



## Conference Agenda

### Wednesday 28th April 2021

 11:00 - 11:05  
MC OPENS

 11:05 - 11:30

#### INTERNATIONAL KEYNOTE

##### Developing the World's Tallest Net Zero Timber Building

- Exploring Timber's Potential Impact on Building Design, Manufacturing and Sustainability

The challenge of designing the world's tallest mass timber building came with some unique problems to solve for, chiefly the lateral forces of wind, and massing for optimal structural integrity and functional efficiency. To make this challenge even more ambitious, the architects were tasked with creating a building that could be factory-built for fast assembly on-site. Join Steven Paynter for his keynote talk to learn how Gensler partnered with Alphabet-owned company, Sidewalk Labs, to produce a prototype design for the world's tallest mass timber skyscraper. He will give an overview of a 14-month long process of research and development including the work completed with Sidewalk Labs, as well as taking the best work from Gensler's growing Smart City and Sustainably portfolio. The talk will cover the challenges of structural design, life safety, and new approaches to fire and sustainability.

Steven Paynter, OAA, ARB, Principal - NE Regional Practice Area Leader, Gensler



🕒 11:30 - 12:10

## PANEL DISCUSSION Navigating the High-Rise World in the COVID era

The COVID-19 pandemic will continue to impact property development and the financing of tall building projects. How can developers navigate this new terrain, to ensure the right high-rise projects are financed and built?

- With apartment sales slowing swiftly Australia-wide, is the high-rise sector worth investing in at this stage?
- How can developers work around this climate to achieve success in the skyscrapers sector?
- How can architects collaborate with developers to create sustainable high-rises?
- The role of technology in developing humanised, high-quality tall buildings
- Future of office buildings in the post pandemic era

Daniel Cruddace, Senior Practice Director, Architecture BVN  
Gary Henighen, Senior Associate, Architectus  
Laurie Aznavoorian, Leader, Strategy and Research, BATESSMART



🕒 12:10 - 12:20  
COFFEE BREAK

🕒 12:20 - 12:40

## Designing Australia 108

- The genesis of Australia 108, the tallest residential tower in the Southern Hemisphere
- The client journey and the design process of the building currently sitting in the Melbourne skyline
- The unique set of technical challenges to overcome in bringing this project to life
- What is the future for projects like these in Australian cities?

Craig Baudin, Director, Fender Katsalidis



🕒 12:40 - 13:20

## Panel discussion How will the COVID-19 Pandemic Shape Future Cities and High-Rises

- Pandemic proofing city buildings through mixed-mode and natural ventilation
- Building Resilience in the Built Environment
- Pre-fab construction as a post COVID-19 design alternative
- Residential Elevator Designs in the Post-COVID world

Glen Pederick, Building Services Leader - Victoria, Arcadis  
Julian Anderson, Director, BATESSMART  
Natalie Burdon, Senior Manager – Development, GPT Group



🕒 13:20 - 13:40  
LUNCH BREAK

🕒 13:40 - 14:00

### **Collins Arch – the conception and realisation of Melbourne's newest mixed-use skyscraper**



- Case Study: Collins Arch (447 Collins St); a 44 storey twin tower that boasts an impressive arch shaped silhouette, nestled within the central Melbourne CBD skyline.
- With its striking form and the nature of its mixed-use programming, various complexities were presented to the design team and consultants through the coordination and construction phases of this landmark building. What defined these complexities and how were they overcome?
- In a contemporary global city like Melbourne, Australia, what are the factors to consider when designing large scale mixed-use towers? How were these applied to Collins Arch?

Blair Parkinson, Senior Associate, Woods Bagot

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🕒 14:00 - 14:20

### **Re-Evaluating Melbourne: Retaining the City's Civic Soul Amongst a Sea of Skyscrapers**



In an effort to manage a rapidly growing population, Melbourne's buildings are becoming taller; its city more densified.

How can designers and planners of these vertical buildings help future-proof the city to ensure that amongst these changes, Melbourne retains and even builds upon its unique character?

Leanne Hodyl, Managing Director, Hodyl + Co

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🕒 14:20 - 14:40

### **Designing Central Place Sydney: A New Home for Tech Innovation**



Jarrad Morgan, Design Associate, Skidmore, Owings & Merrill

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🕒 14:40 - 15:00

### The Virtual Tower - Design Through to Operation



There has been an enormous rate of uptake in virtual technologies across all industries over the last 5 years. The construction industries have led in this space due to the excellent fit of visual technologies with the built environment. From BIM (Building Information Models) to the dawning of the "Digital Twin" otherwise known as smart buildings, with swaths of sensors and monitoring technologies for improved building operation that can be shared across increasingly fast data networks; we are seeing technology have a huge impact on buildings.

Nowhere is this more apparent than in the design, delivery and operation of our modern SkyScrapers, as the dependability, quality and functionality of our mixed-use developments, with growing communities moving towards vertical landscapes, are vital to the positive development and functioning of our smart cities.

This presentation will explore concepts of virtual technologies for design through to operation, and how Digital Twins (a new concept in operational efficiency) can aid in both the front end delivery of the built environment and the continuing operation of buildings through intuitive interaction of occupants with virtual spaces.

Case studies will be presented in live realtime environments, exploring a range of virtual use cases that will explore how the design process was aided with interactive media, and highlight the long term value generated from integrated virtual models to the development.

Jeremy Harkins, Director, ineni Realtime

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🕒 15:00 - 15:05  
MC CLOSSES

Agenda is subject to change  
\*Speakers to be confirmed

An Event by:



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