

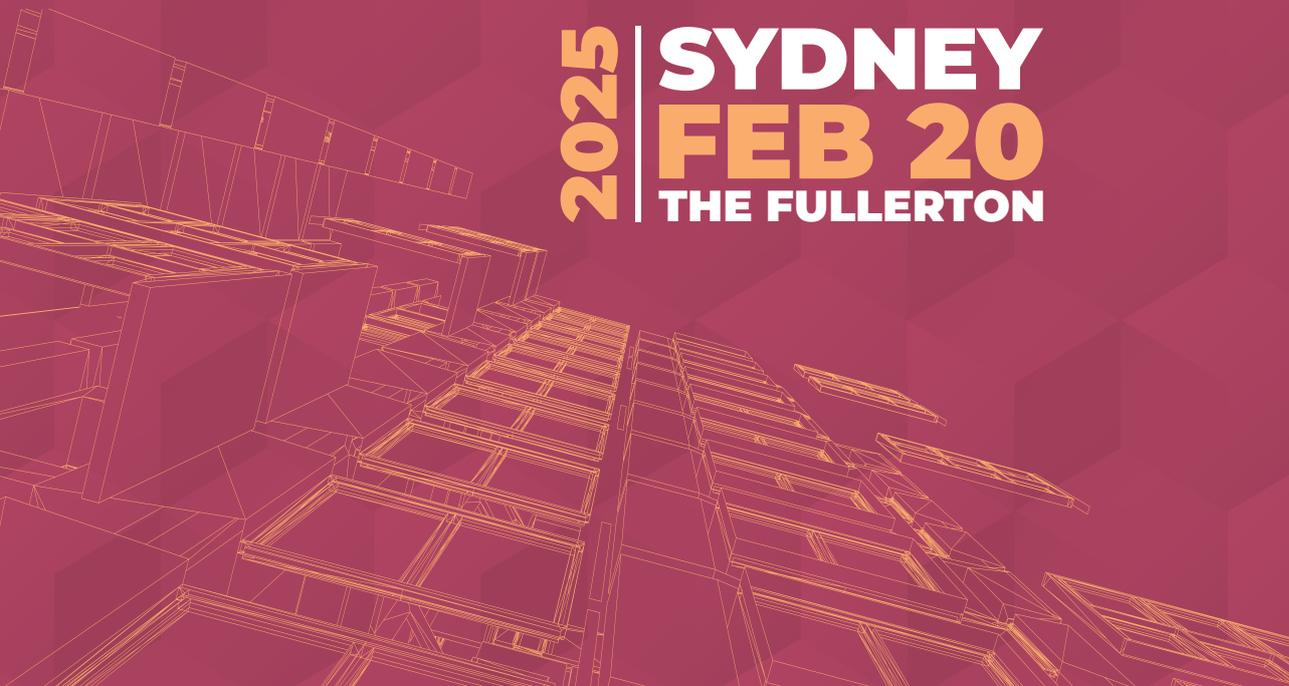
MASTERING THE CHALLENGES AND COMPLEXITY OF TODAY'S FAÇADES



WORLD OF FAÇADES

AUSTRALIA

2025 | **SYDNEY**
FEB 20
THE FULLERTON



MASTERING THE CHALLENGES AND COMPLEXITY OF TODAY'S FAÇADES

Sydney, Australia's largest and most dynamic city, stands as a global beacon for innovative architecture and forward-thinking design culture. Its architectural industry is one of innovation, collaboration, and transformation. As the city continues to grow and evolve, its architects, planners, engineers, and designers are shaping a built environment that is not only functional and beautiful but also sustainable and responsive to the challenges of the 21st century.

With its unique climate, evolving building regulations, and cutting-edge construction practices, Sydney offers the perfect setting to discuss new technologies, materials, and strategies that will shape the future of façades. The built environment is evolving rapidly, and the façade once a mere exterior surface is now recognized as a powerful tool for enhancing both aesthetic appeal and environmental performance. In an era of climate change, urbanization, and technological advancement; façades stand at the intersection of art, science, and sustainability. They are not just façades; they are dynamic, responsive systems that influence energy efficiency, daylighting, thermal comfort, acoustics, and even the psychological well-being of occupants.

Over the course of this conference, we invite you to engage with industry experts through a dynamic series of keynote presentations, panel discussions, and networking sessions.

At the conference we will delve into the latest trends in façades and explore topics like innovations in smart materials, adaptive reuse, climate-responsive designs, energy efficient façades and carbon reduction. This event offers a unique opportunity to exchange ideas, build collaborations, and push the boundaries of what is possible.

To listen, discuss and learn from domain experts in the field, join us for the 171st global edition of Zak World of Façades. We look forward to the inspiring presentations and conversations that provide a deeper appreciation of the ever-changing urban landscape of Sydney and the individuals who shape it.

KEY HIGHLIGHTS AT THIS YEAR'S EDITION

Get insights on low carbon materials & designs, adaptive re-use, complex geometry façades, regional & international project case studies and more

Opportunity to listen to and network with the industry experts who will share their experience and knowledge on designing and executing safe & sustainable building envelopes

Interact with solution providers of high performance glass, non-combustible cladding materials, steel systems, weatherproofing solutions, BIPV, insulation and more...20 exhibiting brands on display!



THE FULLERTON HOTEL
SYDNEY

GRAND BALLROOM,
1ST FLOOR, THE FULLERTON,
LOBBY LEVEL/1 MARTIN PL,
SYDNEY NSW 2000, AUSTRALIA

THURSDAY,
20TH FEBRUARY 2025,
08.00 HRS. ONWARDS

CONFERENCE AGENDA

08:00 DELEGATE REGISTRATION & NETWORKING

SESSION - 1 (08:50 - 10:20)

EVENT HOST & CONVENER



Claire Wu
Senior Consultant - Façades,
BG&E Façades

08:50 WELCOME ADDRESS

Ahad Ahmed, Director, Zak Exhibitions & Conferences

09:00 PAST & PRESENT: THE HERITAGE OF FAÇADES

- ♦ Craft
- ♦ Honest materiality
- ♦ Wellness & sustainability



William Sharples
Founding Principal,
SHoP Architectcs

09:30 HOW FAÇADES ARE FUN

- ♦ Time flies and dopamine is released when you're having fun. That leads to perpetual motivation and things get done. So, what makes us motivated to be in the façade industry? What will motivate future generations?
- ♦ Insight on the the industry's approach to meet new requirements, whether to meet broad social expectations or under dogmatic legislation. Being tasked with prioritising new things, developing new skills, collaborating with other motivated geeks. The Dunning-Kruger Effect implies that we must keep overcoming the valley of despair, climb the slope of enlightenment. That is progress
- ♦ Being cognisant of our strengths, weaknesses, while identifying blind spots and opportunities, then laying out the rational tasks to achieve the outcome. Are we prepared to be corrected while standing there on mount stupid?
- ♦ As an industry we must share and collaborate to innovate and deliver safe, high-performance buildings, diligently. Joining the Society of Façade Engineering can let us have some fun as we get things done, together



Rob Moisy
Engineer,
Surface Design Consulting

09:50 SHADOWS IN THE BREEZE; THE ART AND SCIENCE OF FAÇADE TESTING

- ♦ What we don't know
- ♦ Unseen trials of new façades
- ♦ New standards and guidance for façade testing



Shane Hart
Director of Client Relations,
Insol

10:05 AZURE®: THE STEEL FAÇADE PANEL

- ♦ Large format, custom made, ventilated rainscreen panels
- ♦ Project panel design and installation support with ESI
- ♦ Façade design and manufacturing considerations for a faster, more economical supply and installation process



Matt Lloyd
National Manager Sales, Marketing & Innovation,
Lysaght

10:20 NETWORKING TEA | COFFEE BREAK

SESSION - 2 (11:00 - 12:55)

11:00 COMPLETING THE MAIN TOWERS AT GAUDI'S MASTERPIECE, SAGRADA FAMILIA IN BARCELONA

- ♦ Loadbearing stone façades
- ♦ Prefabricated, prestressed stone panels, manufactured offsite and assembled on site
- ♦ Low carbon construction using latest technology as an "act of theatre"



Tristram Carfrae
Fellow,
Arup

11:25 HYBRID STEEL CURTAIN WALLS

- ♦ Are hybrid steel curtain walls the long-awaited disruption in the market?
- ♦ Fire resistance, tower infernos belong to the past
- ♦ Drastic reduction of CO2 emission
- ♦ Redefined sustainability: Not just 0 energy, but also 0 finance cost!



Eric Claeys
Founding Partner,
Fassada Steel

11:40 EXPLORATIONS IN STRUCTURAL SKINS AND CARBON REDUCTION

- ♦ Looking at the history of high performance façade design, incorporating new technologies and techniques to achieve improved energy performance for our buildings. While, historically speaking, considerations like daylighting, solar shading and thermal transmission have been key drivers of the design, they primarily addressed operating energy, the amount of energy required to heat, cool and illuminate the spaces they contain. The other half of the energy equation is embodied energy, or the amount of energy (and therefore carbon) consumed in the process of material sourcing, fabrication, and installation
- ♦ How can our façades be designed to respond to both performance considerations — operating energy and embodied energy? A careful analysis of each façade component to understand its carbon footprint must be undertaken and cross referenced with its operating performance — how well it is insulating, shading, etc
- ♦ Examples of recent projects where we explored the merging of structure and skin as a way of combining assemblies and getting "dual use" out of building components. In the process, the structure and skin become hybridized and introduce new possibilities for the overall reduction of carbon in our buildings



Scott Duncan
Design Partner,
Skidmore, Owings & Merrill (SOM)

12:10 CHANGES UNDER THE DESIGN AND BUILDING PRACTITIONERS REGULATION IN 2024 - IMPACT & OPPORTUNITIES

- ♦ What are the changes to design and building practitioner obligations and their impact on façades
- ♦ Challenges related to compliance declarations, indemnification of practitioners, and requirements for variations after commencement of work
- ♦ Complexities of regulatory compliance and ethical responsibility

MODERATOR



John Perry
Associate Principal,
fjcstudio

PANELISTS



James Perry
Principal,
fjcstudio



Vera Tchikina
Associate,
Rickard Engineering



Simon Gray
Practice Leader,
Bellrock



Jonathan Lynch
Manager DBP Audits,
Building Commission NSW

**More panelists to be added*

12:55 NETWORKING LUNCH BREAK

SESSION - 3 (13:45 - 15:30)

13:45 FUTURE FACING - NEW DIRECTIONS IN FAÇADE DESIGN

- ♦ Overtly environmental expression: Emerging trends and increasing requirement for aesthetic expression of façade environmental response
- ♦ Computational analysis and parametric façade design: Showcased through recently completed Array, 1 Eden Park Drive, Macquarie Park
- ♦ Balancing solidity and openness: Showcased through recently approved 153 Walker Street, North Sydney
- ♦ Self-shading building form: Showcased through recently approved 17 Flinders Street, Melbourne



Marko Damic

Principal,
Architectus

14:05 CHALLENGES IN FAÇADE DESIGNS IN ADAPTIVE RE-USE OF BUILDINGS

- ♦ Structural compatibility & energy efficiency
- ♦ Aesthetic and heritage considerations
- ♦ Material selection
- ♦ Regulatory compliance



Neil Kendrick

Regional Manager - NSW,
Inhabit Group

14:30 PORCELAIN CLADDING IN UNITIZED SYSTEMS AND COMPLEX GEOMETRIES

- ♦ 33 Alfred Street - Horizontal configuration on unitized system
- ♦ Bondi Archibald - Vertical configuration on unitized system
- ♦ Macquarie University - Complex geometry cladding
- ♦ Case study: The New Dunedin Hospital Outpatient Building - Transforming healthcare through patient-centred design and care at scale



David Mahon

Principal,
Warren and Mahoney



Bernat Miñana

Managing Director,
Frontek Australia

14:45 GLASS INNOVATIONS AND SOLAR GLASS FAÇADES

- ♦ Zero carbon or low carbon buildings
- ♦ How façade solutions drive sustainability by reducing energy use or generating energy on site



Anthony Breach

National Sales Manager,
George Fethers & Co.

15:00 THE FUTURE OF SOLAR FAÇADES

- ♦ Achieving net zero with Building-Integrated Photovoltaics (BIPV)
- ♦ Maximising building façades for solar energy production
- ♦ BIPV façade solutions



Marc Nakhle

Business Development Manager,
Alspec

15:15 FUTUREPROOF FIRE-RESILIENCE WITH THE RIGHT CHOICE OF FAÇADE INSULATION

- ♦ Fire safety and ventilated façade constructions
- ♦ Learnings from the grenfell tower disaster
- ♦ The solution



Will Wigfield

Group Product Manager - Fire Protection,
Rockwool

15:30 NETWORKING TEA | COFFEE BREAK

SESSION - 4 (16:00 - 17:10)

16:00 ATLASSIAN CENTRAL – ADVANCED FAÇADE MOTION ANALYSIS

- ♦ Atlassian Central which is co-owned by Dexus and Atlassian, encompasses a range of complex structural systems and materials, including an eccentric concrete core, composite mega floors, timber structures, steel exo-skeleton, atriums, curved geometry and inclined aluminium and glass façade and how the diversity of these systems and structural behavior presented significant challenges for assessing the movement in the façade joints, which would have been impractical to assess with traditional analysis
- ♦ How a cross-disciplinary team of façade, structural and digital engineers collaborated to analyse the façade joint movements, throughout all stages of construction and completion of the building
- ♦ Software developed and used to automate the analysis and precisely map the movement of each individual façade joint and the innovative processes and key insights that informed the design of the façade



Dwayne Van Halewijn
Associate Director - Façade,
TTW

16:20 BEST PRACTICES FOR OVERSEAS FAÇADE PROCUREMENT

- ♦ Risk vs. reward
- ♦ How to best handle QA/QC from abroad
- ♦ Procuring bespoke façades globally to suit local requirements
- ♦ Adapting procurement keeping in mind carbon targets

MODERATOR



Michael O'Reilly
Façade Specialist,
Hutchinson Builders

PANELISTS



Giuseppe Michael Schmidt
Senior Engineering Director,
BM Windows



Tran Van Tien
CEO,
BM Windows



Heather Webster
Director | Façade Engineer,
Prism Facades

**More panelists to be added*

17:05 VOTE OF THANKS & END OF THE CONFERENCE

17:10 POST EVENT NETWORKING RECEPTION

18:10 END OF THE EVENT

ASSOCIATE PARTNERS



3 STEP REGISTRATION PROCESS*

1

Visit
facades.sydney

2

Fill your details in the registration form & submit the same.

3

You will receive an auto reply email as acknowledgment of the form. On successful acceptance of your registration, you will receive a confirmation email / SMS from us.

HELPLINE: +61 2835 79814

info@zakgroup.com | www.zakwof.com

*Entry only by online registration | Rights of admission reserved.

*TERMS & CONDITIONS FOR COMPLIMENTARY SEATS:

Complimentary seats are reserved exclusively for Architects, Consultants, Contractors, Developers, Fabricators, Government Officials & PMCs. The organizers reserve the right to allocate these complimentary seats at their discretion. This is only an invitation and not an entry pass.

Entry is only via online registration.

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