

2017 Wood Design Luncheon Conferences

Pre-fabrication, Tilt-up and Tall Wood

Navigating new methodologies and adopting best practices in wood design and construction

Wednesday, November 22nd: KELOWNA Delta Hotels by Marriot Grand Okanagan Resort & Conf. Centre, 1310 Water Street
Friday, November 24th: VICTORIA Delta Hotels by Marriot Victoria Ocean Pointe Resort and Spa, 100 Harbour Road

9am: Registration and Exhibits Open

10am – 11am: Carbon12: A CLT Case Study in Design and Construction:

Kristin Slavin, Associate, AIA, LEED BD+C, PATH Architecture, Portland, OR

PATH Architecture and Kaiser Group Inc. are sister companies that develop, design and build. Hear Kristin Slavin, Associate at PATH Architecture, discuss why the team decided to use wood as the primary structural material in projects, how that decision has evolved, and what they plan to do next. You will learn how the team navigated regulatory and construction hurdles on Carbon12, the tallest wood building in the US at completion, what lessons were learned, and what they would change for future projects. PATH and Kaiser Group remain committed to pushing the limits for more sustainable mid- and high-rise buildings.

11am - 12pm: Timber Pre-Fabrication of the Brock Commons Building:

Karla Fraser, Senior Project Manager, Urban One Builders, Vancouver, BC

With the successful completion of the 18-storey mass timber hybrid Brock Commons at UBC Vancouver, much was learned about the detailed planning, coordination and scheduling in larger and taller structures using wood. This session will explore what was learned, the broader application of this approach to design and building, and where the industry goes from here. As with any project that pushes boundaries, this structure has generated interest from around the globe for its departure from traditional construction materials, systems and methods. As the Senior Project Manager, Karla was the conductor of a very large orchestra with a backstory that goes beyond the innovative mass timber structural system. She will outline the 3D modelling, prefabrication, assembly on site, and the resulting fast construction critical path while highlighting the many new processes used in this amazing project. The result: a viable, repeatable and adaptable building system that may redefine our cityscapes.

12pm: Complimentary Hot Lunch, Networking & Exhibits

1pm – 2pm: Ronald McDonald House: A case study on hybrid tilt-up construction:

Jing Kong, Senior Structural Engineer, Equilibrium Consulting Inc., Vancouver, BC

Ronald McDonald House is featured as a hybrid system of mass timber and light wood frame construction. This building may be the first to use CLT walls in a tilt-up balloon-frame application, making fast track construction possible. The mass timber (CLT) walls serve as both a gravity load and lateral load resisting system and also provided a sound base structure for the brick veneer envelope. A commonly used I-joint floor system added further construction efficiency and construction cost savings. Exposed CLT roof panels were employed in the common room, achieving an aesthetically pleasing space for a “home away from home” for out-of-town families with children receiving medical treatment at BC Children’s Hospital. Jing Kong will provide insight into further application of these design and construction methodologies beyond this type of residential structure.

2pm: Conference Program Ends – View the Exhibits!

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SPEAKER BIOS



Kristin Slavin, Associate, AIA, LEED BD+C, PATH Architecture, Portland, OR

Kristin Slavin is an Associate at PATH Architecture in Portland, Oregon. Her varied professional interests make her a great fit for the all-inclusive approach to building design and construction that PATH Architecture fosters. She takes projects from conception and funding through project completion, and has become a leader in mass timber construction in the US.



Karla Fraser, Senior Project Manager, Urban One Builders Construction Management Inc., Vancouver, BC

Karla has worked in construction for over 20 years and has attended Southern Alberta Institute of Technology, Civil Engineering Technology program. A move from Manitoba and Alberta to BC has provided opportunities to work in infrastructure, commercial and tower projects. She says the Brock Commons project is the most unique challenge to date with the unique sequencing and speed of construction.



Jing Kong, Senior Structural Engineer, Equilibrium Consulting Inc., Vancouver, BC

Jing has more than twenty years of structural experience in both Canada and China. He has been a part of numerous high-profile, architecturally-oriented projects that include commercial, educational, recreational, residential and industrial. He has a Master's degree from the University of British Columbia and a Bachelor's degree from Southeast University of China in Structural Engineering.

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