit Hall Booth**  
9:00 AM - 1:00 PM

## Registration information

<https://buildingsmartcanada.ca>

Early bird deadline is  
Friday September 29th @ 11:59pm EST

# buildingSMART Canada National Summit

## **AGM - November 29 (5:00PM - 6:30PM)**

We are rapidly approaching one of the most crucial events in our calendar, the Annual General Meeting (AGM) for buildingSMART Canada, scheduled for November 30 at the Metro Toronto Centre at 6:00PM. This gathering represents not just an opportunity for us to connect, discuss, and chart our path forward but also to reflect on the year that was. This year's AGM promises to be both informative and transformative, as we have several significant items on the agenda.

Here's a sneak peek of what to expect:

- News and Updates
- Annual Report (Year in Review)
- Special Resolutions
- Audited Financial Statement
- Election of Board of Directors

A vital part of our AGM, the election of our Board of Directors. Meet the candidates, understand their vision, and take part in the democratic process of electing those who will guide our organization into the future.

Your involvement in the AGM is more than just a membership obligation; it's an opportunity to shape the trajectory of buildingSMART Canada. The insights, experiences, and perspectives you bring are invaluable, and we sincerely hope to see you participate with enthusiasm.

## **Networking Cocktail Event - November 30 (5:00PM - 8:00PM)**

Join us at this tBIMc celebratory cocktail event sponsored by LandLogic. There will be special announcements and most importantly the opportunity to converse and interact with members of the BIM/ AEC community as well as our new board members. Look forward to seeing you there.

## **Want to learn more about buildingSMART Canada?**

Come by our booth at the Building Show - [Booth #1545](#)



# 2023 bSC National Summit

## Wednesday, November 29

WS 800

9:00 AM - 10:00 AM

### Canadian BIM Adoption: A National Overview

This session will present research findings on the digital transformation in Canada, focusing on industry readiness and the adoption of Building Information Modeling (BIM) and ISO 19650 standards across provinces and territories. Current challenges, standards, and technologies related to BIM use will be discussed, along with opinions on mandatory BIM implementation in government projects and the role of government in advancing BIM. Barriers, gaps, and opportunities will be explored, drawing insights from the international community. This session is recommended for decision makers, associations, government officials, and policy makers, and is best paired with the session 'Creating a BIM Roadmap for the Canadian Built Environment'.

Speakers



**Bill Moore**

President, Associated Engineering  
buildingSMART Canada



**Sonia Zouari**

BIM Strategic Initiative Manager,  
Public Services & Procurement Canada



**Yasir Sultan**

Program Director for Construction  
Sector Digitalization and  
Productivity, Ph.D  
National Research Council Canada



**Dale Booth**

Owner, President,  
Innovation Seven - T.I.7 Inc.

WS 801

10:30 AM - 12:00 PM

### Creating a BIM Roadmap for the Canadian Built Environment

This session aims to foster active discussion among members in each section of the roadmap, seeking input to shape its next phase. The focus is on promoting collaborative approaches to project delivery through BIM tools, technologies, and processes, aligned with global initiatives. Actionable steps to address gaps and drive digital transformation advancement in Canada will be discussed. Professionals at all levels of expertise are invited to participate and contribute to shaping the industry's needs and pace of change. This session is recommended to be attended alongside the previous session, "Canadian BIM Adoption: A National Overview".

Speakers



**John Hale**

Chief CAD/BIM,  
Department of National Defense



**Erik Poirier**

Director, M.Sc, Ph.D,  
buildingSMART Canada

# Wednesday, November 29

WS 802

1:00 PM - 2:00 PM

## Digital Twin Use Cases and Industry Insights

This session will explore the transformative potential of digital twins in the construction and facility management industry. The speakers will present a directory of diverse and innovative digital twin use cases from around the world. The goal of this session is to spark imagination and assess the feasibility of a digital twin for Canada. The panelists will also present tools designed to assist owners in planning their digital transformation journey and developing digital twins. These insights will prompt owners with questions to clarify their needs, establish clear objectives, and determine the necessary deliverables.

Speaker



**Stephen Fai**

**Director & Professor,**  
Carleton Immersive Media Studio  
(CIMS)



**Akira Jones**

**Director, Digital Services, P.Eng.**  
H.H. Angus

WS 803

2:30 PM - 4:00 PM

## Reaching Decarbonization Sustainability Goals with Digital Twin Technology

This session addresses the need for clarity on utilizing digital twin technology to achieve decarbonization and sustainability goals in the building industry. The discussion will focus on exploring new processes and technologies that can contribute to these objectives. The session's objective is to provide industry professionals with insights into the current challenges and opportunities associated with using digital twins for decarbonization and sustainability. It is suitable for participants of all skill levels in the architecture, engineering, construction, owner, operator, and maintenance (AECOOM) professions. This session is particularly relevant for those interested in harnessing emerging technologies to drive sustainability initiatives.

Speakers



**Farzad Jalaei**

**Ph.D, P.Eng,**  
National Research Council Canada



**Jean Carrière**

**Independent Consultant,**  
Jean Carrière

# Thursday, November 30

TS 800

9:00 AM - 10:00 AM

## Introduction to openBIM

This session will focus on the rise of openBIM, which has gained significant traction in the global AECO industry. OpenBIM offers numerous advantages, including enhanced collaboration, data interoperability, and long-term reliability. However, implementing openBIM internationally poses challenges such as varying standards, proprietary formats, and lack of guidance. The speakers will provide participants with up-to-date insights into the current landscape of openBIM implementation worldwide. Participants will learn about the implications of openBIM for building professionals in Canada and how it aligns with Canada's BIM roadmap. This session is an introductory level awareness session on openBIM standards and application and ideal for any industry sector, but especially important for asset owners.

Speaker



**Claudia Cozzitorto**

M.Arch, B.Arch Sci, OAA, MRAIC, LEED AP,  
buildingSMART Canada

TS 801

10:30 AM - 12:00 PM

## Advancing Industry-Municipal Collaboration and Workflow Efficiency with BIM

Municipalities globally are turning to BIM to refine workflows and deepen industry engagement. Singapore, for instance, utilizes BIM for compliance and regulatory approvals, while others employ it for Digital Twins to enhance asset operations. Some Canadian municipal leaders are now considering BIM to bolster industry collaboration and optimize asset management. Take part in this panel discussion with municipal experts exploring BIM's potential to improve workflows and strengthen industry-government relations. Plus, get an in-depth look at how one engineering leader used BIM for a large municipal infrastructure project, both to boost stakeholder collaboration and to ensure a more efficient digital handover that will inform the asset's long-term operation and maintenance.

Speakers



**Arash Shahi**

CEO, Founder, Ph.D, P.Eng, PMP,  
AECO Innovation Lab



**Dmitriy Kharena**

Planning Policy Researcher,  
City of Richmond Hill



**Ralph Kaminski**

Director & Chief Building Official  
Town of Oakville



**Bill Moore**

President, Associated Engineering  
buildingSMART Canada



# Thursday, November 30

TS 802

1:00 PM - 2:00 PM

## BIM as a Legal Document: Exploring Digital Seals & the BIM Contract Appendix

This session will delve into the legal implications of using Building Information Modeling (BIM) as a contract document in the design and construction industry. Two key aspects will be explored, the Model as Legal Document (MALD) and the New Edition of BIM Contract Appendix. The speakers will provide insights on how these documents have shaped the legal framework in the United States. Additionally, global experiences openBIM-driven approval process by government agencies and how BIM serves as a legal document, will be discussed. Participants are expected to have a basic understanding of BIM concepts and practices, as the session will build upon this foundational knowledge.

### Speakers



#### Calvin Kam

Ph.D, Funder, CEO,  
Strategic Building Innovation



#### Patrick Drolet

MBA, P. Eng, PMP, CISSP,  
Notarius



#### Jim Bedrick

Senior Industry Advisor,  
Strategic Building Innovation



#### Mike Shook

Diploma Architectural Technology,  
CanBIM CP, LEED AP,  
J.L. Richards & Associates Ltd.

TS 803

2:30 PM - 4:00 PM

## Relieving Industry Pressures: Upskilling Professionals

In response to the rapidly evolving AECO industry, this session addresses the challenges faced by professionals in various sectors. It aims to provide insights from different sectors and share strategies on how to cope with the increasing demand for sustainable practices, BIM adoption, and efficient project management. Participants can expect to gain valuable takeaways and strategies to enhance their skill sets and alleviate the pressures of the industry. The seminar is designed for AECO professionals at all stages of their careers and covers a broad range of topics, including recommended skills, industry requirements, and practical solutions to meet the changing demands of the industry.

### Speakers



#### Mark Anderson

Director of Business Development,  
AECO Innovation Lab



#### Partick Lalonde

Director, Virtual Design and Construction  
EllisDon



#### Richard Lyall

President,  
RESCON



#### Steven Spry

Senior Project Manager, BIM Special Project  
Innovation Seven - T.I.7 Inc.



#### Marina Ramos

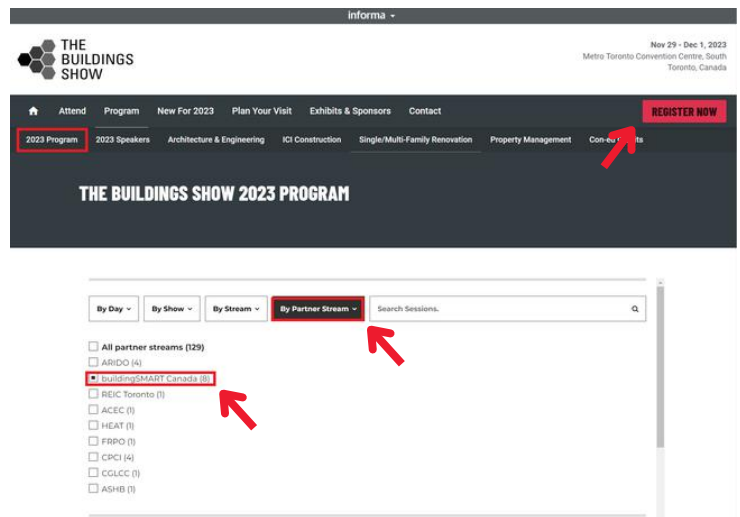
B. Arch, LEED® Green Associate,  
BIM & Scheduling Manager  
Clark Construction Management

# 2023 bSC National Summit

## Find our bSC Sessions & Register

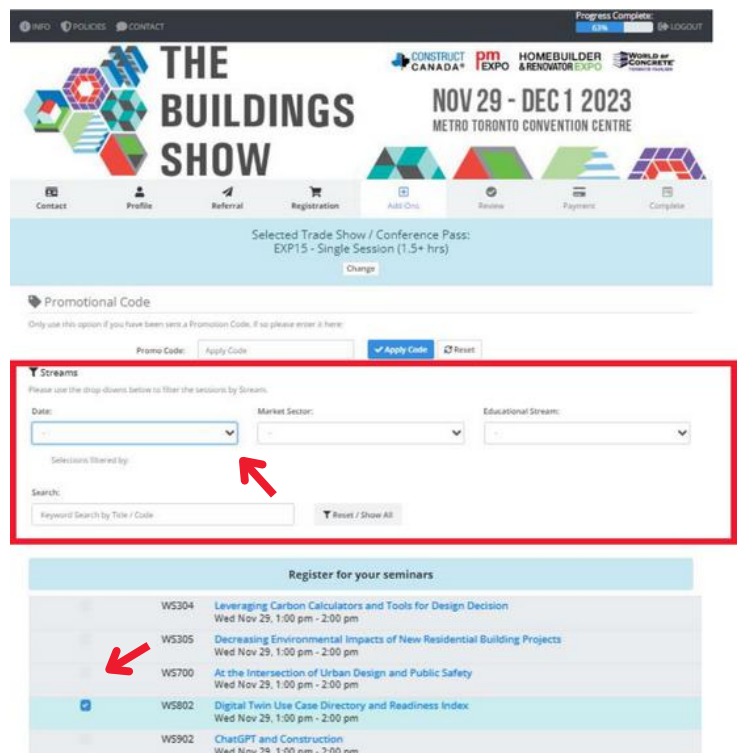
### Step 1:

- Open your web browser and go to [The Buildings Show](#)
- Click on the filter **“By Partner Stream”** and select **“buildingSMART Canada”**.
- The list of bSC sessions will be listed.
- Click on the session to view details.
- You will be able to select the desired sessions during registration by clicking **Register Now** in the top right corner.



### Step 2:

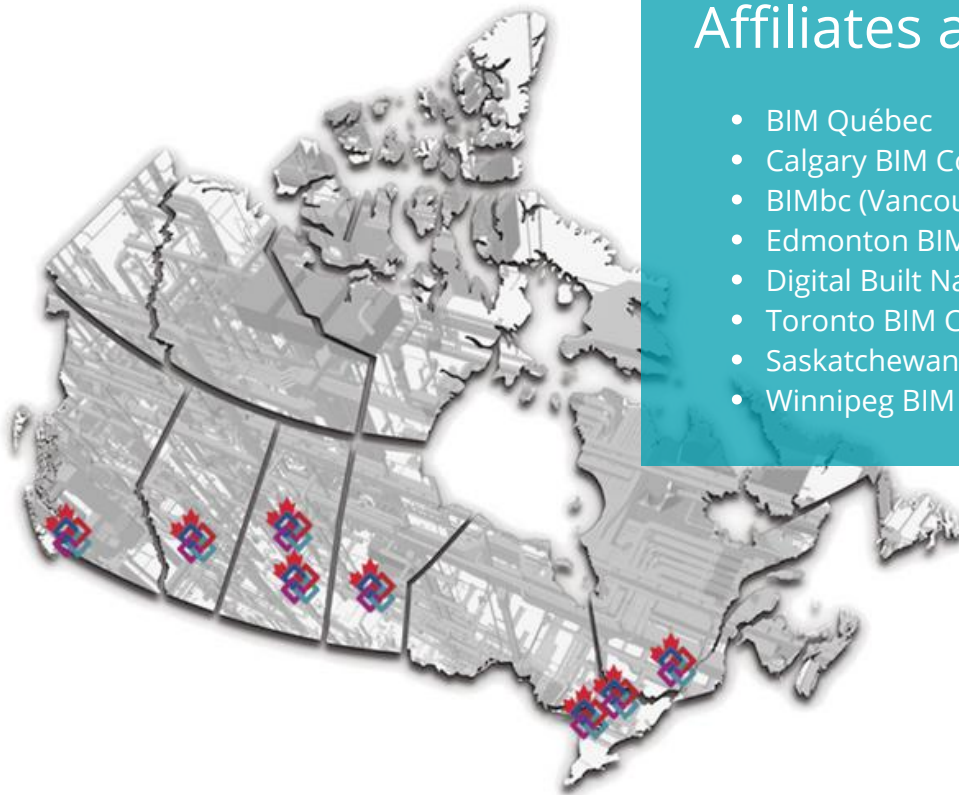
- Click **Register Now**.
- Enter attendee information.
- Select the type of pass you would like to purchase.
- Select the date in the drop down to view all available sessions.
- Check the box beside the sessions you wish to attend.
- Then, proceed to **Cart** for checkout.





# Affiliate Updates

**buildingSMART Canada's affiliate program connects local and regional BIM communities from across the country. United by their goal to build and strengthen the Canadian community for a better built environment, the affiliates help support innovative project delivery practices based on openBIM standards.**



## Affiliates across Canada

- BIM Québec
- Calgary BIM Community (cBIMc)
- BIMbc (Vancouver/Victoria)
- Edmonton BIM Community
- Digital Built National Capitol Region (Ottawa)
- Toronto BIM Community
- Saskatchewan BIM Community
- Winnipeg BIM Community

The affiliates committee consists of representatives from bimBC, cBIMc (Calgary BIM Community), SaskBIM, the Winnipeg BIM Community, tBIMc (Toronto BIM Community), and BIMQuébec. With this wide variety of regions represented, the affiliates provide insight into how BIM and VDC are being implemented across the country.

As the new year begins, the Affiliates Committee has started meeting on a quarterly basis to facilitate collaboration between regions. Some plans we are working on include an affiliate communications channel that will allow the leads of each affiliate to discuss various topics and provide community support.

Another feature we are working on is the creation of a shared calendar to increase the visibility of affiliate events. Each regional affiliate will be providing updates to allow all members to see events across the country with the possibility of joining these events if they are held virtually.

# Recent Affiliate Events



## tBIMc Summer Networking Event

The 2023 Summer Social - Networking Event, presented by tBIMc and sponsored by GRAITEC and AECO Innovation Lab, was an outstanding success! Held at the vibrant Constantine on September 13, 2023, from 6-9 pm, it was an evening to remember.

The event brought together industry professionals, providing a fantastic platform for networking, idea exchange, and relationship building. The atmosphere at Constantine set the perfect backdrop for a fun and engaging evening.

The best part? Registration was free, making it accessible to all eager to expand their professional networks and enjoy a memorable summer evening with like-minded individuals.

The doors opened at 6PM and the location was packed with exciting activities, where attendees could dive right into networking while enjoying delicious food and refreshments. At 6:45 PM, the event kicked off with warm welcoming remarks by tBIMc and GRAITEC, setting the stage for an engaging evening ahead. From 7:00 PM onward, the focus shifted to networking and socializing, providing the perfect opportunity for professionals to connect, share ideas, and build valuable relationships.

Thank you to everyone who attended and made the 2023 Summer Social a huge success.



**[Learn more about all the bSC affiliates!](#)**





# buildingSMART International Standards Summit - Norway #Lillestrøm 2023



## Digital Products and the openBIM Workflow

**We were thrilled to attend the buildingSMART International Standards Summit in Lillestrøm, Norway. Leaders from the buildingSMART chapters and subject matter experts from around the world descended to share progress, further collaborate in the domains and challenge the status quo to advance digitalization of the natural and built environment**

This global gathering was more than just an event; it was a platform to emphasize the importance of digitalization, data analysis, and driving actions towards a sustainable future. As the demand for open standards surges worldwide, it's pivotal to address the development, testing, and global implementation of these standards.

Deep diving into the world of digital products and openBIM workflows, summit's such as this worldwide are shaping the industry's future, facilitating seamless information exchange and driving efficiency. We want to take a moment to thank the organizers of this international summit for all of their hard work. It was very insightful and very well organized. We appreciate your continued leadership in standardization!





# Updates from the buildingSMART International Standards Summit - Norway

## A recap ...

**635 unique registrations**  
**447 attendees in person**  
**188 attendees virtually**  
**180+ speakers**

**Attendees from 39 countries**  
**51 individual sessions**  
**20 sponsors and partners**

## Announcements from the Summit

- buildingSMART International launches the "Maritime Domain", evolving from the "Ports and Waterways" project. Uniting global stakeholders, including CCCC, Royal Haskoning DHV, and Cardiff University, this initiative champions enhancing standards, particularly as IFC 4.3 approaches its ISO Final Draft. Richard Kelly, Operations Director, highlights its significance in digitalizing offshore assets. - <https://www.buildingsmart.org/new-maritime-domain-launched/>
- On a dedicated day, we explored the European Commission's Product Passport regulations via openBIM standards in 'Product Passports – Are you Fit for 55?'. This covered ESPR, CPR, DPP, Product Data Templates, and more, endorsing a circular economy and optimizing product life cycles. Interested in a Canadian Product domain WG? Don't miss our bSC National Summit session on decarbonization - <https://buildingsmartcanada.ca/2023-buildings-show-sessions/>





# Updates from the buildingSMART International Standards Summit - Norway

## Workshop and Session Highlights

### IFC 4.3's ISO Milestone!

Celebrating IFC 4.3's entrance to the ISO FDIS phase! Marking 7 years of buildingSMART International's dedication, this achievement represents a leap for openBIM and the global built asset industry. A triumph of collaboration, spanning roads to railways. Applauding this monumental step forward! [Link to article.](#)

### IFC 5 Progression

IFC 5 introduces an object and component-based approach, transitioning from file-based to data-level exchanges. A significant leap in IFC evolution!

### Digital Twin Workshop

In an engaging Digital Twin workshop, participants first delved into an outlook on the 7 perspectives. Following this, attendees collaborated in interactive roundtables. Catch a recap of this session at the Canadian national summit. Read the full report [here](#).

**openBIM standards** like IDS, bSDD, IFC, and openCDE were discussed in multiple sessions and workshops. Here is a link to the bSC Nation Summit where we will present a recap. [Link to session.](#)





# The International Reach of building SMART

## Summits that Connect Us Together

To those who attended the International Standards Summit in Norway, thank you for making this event a success. To others, make sure you register for the next [buildingSMART Canada National Summit](#). Let's build a future on open standards.

If you're passionate about a sustainable future, ensuring the effective design, construction, and operation of our buildings and infrastructure in Canada, you can sign up for the [buildingSMART Canada newsletter](#) or become a [member](#) of bSC.

## Celebrating the Achievements of our Peers

Congratulations to all the winners at [The buildingSMART openBIM Awards Program 2023!](#) A special shout out to l'École de technologie supérieure for their student research project, **Neural search for openBIM** from Canada.



**Mehrzad Shahin-Moghadam**

**Research Assistant,**  
École de technologie supérieure (ÉTS)  
PhD candidate | Applied AI | NLP | Digital Twin

We invite all Canadian projects to participate and showcase their achievements in future awards, as we continue to celebrate excellence in our community. The bSI/OGC BIM/GIS roadmap marks a significant step forward; all eyes are now on Canada's forthcoming advancements. Join us at the next **[International Standards Summit in Valencia 2024!](#)**



# Become a member

buildingSMART Canada's memberships are separated into six tiers: **Partnerships, Strategic, Industry Council, Initiative, Individual, and Volunteers**. By joining, all membership tiers will receive 25% off for store purchases and have access to all online documents.



**Partnerships** are an ongoing opportunity where the relationship is connected to achieve mutually beneficial goals outlined in a memorandum of understanding between the organizations.



**Strategic Members** are organizations interested in supporting the objectives of bSC to drive the adoption of BIM and openBIM standards. They will be assigned to the bSC Board of Directors liaison and may suggest resource development opportunities to the Board of Directors for consideration.



**Industry Members** are Government, Associations, and Industry stakeholders interested in driving the adoption of BIM through real-world project collaboration; they will receive opportunities to propose projects and research efforts within the National Infrastructure Council (NIC) and serve on a national organization of BIM industry professionals.



**Initiative Members** are companies and organizations supporting the adoption of BIM in the digitalization of the Canadian built asset industry, where they will receive company logo recognition on the bSC website, advanced access to bSC events, and BIM networking opportunities.



**Individual Members** are those interested in the development of BIM and participating in a professional association to gain knowledge on BIM domain expertise. Benefits of this category include gaining membership credentials and advanced access to bSC events.



**Volunteers** are those who wish to contribute their time and support to serving on operational boards within bSC on an annual basis.

**For more information, visit:**  
**[buildingsmartcanada.ca/members](https://buildingsmartcanada.ca/members)**.



buildingSMART CANADA  
**NEWSLETTER**



FALL  
2023

Want to stay up  
to date with bSC?

Sign up for our newsletter

