



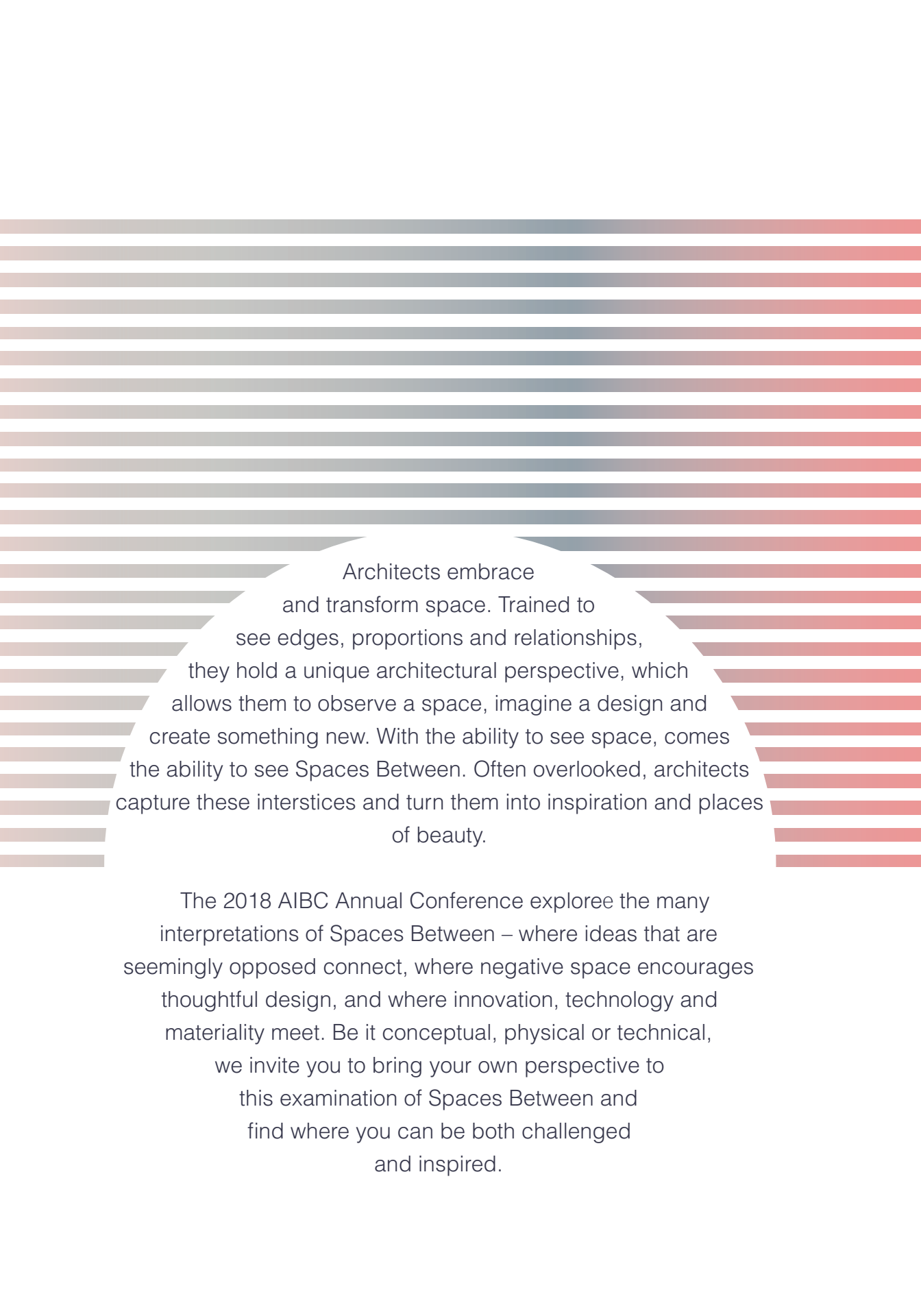
ARCHITECTURAL INSTITUTE OF BRITISH COLUMBIA  
ANNUAL CONFERENCE **2018**

# PROGRAM

VANCOUVER MAY 7–9

[conference.aibc.ca](http://conference.aibc.ca)

SPA  
CES  
BETWEEN



Architects embrace  
and transform space. Trained to  
see edges, proportions and relationships,  
they hold a unique architectural perspective, which  
allows them to observe a space, imagine a design and  
create something new. With the ability to see space, comes  
the ability to see Spaces Between. Often overlooked, architects  
capture these interstices and turn them into inspiration and places  
of beauty.

The 2018 AIBC Annual Conference exploree the many  
interpretations of Spaces Between – where ideas that are  
seemingly opposed connect, where negative space encourages  
thoughtful design, and where innovation, technology and  
materiality meet. Be it conceptual, physical or technical,  
we invite you to bring your own perspective to  
this examination of Spaces Between and  
find where you can be both challenged  
and inspired.

# WELCOME

## HIGHLIGHTS MAY 7–9

### KEYNOTE SPEAKER RECEPTION AND MOVIE NIGHT RECEPTION

A chance to relax and connect with your colleagues before the keynote speaker and movie night. Hors d'oeuvres will be served throughout the Networking Lounge (Ocean Foyer, level 2).

### KEYNOTE PRESENTATION: CHARLES WALKER, DIRECTOR, ZAHA HADID ARCHITECTS

The AIBC is delighted to announce that Charles Walker, Director of world-renowned Zaha Hadid Architects, will kick off this year's conference. A registered architect with the Royal Institute of British Architects, Member of the Institution of Structural Engineers, and a Chartered Engineer, Charles has worked on projects such as the King Abdullah Petroleum Studies and Research Center, Danjiang Bridge and the New Beijing Airport Terminal.

Charles will speak to his work with Zaha Hadid Architects – a leading international firm which is known for its innovation and pushing the boundaries of architectural design – in relation to this year's conference theme of Spaces Between, as well as provide a critical evaluation of modern-day architecture.

### MOVIE NIGHT: BIG TIME (2017)

According to The Wall Street Journal, Bjarke Ingels has 'rapidly become one of the design world's biggest stars.' An intimate insight into the life of a genius innovative mind and his struggle to maintain his own persona while making the world a better place to live.

*Big Time* follows star architect Bjarke Ingels over a period of seven years while he is struggling to complete his largest projects yet, the New York skyscraper W57 and 2 World Trade Center.

Directed by: Kaspar Astrup Schröder

### NETWORKING LOUNGE

Relax between sessions in our Networking Lounge! Catch up with colleagues, reflect on your new learnings, connect with our on-site sponsors and fuel up for the next session. Open hours: Monday 5–7 p.m., Tuesday 10 a.m. to 7 p.m. and Wednesday 10 a.m. to 3:30 p.m.

### AIBC HUB

Your one-stop-shop for all things AIBC! Our information booth is a centralized hub in the Networking Lounge where you can get all your conference related questions answered and talk to AIBC staff about programs, services and volunteer opportunities.

### USEFUL INFORMATION

**Breakfast + Lunch:** will be served on level 3, outside the Summit (Room 301–305).

**Breaks:** light snacks and refreshments served throughout the Networking Lounge (Ocean Foyer, level 2).

### THANK YOU

The AIBC would like to extend a special thank you to the members of the AIBC Annual Conference Professional Development Committee. These dedicated volunteers and AIBC staff have spent many hours putting together the PD program. A very big thank you!

- Tara Simmer Architect AIBC
- Jacquelyn Richard Architect AIBC
- Spencer Purdy Architect AIBC
- Nitasha Rajora Architect AIBC
- Collin Crabbe Architect AIBC
- Joceline Martel Architect AIBC
- Paul Becker Architect AIBC P.Eng.
- Alexandra Kokol, Professional Services Manager, AIBC
- Jaishree Sundar, Professional Services Coordinator, AIBC

# MONDAY

SCHEDULE MAY 7



Sessions and speakers are subject to change. For the most up-to-date information please visit the conference website at [conference.aibc.ca](https://conference.aibc.ca).

# MONDAY

## EVENTS MAY 7

### 99<sup>TH</sup> AIBC ANNUAL MEETING

3 – 4:30 p.m. Registration at 2 p.m.

This important event is a key opportunity to hear from your elected council about the past year, learn more about the Institute's plans for the upcoming year and discuss areas of interest or concern. 2018/19 council election results will be announced.

Light refreshments provided at 2 p.m.

2 Non-core LUs

Room 301–305

### COUNCIL CONSULTATION SESSION: 2019–2023 AIBC STRATEGIC PLAN

4:30 – 5 p.m.

In early 2018, the AIBC initiated a project to set the strategic direction of the Institute for the next five years, as the current 5-Year Strategic Plan is set to expire at the end of 2018.

As part of the member consultation phase of the project, immediately following the adjournment of the 99<sup>th</sup> Annual Meeting, the AIBC Council invites members and associates to join them for a facilitated session. This session will include a review of the current plan goals, a report from council's situation analysis exercise, and a question and answer portion to obtain member and associate input into the process.

AIBC Council invites and encourages members and associates to attend this important and informative session.

LUs combined with Annual Meeting

Room 301–305

### NETWORKING LOUNGE

5–7 p.m.

The Networking Lounge is a furnished concourse where you can spend time with colleagues and engage with on-site sponsors.

Ocean Foyer

### OPENING RECEPTION

5–7 p.m.

A chance to relax and connect with your colleagues before the keynote speaker. Hors d'oeuvres will be served throughout the Networking Lounge.

Ocean Foyer

### KEYNOTE PRESENTATION: CHARLES WALKER, DIRECTOR, ZAHA HADID ARCHITECTS

7–9 p.m.

The AIBC is delighted to announce that Charles Walker, Director of world-renowned Zaha Hadid Architects, will kick off this year's conference. A registered architect with the Royal Institute of British Architects, Member of the Institution of Structural Engineers, and a Chartered Engineer, Charles has worked on projects such as the King Abdullah Petroleum Studies and Research Center, Danjiang Bridge and the New Beijing Airport Terminal.

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1.5 Core LUs

Room 301–305

# TUESDAY

## SCHEDULE MAY 8

7:00 a.m.			
	BREAKFAST + REGISTRATION		
8:30 a.m.	<b>T1</b> <b>PLENARY SESSION</b> <b>VANCOUVER: PUBLIC LIFE AND PUBLIC SPACE</b> ROOM 301-305		
10:00 a.m.			
10:30 a.m.		BREAK	
	<b>T2</b> ROOM 221/222 <b>PARTICIPATORY DESIGN: RECLAIMING SPACE, RECLAIMING POWER</b>	<b>T3</b> ROOM 220 <b>MOLE HILL: THE CREATION OF AN AFFORDABLE HOUSING COMMUNITY</b>	<b>T4</b> ROOM 223/224 <b>BEYOND SPACES FOR WOMEN AND MEN: THE GROWING NEED FOR AND BENEFITS OF UNIVERSAL FACILITIES</b>
12:00 p.m.			
		LUNCH	
1:30 p.m.			
	<b>T5</b> ROOM 221/222 <b>AM I THE BOSS YET?</b>	<b>T6</b> ROOM 220 <b>BETWEEN PEOPLE AND SPACE</b>	<b>T7</b> ROOM 223/224 <b>FIRE AND SPACES BETWEEN</b>
3:00 p.m.			
3:30 p.m.		BREAK	
	<b>T8</b> ROOM 221/222 <b>STRONG PRACTICE ROADMAP</b>	<b>T9</b> ROOM 223/224 <b>EXTRAORDINARILY ORDINARY: BROCK COMMONS TALLWOOD HOUSE</b>	<b>T10</b> ROOM 220 <b>ENERGY MODELLING AND THE BC ENERGY STEP CODE</b>
5:00 p.m.			
6:00 p.m.	<b>MOVIE NIGHT RECEPTION</b> OCEAN FOYER		<b>CONNECT 360</b> OCEAN FOYER
			<b>ExAC INFO SESSION</b> ROOM 220
7:00 p.m.			
	<b>MOVIE SCREENING</b> <i>Big Time (2017)</i> ROOM 301-305		
9:00 p.m.			

Networking Lounge

# TUESDAY

## EVENTS MAY 8

### NETWORKING LOUNGE

10 a.m. – 7 p.m.

The Networking Lounge is a furnished concourse where you can spend time with colleagues and engage with on-site sponsors.

Ocean Foyer

### CONNECT 360

5–6 p.m.

Bringing intern architects, architecture students and professionals together for a fast-paced speed networking event, Connect 360 is back! Hosted in partnership with the Intern Architect Committee, participants will have the opportunity to learn about each others' experiences in the profession and forge new connections. Check-in at the AIBC Hub.

Ocean Foyer

### EXAC INFO SESSION

6–7 p.m.

Attention ExAC applicants, this free info session is for you. Set yourself up for success with a head start on understanding the Examination for Architects in Canada (ExAC) eligibility requirements and general exam information.

Room 220

### MOVIE NIGHT RECEPTION

5–7 p.m.

A chance to relax and connect with your colleagues before the keynote speaker. Hors d'oeuvres will be served throughout the Networking Lounge.

Ocean Foyer

### MOVIE NIGHT SCREENING: *BIG TIME* (2017)

by Kaspar Astrup Schröder, 7–9 p.m.

According to The Wall Street Journal, Bjarke Ingels has 'rapidly become one of the design world's biggest stars.' An intimate insight into the life of a genius innovative mind and his struggle to maintain his own persona while making the world a better place to live.

*Big Time* follows star architect Bjarke Ingels over a period of seven years while he is struggling to complete his largest projects yet, the New York skyscraper W57 and 2 World Trade Center.

1.5 Non-core LUs

Room 301–305



# TUESDAY

## SESSIONS MAY 8

### T1: VANCOUVER: PUBLIC LIFE AND PUBLIC SPACE

John Bela ASLA, Director, Gehl San Francisco

The City of Vancouver is undertaking a major planning project for downtown Vancouver; a 30-year strategy to shape and deliver vibrant public spaces. In partnership with Gehl, The City conducted a Public Space and Public Life Study to collect 'people data' to understand how people use and spend time downtown. What are we learning about public life and public space? What do architects need to know? How can architects influence the design of these spaces?

1.5 Core LUs

Room 301–305

### T2: PARTICIPATORY DESIGN: RECLAIMING SPACE, RECLAIMING POWER

Jennifer Fix MCIP RPP, Associate, DIALOG

Who is design for? Low attendance by minority groups, such as indigenous peoples, at public events is often interpreted as a sign of consent or apathy. As such, designs are developed, adopted and implemented without the participation of many of the people who will be affected by them. This presentation explores strategies in which architects can meaningfully engage diverse voices in the city-building process, vastly improving their designs.

1.5 Core LUs

Room 221/222

### T3: MOLE HILL: THE CREATION OF AN AFFORDABLE HOUSING COMMUNITY

Sean McEwen Architect AIBC; Quentin Wright, Executive Director, Mole Hill Community Housing

Mole Hill is the oldest block of vintage, City-owned homes in Vancouver's West End. In the mid-1990s, the City of Vancouver was encouraged to preserve and upgrade the houses as a mixed-income community. Mole Hill has created a legacy of preserving Vancouver heritage while providing housing for a range of incomes and social diversity. Presenters will describe the process of consultation and negotiation which succeeded in creating the community.

1.5 Core LUs

Room 220

### T4: BEYOND SPACES FOR WOMEN AND MEN: THE GROWING NEED FOR AND BENEFITS OF UNIVERSAL FACILITIES

Kai Scott MA; Aiden Callison Architect AIBC LEED AP M.Arch.; Fiona Jones M.Arch. B.A. & Sc.

Using a gender diversity lens, this session shares best practices from case studies of community centres with universal washrooms and change rooms. Presenters explain guiding principles and provide examples of features, functions and considerations to support safety, community and privacy. Informed design strategies for universal facilities demonstrate how design can be used as a tool for social equity and inclusivity.

1.5 Core LUs

Room 223/224

### T5: AM I THE BOSS YET?

Carol Jones RID FIDC FIIDA D.Litt.; Richard Pollack FAIA FIIDA

Many architects are interested in starting their own firms, but don't know how to begin. Listen to two senior practitioners describe the opportunities and pitfalls associated with firm ownership. Learn whether ownership is for you, and about the different routes to get there – including everything from a partnership in an existing firm to starting your own. Find out how to position yourself and develop your skills and resources to fast-track your career path to ownership.

1.5 Core LUs

Room 221/222

### T6: BETWEEN PEOPLE AND SPACE

Alex Beim, Creative Director, Tangible Interaction

As technology advances, it is harder for people to live in the moment and enjoy their surroundings. This session reconsiders the way a building works to make it feel alive and connected to the people living and working within it. Participants will leave the session able to identify opportunities in their designs where spaces could be brought to life and equipped with an understanding of how this can augment our experiences and interactions with the built environment.

1.5 Core LUs

Room 220



# TUESDAY

## SESSIONS MAY 8

### T7: FIRE AND SPACES BETWEEN

Gordon Richards Architect AIBC FRAIC CP; Donald Hazleden Architect AIBC

On June 14, 2017 a fire occurred at the 24 storey, Grenfell Tower apartment building in London, England. More than 70 people died or succumbed to their injuries. Could this happen in British Columbia? This session will review exposure issues between buildings, limiting distance, combustible cladding issues and the use of foam plastic in exterior walls. It will include a historical look at the National Building Code of Canada and recent developments in exterior wall requirements.

1.5 Core LUs

Room 223/224

### T8: STRONG PRACTICE ROADMAP

Rick Linley FRAIC LEED AP

The space between where your firm is now and its true potential can be difficult to bridge. Firm owners are consumed by the day-to-day whirlwind of acquiring and executing projects. Navigating the space between actual and aspirational practice strength can be challenging. This session will provide a framework for participants to evaluate the strength of their current practice and offer strategies to achieve a stronger firm.

1.5 Core LUs

Room 221/222

### T9: EXTRAORDINARILY ORDINARY: BROCK COMMONS TALLWOOD HOUSE

Russell Acton Architect AIBC AAA SAA OAA FRAIC

Brock Commons Tallwood House is the tallest contemporary mass wood building in the world. To reduce costs and facilitate approvals, a 'Keep it Simple' design approach was used, which featured encapsulation of the mass wood structure. Brock Commons aspires to be a model for a future featuring mid-rise mass wood buildings that are quick, clean and cost-effective to build, while maximizing carbon sequestering and reduction of greenhouse gas emissions.

1.5 Core LUs

Room 223/224

### T10: ENERGY MODELLING AND THE BC ENERGY STEP CODE

Susan Hayes P.Eng. LEED AP BD+C CPHC; Riley Beise P.Eng. BEMP CPHD

This session will focus on the role of energy modelling in design and code compliance, particularly under the new BC Energy Step Code. Along with a basic overview of simulation options and targets, the Energy Modelling Guidelines that govern BC Energy Step Code simulations and requirements will be reviewed. A sample project will be used to demonstrate real world experiences, before concluding with a summary of key take-aways, tips and resources.

1.5 Core LUs

Room 220

# WEDNESDAY

SCHEDULE MAY 9

7:00 a.m.			
	BREAKFAST + REGISTRATION		
8:30 a.m.	<b>W1</b> ROOM 221/222 PRACTICE TOOL BOX	<b>W2</b> ROOM 220 TOTAL CITY	<b>W3</b> ROOM 223/224 MOHAWK COLLEGE JOYCE CENTRE FOR PARTNERSHIP AND INNOVATION: A SYMBIOTIC DESIGN
10:00 a.m.			
10:30 a.m.		BREAK	
	<b>W4</b> ROOM 220 ADVENTURES IN INVENTING A NEW ARCHITECTURAL PRACTICE	<b>W5</b> ROOM 221/222 A CANVAS FOR COLLABORATIVE CREATION: EMILY CARR UNIVERSITY OF ART + DESIGN	<b>W6</b> ROOM 223/224 TRANSITIONING PART 3 BUILDING DESIGN TO PASSIVE HOUSE STANDARDS
12:00 p.m.			
1:30 p.m.		LUNCH	
	<b>W7</b> ROOM 223/224 URBANARIUM'S MISSING MIDDLE COMPETITION	<b>W8</b> ROOM 220 MAKE SPACE TO INNOVATE	<b>W9</b> ROOM 221/222 ARCHAEOLOGY AND DEVELOPMENT IN B.C.: REGULATIONS AND BEST PRACTICES
3:00 p.m.			
3:30 p.m.		BREAK	
	<b>W10</b> ROOM 223/224 ADVISORY DESIGN PANELS: THE INSIDER'S VIEW	<b>W11</b> ROOM 221/222 SPACES BETWEEN PROJ- ECTS: GETTING PUBLISHED, WINNING AWARDS, FINDING YOUR NEXT PROJECT	<b>W12</b> ROOM 220 THE GOOD. THE BAD. AND THE UGLY. THREE APPROACHES TO A NEW FAÇADE ON AN EXISTING BUILDING
5:00 p.m.			

Networking Lounge

# WEDNESDAY

## EVENTS MAY 9

### NETWORKING LOUNGE

10 a.m. – 3:30 p.m.

The Networking Lounge is a furnished concourse where you can spend time with colleagues and engage with on-site sponsors.

Ocean Foyer

### ENGAGING IN SPACES BETWEEN

12 – 1:30 p.m.

Join your fellow attendees to mark the last day of conference during this engaging lunch. After checking-out the delicious offerings at the buffet, indulge your inner child with a s'more. Drop by the interactive wall to see how your colleagues are filling the spaces between with their drawings.

Room 301–305

### Photo Release

Conference activities may be photographed and/or recorded. Images and video taken at this event may be utilized for AIBC news or promotional material in print, electronic or other media including AIBC's website and social media channels. By participating you grant the AIBC the right to use your name, video and photograph for such purposes.

# WEDNESDAY

## SESSIONS MAY 9

### W1: PRACTICE TOOL BOX

Jeff McLellan, Vice President, Client Executive and the Western Region Practice Leader for Architects and Engineers, BFL Canada; Craig Wallace P.Eng., Principal, SHK Law Corporation; Don Smith, SHK Law Corporation

This session will connect the spaces between practice, business and risk management. A panel of recognized legal and risk management experts will share important information on client expectations, Standard of Care, Warranties and Guarantees, and other key items that practitioners should avoid at all costs. They will also discuss the importance of having a proper contract and provide examples of claims that architects regularly face and the implications for practice.

1.5 Core LUs

Room 221/222

### W2: TOTAL CITY

Dustin Couzens, Co-founder, MoDA; Ben Klumper, Co-founder, MoDA

Exploiting housing as a tool of capital has changed the architect's role from social agent to economist, as the theme of design appears to reside less with innovation, and more to the gentrifying forces of proformas and real-estate specifications. This current paradigm from which we continue to construct housing lacks a recognizable agenda outside of maximizing profit. This session explores models that exemplify innovative thinking with respect to housing and its critical relationship to the city.

1.5 Core LUs

Room 220

### W3: MOHAWK COLLEGE JOYCE CENTRE FOR PARTNERSHIP AND INNOVATION: A SYMBIOTIC DESIGN

Kevin Stelzer B.E.S B.Arch. OAA NLAA MRAIC LEED AP BD+C BSSO; Joanne McCallum BA M.Arch. OAA FRAIC LEED AP; Tony Cupido Ph.D. P.Eng.

Once open in fall 2018, the Joyce Centre for Partnership and Innovation will be among Canada's first net-zero institutional buildings. A living lab for sustainable learning and technologies, the building is designed to be symbiotic in its relationship to the user and environment. This presentation will explore the space between these connections and the importance of a cultural shift in how we interact with the built environment.

1.5 Core LUs

Room 223/224

### W4: ADVENTURES IN INVENTING A NEW ARCHITECTURAL PRACTICE

Peter Atkinson Architect AIBC MRAIC LEED AP BD+C; Bruce Haden Architect AIBC MRAIC LEED AP

Architecture is a creative profession, but when it comes to business practice, architects can sometimes lose their creative edge. In this session, the co-founders of Human Studio Architecture and Urban Design will critique traditional practice strategies and outline alternative technology and human factors they are testing. Participants will learn how to build an organization that supports design excellence, financial success, and high quality of life.

1.5 Core LUs

Room 220

### W5: A CANVAS FOR COLLABORATIVE CREATION: EMILY CARR UNIVERSITY OF ART + DESIGN

Ron Burnett C.M. O.B.C Chevalier RCA; Donald Schmitt Architect AIBC OAA; Michael Houle, Vice President, Client and Market Engagement, Partnerships BC

This panel discussion will explore how the architectural design and delivery of the recently completed Emily Carr University of Art + Design reflects the university's objectives in the context of the P3 procurement process. From the decision to uproot from Granville Island to the city-building potential of relocating to the False Creek Flats, the university's role as both institution and urban catalyst will be explored.

1.5 Core LUs

Room 221/222

### W6: TRANSITIONING PART 3 BUILDING DESIGN TO PASSIVE HOUSE STANDARDS

Zina Berrada BS Arch MSc SED LEED CPHD; Jason Packer B.Admin Dip.Tech, LEED AP BD+C CPHC, Principal, Senior Green Building Strategist, Recollective Consulting; Paul Whalen FAIA, Partner, Robert A.M. Stern Architects

Designing buildings to meet Passive House performance levels requires designers to adapt common processes and embrace a more holistic and integrated approach to architecture. The complex requirements of Non-Residential Part 3 buildings demand a more active role in developing sustainable strategies from project start to completion. Attend this session to learn from firms charting new territory for Passive House design in the City of Vancouver.

1.5 Core LUs

Room 223/224

# WEDNESDAY

## SESSIONS MAY 9

### W7: URBANARIUM'S MISSING MIDDLE COMPETITION

Presented by participants of the Missing Middle competition

The Missing Middle Competition is an open design competition to develop exciting options for addressing Metro Vancouver's housing affordability crisis. Entrants selected one or two single-family lots to design and provide contextual assessment based on their study area and municipal plans and by-laws. This presentation showcases the competition's winning submissions, and addresses the successes and challenges that entrants encountered when designing their submissions.

1.5 Core LUs

Room 223/224

### W8: MAKE SPACE TO INNOVATE

Steven Cox, Head of Creative, Rize; Chris Vollan, President of Projects, Rize

Innovation within real estate development is challenging, as big new ideas are often viewed as too risky and result in shallow versions of the original concept. By running a separate and creative process in parallel with the traditional development stream, RizeLab has found opportunities to change the way future communities are built. This session presents innovations being used to influence housing design and typologies, development business models, and evolution of the workspace.

1.5 Core LUs

Room 220

### W9: ARCHAEOLOGY AND DEVELOPMENT IN B.C.: REGULATIONS AND BEST PRACTICES

Adrian Myers RPA Ph.D.

This session introduces archaeology in the context of development projects. An overview of the legal framework that regulates archaeology and protects archaeological sites, as well as the best practices for managing archaeological risk, will be discussed. Participants will leave the session better equipped to work with archaeological professionals on their project teams and to manage archaeology as a potential source of risk.

1.5 Core LUs

Room 221/222

### W10: ADVISORY DESIGN PANELS: THE INSIDER'S VIEW

Miko Betanzo PhD MArch, Senior Planner Urban Designer, City of Victoria; Ryan Bragg Architect AIBC MAA MRAIC LEED AP BD+C, Principal, Perkins+Will; Anita Molaro Architect AIBC, Assistant Director, Urban Design, City of Vancouver; Colette Parsons MBCSLA MCIP RPP, Principal, Studio Parsons; Walter Franci Architect AIBC FRAIC P.Eng. LEED AP

Design Panels provide an invaluable resource to the governments they serve. However, there is still some mystery about how they operate. How do architects get appointed to a panel? What makes for a successful presentation? Join our panel of experts for a lively discussion of the architect's role as both panel member and presenter. Topics covered will include the history of design panels in B.C., current regulations and how panels contribute to the built environment.

1.5 Core LUs

Room 223/224

### W11: SPACES BETWEEN PROJECTS: GETTING PUBLISHED, WINNING AWARDS, FINDING YOUR NEXT PROJECT

Stacy Kendall, Special Projects Editor, GRAY Magazine; Martin Knowles POCP, Owner and Photographer, Martin Knowles Photo/Media

Congratulations, your project is done! Before you jump into the next one, now is the time to: get your project published, receive acclaim and recognition from your peers, and use that to attract more business to your firm. This session explores case studies and best practices for writing about your project, having it photographed and working with print and online media outlets to further the reach and impact of your work.

1.5 Core LUs

Room 221/222

### W12: THE GOOD. THE BAD. AND THE UGLY. THREE APPROACHES TO A NEW FAÇADE ON AN EXISTING BUILDING

Leonard Pianalto BASc MSc P.Eng. LEED AP FEC

We are living in a time where many of our existing buildings are approaching their design service life. Energy costs continue to rise along with expectations for building occupant comfort. This talk will present case studies to explore three approaches; façade retrofits; installation of a new veneer system over the existing framing; and full replacement of the complete building skin.

1.5 Core LUs

Room 220

# THANK YOU

## TO OUR GENEROUS SPONSORS

### BROAD DELEGATE REACH



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BFL Canada is the largest employee-owned and operated commercial insurance broker and consulting services firm in Canada.

### TARGETED PRESENCE



**REinVR**  
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### INDIVIDUAL ENGAGEMENT

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