



Conference Agenda

Day 1 - 25 June 2019


 **08:00 - 08:50**
REGISTRATION

 **08:50 - 09:00**
MC OPENS

 **09:00 - 09:30**

Speed Networking

This speed networking session will allow delegates to introduce themselves and swap business cards with other conference attendees.

 **09:30 - 10:00**

Unearthing a Vertical City: The Southbank by Beulah Competition

- Designing a skyscraper for international significance.
- Contributing to the surrounding city.
- What developers look for when selecting high-rise designs today – how a design can stand out in an age of innovation.



Adelene Teh, Executive Director/Co-Founder, Beulah International

🕒 10:00 - 10:30

The Green Spine: Future-Proofing Melbourne

- Exploring the winning design of Beulah International's Southbank project, and its contribution to a healthier, greener Melbourne.
- The magic of collaboration between design professionals: how effective communication on skyscraper designs lead to successful results.
- Unpacking how the design pays homage to Melbourne's diverse culture, and how it connects to the broader city precinct.

Jan Schellhoff, Associate Director, UNStudio, Netherlands



🕒 10:30 - 11:00
TEA BREAK

🕒 11:00 - 11:45

PANEL DISCUSSION

Going Green: Sustainable Skyscrapers and the Challenges Surrounding their Inception

- Exploring the latest trends in sustainable architecture.
- Does eco-friendliness come at the expense of practicality and safety when designing skyscrapers?
- How tech and green design elements can successfully co-exist.

Jonathan Cowle, Associate Principal, Rothelowman

*Nadine Samaha, Creative Director, Level Architektur Konstrukt



🕒 11:45 - 12:15

The Healthier the Building, the Healthier the Tenant?

- Case study: the workplace of tomorrow, 477 Collins Street's 'Olderfleet' tower.
- Analysing the process of achieving a WELL Platinum score/5-star NABERS rating: positively impacting the structure itself, the tenants housed within, and the surrounding city.
- Future-proofing high-rises for future generations.

Cameron Dymond, Associate Principal/Regional Property Leader, Arup



🕒 12:15 - 12:45

Passive House High-Rises

- Are passive house buildings an eco-friendly solution for the future, even in the form of tall buildings?
- Retrofitting high-rises to the passive house standard.
- Would Australia benefit from this standard?

🕒 12:45 - 13:45
LUNCH BREAK

🕒 13:45 - 14:15

Technology and the Skyscraper: Opportunities, Changes, Challenges



- Utilising new BIM software to aid in efficient design and construction coordination for tall buildings.
- The challenges of new technology within design and construction processes.
- What does the future hold?

Ray Brown, Managing Director, Architectus

🕒 14:15 - 14:45

Engineering High-Rises Smartly and Innovatively



- Case study: Brisbane's 300 George Street, the 4th largest Australian high-rise.
- Engineering major high-rise projects: cost-effective, efficient solutions.
- Challenging the status quo: thinking outside the box when proposing ideas.

Matteo Tirapelle, Founder/Managing Director, Hera Engineering

🕒 14:45 - 15:15

Creating Dynamic Designs: An International Perspective



- This presentation will draw from various local and international case studies, including Melbourne's Collins Arch.
- Overcoming challenges posed by location-related pressures.
- Activating the ground below: designing urban structures that allow for greater, safer, more public space.

William Sharples, Founding Principal, SHoP Architects, USA

🕒 15:15 - 15:45
TEA BREAK

🕒 15:45 - 16:30

PANEL DISCUSSION



The Importance of Collaboration in Fostering Effective Design Outcomes

- How to effectively work not only with clients, but with designers, consultants and engineers throughout the design process in order to ensure continuity for high-rise projects.
- Making use of new technologies that can help aid and improve collaboration.

Ray Marshall, Principal, ARM Architecture

🕒 16:30 - 17:00

The Skyscraper and the New Architect: What Emerging Designers Should Know

- Real-world knowledge for fresh out of school architects working on high-rise projects.
 - Navigating new technologies in a practical manner.
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🕒 17:00 - 17:30

Crown Sydney from an Engineer's Perspective

- Producing engineering solutions for a structurally complex project.
- Rising up to constraints – from its waterfront proximity to the site geology and sculptural nature of the sculpture.
- Benefits of utilising a 'top-down' method during the construction process.

*Simon Cloherty, General Manager, Robert Bird Group

🕒 17:30 - 17:35
MC CLOSES

🕒 17:35 - 18:35
COCKTAIL NETWORKING FUNCTION

Day 2 - 26 June 2019

🕒 07:50 - 08:20
REGISTRATION

🕒 08:20 - 08:30
MC OPENS

🕒 08:30 - 09:00

Speed Networking

This speed networking session will allow delegates to introduce themselves and swap business cards with other summit attendees.

🕒 09:00 - 09:30

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?

🕒 09:30 - 10:00

Can Skinny Skyscrapers Transform City Precincts?

- How can skinny skyscrapers benefit cities?
- Case study: the proposed super-skinny Magic Tower, to be housed in Melbourne.
- The role of new building technology in bringing the Tower to fruition.



Dylan Brady, Conductor, Decibel Architecture

🕒 10:00 - 10:30

Melbourne Square: Connecting the Structure to the Precinct

- Encouraging social and environmental wellness with green space and the provision of a public park within the Square.
- Accommodating diverse needs, ages and activities through architecture.
- The role of natural light in improving wellbeing and access to views.



Paul Curry, Director, Cox Architecture

🕒 10:30 - 11:00
TEA BREAK

🕒 11:00 - 11:30

Vertical Workplaces: Shaping the Way Organisations Operate

- Innovative design solutions for workplaces housed within tall buildings.
- The challenges of renovating older spaces in order to make them more smart, sustainable and contemporary.
- The benefits a vertical 'work city' within the interior of a tall building.



Abbie Galvin, Principal, BVN

🕒 11:30 - 12:00

Vertical Retirement Villages: Connecting to a City's Broader Technical Infrastructure



- Are vertical retirement homes a viable 'next generation' methodology of retirement living?
- Exploring the wellness factor of vertical villages.
- The role of smart and assistive technology in facilitating a high quality of life for residents.

Dr David Tuffley, Senior Lecturer in Applied Ethics & SocioTechnical Studies, Griffith University

🕒 12:00 - 12:45

PANEL DISCUSSION

Designing Skyscrapers for Modern Families



- Tall-building development is often focused on the 'buyers', or adults without children. What opportunities are present when broadening the scope of design and development for a broader family focus?
- How can we better consider designing for younger high-rise residents?
- What can we learn from cities commonly housing multiple generations within high-rise apartments?

Monique Woodward, Director, WOWOWA

🕒 12:45 - 13:45
LUNCH BREAK

🕒 13:45 - 14:30

PANEL DISCUSSION

The Developer and the Skyscraper: Where Have we Been, and Where are we Going?

- How did developers of the past bring about the inception of landmark skyscrapers? What can we learn from them?
 - Working around the challenges presented to developers in an era of changing expectations and developing technologies.
 - How the role of the high-rise developer shift in the future?
 - Exploring what quality high-rise means to the developer.
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🕒 14:30 - 15:00

Changing High-Rise Methodologies: Are High-Rise Pre-Fabs the Way to Go?

- Exploring the safety, efficiency, and sustainability-related benefits of building pre-fabricated high-rises.
 - Understanding how modular construction approaches fit into the traditional building code.
 - The role of new technology in modular & pre-fab high-rise construction.
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🕒 15:00 - 15:30

Rethinking Tall Building Fire Safety for the Future



- Skyscrapers are becoming increasingly taller – how will this impact fire-safety in the near future?
- The new challenges faced by designing fire-suppressant solutions within the high-rises.
- Is it possible to implement cost-effective fire-proof solutions within super-tall skyscrapers?

Mark Evans, Associate & Fire Engineering Leader, Aurecon

🕒 15:30 - 16:00
TEA BREAK

🕒 16:00 - 16:30

Building Code Changes and Their Impact on Skyscraper Façade Design



A number of landmark changes to the National Construction Code have recently been announced – what impact does this have on façade design for high-rise buildings?

How do we, as design professionals, refine the way we design facades amongst these changes, and yet still create quality, safe, and aesthetically pleasing building envelopes?

David Ritter, Associate Director, Atelier Ten

🕒 16:30 - 17:00

How the Past of the Skyscraper Can Inform the Present



- Looking beyond economic development and spatial efficiency: why moving past biases surrounding older, traditionally 'square' buildings can aid in designing flexible, resilient skyscrapers.
- Techniques taken for granted: How older methods such as the steel belt, outriggers system, and automated rising systems continue to inform design and construction on new and innovative skyscrapers throughout the world today.
- Understanding heritage skyscrapers as a way to tackle future urban-based and environmental challenges.

Dr Giorgio Marfella, Lecturer in Construction Management and Architecture, University of Melbourne

🕒 17:00 - 17:30

Comparing High-Rises Between Major Cities

From Mexico to Melbourne, New York to Tokyo, city skylines across the world are scattered with buildings, some trendy, others unique in form and inspired by the cities and cultures they inhabit.

What can we learn from high-rise design across the world? To what extent should tall-building typologies differ depending on locale and culture, and when should they be informed by structures designed millions of miles away?

🕒 17:30 - 17:40
MC CLOSES

Agenda is subject to change
*Speakers to be confirmed

An Event by:



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