




11th Annual NSW Major Projects Conference 2019

17-18 September 2019
ICC - International Convention Centre
Sydney, NSW


 nswconference.com.au


Conference Agenda

Day 1 - 17th of September 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 those they are seated with and other conference attendees.

 09:30 - 10:00

Inland Rail: A once-in-a-generation Program

- Enhancing supply chains and completing the backbone of the national freight network
- Providing a transit time of 24 hours or less for freight trains between Melbourne and Brisbane
- To be delivered using \$9.3 billion committed by the Australian Government, with the first train expected to run from 2025.



Brad Jackson, Director Program Delivery, Inland Rail

🕒 10:00 - 10:30

Sydney Metro – Australia's Biggest Public Transport Project

- This presentation will provide project updates on the nation's largest public transport project, the Sydney Metro.
- Helping keep customers connected, the metro is extended into the central business district (CBD) and beyond in 2024, running from Sydney's booming North West Region under Sydney Harbour through new underground stations in the CBD and beyond the South West



Dr Jon Lamonte, Chief Executive, Sydney Metro

🕒 10:30 - 11:00

Sydney Stadium Redevelopment

- Uniquely situated 2km from the central CBD, the Sydney Stadium is primely located in a state urban growth area.
- Refurbishment vs demolition and redevelopment, challenges of the old SFS
- Economic and social benefits of a new venue
- Exploring the planning process and procurement and delivery



Deirdre O'Neill, Project Director, Sydney Football Stadium Redevelopment, Sydney Cricket and Sports Ground Trust

🕒 11:00 - 11:30
TEA BREAK

🕒 11:30 - 12:00

WestConnex - Project Update

- An integral part of a growing, expansive transport network, the WestConnex will keep Sydney moving
- Providing crucial support for Sydney's long-term economic and population growth, the WestConnex will continue creating jobs, connecting communities and ease congestion making Sydney a more liveable city



Matthew Webb, Head of Technical and Commercial, WestConnex

🕒 12:00 - 12:30

Urban Renewal in the Greater Western Sydney Area

- The Australian Government has invested \$2.9 billion over the next ten years in the Western Sydney Area to fund impactful projects and improve urban liveability
- As a major driver of Australia's economic growth, Western Sydney holds the potential to house and foster key infrastructure projects



Keiran Thomas, Greater Western Sydney & Southern Regional Manager, UDIA NSW

🕒 12:30 - 12:50

Digital Adaptation in Infrastructure

Within more recent times within our industry, we hear the terms Digital Engineering (DE) and Digital Twins. But what are they, who benefits and how can these be applied?

In this session, we will ask and address the above and will provide an insight into how Bentley Systems is approaching the Digital Engineering (DE) and Digital Twins conundrum.

Dave Body, Senior Industry Strategy Manager – Design Engineering, Bentley Systems



🕒 12:50 - 13:50
LUNCH BREAK

🕒 13:50 - 14:10

How AI is Changing the Art & Science of Transportation Project Planning

For 50 years, project planning for transportation projects has been based on the largely unchanged approach known as Critical Path Method, or CPM. The reality is that the track record for this technique has remained mediocre at best. With the advent of artificial intelligence (AI), we now have at our fingertips a much more accurate means of building project schedules.

Andrew Harris, Vice President of Sales - APAC, InEight



🕒 14:10 - 14:40

Providing Long-Term Water Security to Broken Hill

- A major piece of public infrastructure, supplying up to 37.4 megalitres of raw water per day via a 270km pipeline from the River Murray near Wentworth to Broken Hill
- The pipeline requires four pumping stations along the route, as well as a 720 megalitre bulk water storage facility 25km south of Broken Hill

Andrew George, Executive Manager Water Solutions & Market Strategy, WaterNSW



🕒 14:40 - 15:00

Driving Greater Digital Adoption and The Growth of Paperless Jobsites



Data loss represents a significant financial impact for construction organisations. Failing to accurately capture and transfer data between construction phases, from the design to the build to the handover, can cause significant delays and expensive mistakes. In Australia and New Zealand alone, rework caused by inaccurate data and communication cost businesses \$8.4bn in 2018.

In 2019, this data loss will become a critical commercial driving factor for firms to embrace digital technology throughout the construction process and beyond. Businesses will be able to adopt new tools faster than ever before, thanks to a new generation of employees who are more comfortable adapting to new technology.

Construction firms who can successfully introduce new technology will not only realise significant operational efficiencies but will be able to access a greater quantity of data to inform their overarching business strategy – and secure success in the months ahead.

Leander Starr, Regional Sales Manager, Senior Sales Manager, PlanGrid

🕒 15:00 - 15:30
TEA BREAK

🕒 15:30 - 15:50

Utilising Technology to Maximise Infrastructure Growth



- Disruptive technology is breaking through the infrastructure sector, making waves and changing the way our major projects are taking place
- The availability of smart technologies opens projects up to the future, allowing for faster integration, growth and an increased sense of safety

Associate Professor Hoon Han, Director of City Planning Program, UNSW

🕒 15:50 - 16:10

Projects of the Future



- Why has project planning and delivery had 0% productivity improvement since 1947 despite all the technological improvements?
- What is the holistic vision for how we will plan, design, build and handover projects in the future?
- How should owners, clients, planners, designers and builders be digitally transforming their businesses to be aligned with this vision?
- How is Transport for NSW's Digital Engineering Framework solving the key constraints that have hindered the digital transformation of the AEC industry?
- Come along to hear Adam answer all these questions and much more...

Adam Griffiths, Program Manager Digital Engineering, Transport for NSW

🕒 16:10 - 17:00

Panel Discussion:

Understanding the Built Environment of the Future

This panel will explore the process undertaken to identify, prioritise and build state significant developments.

- Understanding key characteristics of the construction industry and its impact on the state's economy
- Utilising past endeavours to influence and shape today's major infrastructure projects
- Unlocking NSW's potential through the delivery of critical developments and successful procurement outcomes

Belinda Barnett, Director, Urban Concepts and Planning Communication

Giovanni Cirillo, Managing Director, Planning Lab

Michael Comminos, Founding Director, Practice Lead Strategy, Astrolabe Group

Nathaniel Murray, Director, NSW Town Planning



🕒 17:00 - 17:05
MC CLOSSES

🕒 17:05 - 18:05
COCKTAIL NETWORKING FUNCTION

Day 2 - 18th of September 2019

🕒 08:25 - 08:55
REGISTRATION

🕒 08:55 - 09:00
MC OPENS

🕒 09:00 - 09:30

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🕒 09:30 - 10:00

Adding Public Value to NSW Infrastructure

- Creating public value - social, economic, cultural or environmental – by ensuring people, places and communities are at the centre of the planning system.
- Taking the surprise out of planning – more upfront planning guidance and advice.
- Bringing balance – delivering more 'win-win' outcomes where both the community and industry work together mutually.
- Update on the Environmental Impact Assessment Guidelines.

David Gainsford, Executive Director Infrastructure, Department of Planning and Environment



🕒 10:00 - 10:30

Why Major Projects Fail and What You Can Do About It?

- From the unique perspective of a restructuring expert, discuss the root causes of project delay, dispute and cost over runs on infrastructure projects.
- Provide executable solutions to mitigate the delivery delays and encourage collaboration.

Scott Langdon, Partner, KordaMentha



🕒 10:30 - 10:50

Leading Practice Plant Safety Management for Major Projects

Matthew Turner, Managing Director, Plant Assessor



🕒 10:50 - 11:20
TEA BREAK

🕒 11:20 - 12:10

Panel Discussion:

Navigating the Density of Urban Congestion

- With an allocated investment of \$4bn over the next decade, the Urban Congestion Fund will seek to reduce congestion in urban locations
- Funding will support upgrades to urban road networks, reducing travel times and vehicle operating costs, but will this be enough for commuters?

Daniel Veryard, State Director (NSW & WA), Veitch Lister Consulting

Ian McCarthy, Urban Mobility and Integrated Transport Leader - NSW, Aurecon

Mel Fyfe, Director, TTM Consulting Pty Ltd

Neill Miller, Associate Director - Transport Advisory, Urbis

Sara Stace, Manager Walking and Cycling Strategy, Transport for NSW



🕒 12:10 - 12:30

The Future of Design in a Connected Environment

This session will discuss the evolution and challenges of the design industry; how making the BIM models the focal point of design communication and development can reap efficiencies in a challenging and multi-faceted process.

- BIM as a project communication tool.
- The Common Data Environment : Importance of and challenges of implementation.
- Automated and parametric design production tools.

Steven Lewis, Digital Engineering Manager, Arcadis



🕒 12:30 - 13:00

Delivering critical infrastructure for NSW

We are currently in a period of record infrastructure investment in NSW – a \$93 billion commitment by the NSW Government over the next four years – and with that opportunity comes great responsibility:

- Investing in infrastructure that contributes to economic prosperity
- Delivering new infrastructure efficiently and effectively
- Working in partnership with industry.

Simon Draper, Chief Executive Officer, Infrastructure NSW



🕒 13:00 - 14:00
LUNCH BREAK

🕒 14:00 - 14:20

SMART (Stormwater Management And Road Tunnel) : Innovative Solution to Flooding & Traffic Congestion

- Role played in the Kuala Lumpur flood mitigation plan
- Relieving traffic congestion from the south to Kuala Lumpur CBD
- Insights & lessons to Tunnel Boring Machine (TBM) innovation for tunnelling in Kuala Lumpur

Dr Ooi Lean Hock, Geotechnical Director, Gamuda Engineering Sdn Bhd



🕒 14:20 - 14:40

Translating Boomtown Projects into Long Term benefits: Challenges & Opportunities

- This presentation will touch on the challenges and opportunities faced when implementing major infrastructure projects

Garry Bowditch, Executive Director - Better Infrastructure Initiative, John Grill Centre for Project Leadership



🕒 14:40 - 15:00

The Future of Moving People - Demand Responsive, Public Transport

- What is demand responsive transport?
- How does public transport differ from point to point, single passenger trips?
- Why is demand responsive transport the future of moving people?
- How does demand responsive transport integrate with other mobility services in a city and large infrastructure investments.
- Insights and lessons from BRIDJ's operations in Sydney.

Matthew Hamlet, Optimisation Lead Manager, BRIDJ



🕒 15:00 - 15:20

Ensuring Successful Project Outcomes – Requires a Collaborative, Strategic Approach to Contract Risk



- Understanding key contractual risks – what are they, and what is a reasonable position?
- Project & contract implications arising from recent legislative changes
- Partnering and other joint venture considerations for project delivery
- Effective transition from tender to operations, with an effective contract administration strategy to achieve project success
- Strategic tips to avoid disputes
- Some key indicators for contract success

Sunil Sivarajah, General Counsel - Urban Infrastructure, Resources, Broadspectrum

🕒 15:20 - 16:00

MC CLOSING & REFRESHMENTS

Agenda is subject to change

*Speakers to be confirmed

An Event by:



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