

Preliminary Program Outline

Sunday 1 May 2022

5.00pm - 6.00pm

International and Young Delegates Welcome – Adelaide Convention Centre (by invitation)

6.00pm – 8.00pm

Welcome Reception – Adelaide Convention Centre Sponsored by 

Monday 2 May 2022

7.30am – 8.30am


Conference Registration
 Breakfast at Trade Display in the Exhibition Hall

Session 1 (Plenary)

8.30am – 10.00am

Official Opening Ceremony & Welcome
Keynote Address 1 – Shane Fitzsimmons, Commissioner Resilience NSW. Topic: “Resilience in the Face of Adversity”

10.00am – 10.30am

Morning Tea Sponsored by 

Session 2
 10.30am – 12.00pm

2A: Managing the Environment & Climate Change

2B: Asset Management – Introduction

2C: Road Pavements & Recycled Materials

2D: Good Stuff

2E: TechnologyOne Workshop

Location Hall L City Room 1 City Room 2 City Room 3 Gilbert Suite

Chair TBA TBA TBA TBA TBA

10.30am – 10.52am

Auckland’s Road to Electric Public Transport – Why So Bumpy?
Myles Lind
 Auckland Transport (NZ)

IPWEA’s Asset Management Pathways
Jonathon Jones
 IPWEA Australasia (NSW)

Austrroads Research on Recycled Materials in Road Pavements
Ross Guppy
 Austrroads (NSW)

‘Engineered’ Leadership
Nicole Newton
 City of Norwood Payneham & St Peters (SA)

10.52am – 11.14am

An Integrated Asset Management Framework for Green, Natural, and Gray Assets
Heather Himmelberger
 Southwest EFC (USA)

Climbing the Mountain – Achieving a Successful Audit Outcome
Timothy McCarthy
 Morrison Low (NSW)

From Landfill to Road Fill – How to Optimise the Use of Waste in Asphalt
Trevor Distin
 COLAS (NSW)

Stakeholder Engagement Lessons Learned from the Development of the Wunggurrwil Dhurrung Centre
Sylvia Janus
 Wyndham City Council (VIC)

technologyone
 Program under construction



11.14am – 11.36am

Thames – Shall We Stay or Shall We Go?
Emily Walker
Edward Guy
 Rationale Ltd (NZ)

A Revolutionary Digital Experience in Asset Management Planning
Piers Duggan
 City of Mitcham (SA)

Increasing the Use of Recycled Glass in Queensland Pavements
Lincoln Latter
 ARUP (QLD)

Public Facilities and their role in Community Resilience
David Spencer
 COMPLETE Urban (NSW)

11.36am – 12.00pm	Public Works and the Effect on Climate Change Christie Nguyen COMPLETE Urban (NSW)	Fit for Purpose Specifications for Managing Community Assets Nandini Mehta NATSPEC (NSW)	Using Recycled Plastic in Asphalt Pavement – Which Practice to Practice? Ivan Mihaljevic Kamen Engineering (NSW)	Registration of Engineers: Coming Soon to a State Near You! David Hallett IPWEA (VIC)	
12.00pm – 1.00pm Lunch – Sponsored Roundtable					
Session 3 1.00pm – 2.30pm	3A: Managing the Environment & Climate Change	3B: Asset Management / Decision Support	3C: Bridges	3D: Smart Parking Forum	
Location	Plenary Hall	E1	E2	E3	
Chair	TBA	TBA	TBA	TBA	
1.00pm – 1.30pm	TBA	Information Management System for Road Network and Smart Assets – South Australia Experience Nabin Pradhan DM Roads (NSW)	Bridge Network Analysis Program Hai Le Bridge Network Analysis (QLD)		 See separate breakout program Open to all delegates
1.30pm – 2.00pm	Summary findings of the 2021 IPCC Sixth Assessment Report on climate change science, impacts, adaptation and mitigation Jacqueline Balston IPWEA (SA)	Challenges in Long Term Road Renewal Planning Justin Weligamage Toowoomba Regional Council (QLD)	Pultruded Fibre Reinforced Polymer Composite Bridge Deck Ali Mohammed Wagners CFT (QLD)		
2.00pm – 2.30pm	Resilient Materials for Designing and Managing Assets Under a Changing Climate Fahim Tonmoy BMT (QLD)	Building Blocks to Success: Rebuilding Asset Management at City of Ryde Daniel Carneiro City of Ryde (NSW) Nicola Daaboul Assetic (NSW)	Widening and Strengthening Innovations on the Eunony Bridge Irene Scott Pitt & Sherry (VIC)		
2.30pm – 3.00pm Afternoon Tea					
Session 4 3.00pm – 4.30pm	4A: Climate Resilient Assets Workshop	4B: Asset Management / Decision Support	4C: Road Pavements	4D: Smart Parking Forum	
Location	Plenary Hall	E1	E2	E3	
Chair	TBA	TBA	TBA	TBA	
3.00pm – 3.22pm	Managing Urban Heat Under Climate Change Fahim Tonmoy BMT (QLD)	A Risk-Based Maintenance Prioritisation for South Australia Rail Structural Assets Vandad Kadkhodayan Dept for Infrastructure & Transport (SA)	Proven Methods to Double the Life of Asphalt Roads Ross Ioakim ASI Solutions (UK)		 See separate breakout program Open to all delegates
3.22pm – 3.44pm	Accounting for Climate Change Risks in Asset Management Planning Greg Baker Donald Gibson Northern Beaches Council (NSW)	Transformation of a City's Asset Management from Renewal/Condition Assessment Based Asset Management to Community Asset Management Dameon Roy City of Salisbury (SA)	Project Level Pavement Deterioration Rate Estimation: Algorithms, or Historical Direct Measurement Edward James Highway Asset Services (NSW)		

3.44pm – 4.06pm	<p>Launch of IPWEA Practice Note 12.2: Climate Resilient Materials for Infrastructure Assets</p> <p>Jacqueline Balston IPWEA (SA)</p>	<p>Road Network Management with Artificial Intelligence</p> <p>David Paine Fulton Hogan (VIC)</p>	<p>Caltrans Gap Graded Asphalt Technology Transfer with Onsite Blended Crumbed Rubber Binder</p> <p>Rod McArthur Topcoat Asphalt</p>	
4.06pm – 4.30pm	<p>Panel Discussion</p>	<p>Asset Health Check – The Diagnostic Tools & What They Mean</p> <p>Michelle Walker City of Greater Geelong (VIC)</p>	<p>Road Maintenance Contracts 2020 – It's all in the prep</p> <p>Angela Farnell Baw Baw Shire (VIC)</p>	

4.30pm – 5.00pm **IPWEA Annual General Meeting – All members welcome**
Gilbert Suite

7.00pm – 10.00pm **Monday Evening Function – Adelaide Oval**
Sponsored by **COMPLETE**



Tuesday 3 May 2022

7.30am – 8.30am Conference Registration
Breakfast at Trade Display in the Exhibition Hall





8.30am – 10.00am **IPWEA Address – David Jenkins**, CEO IPWEA. Topic: “The Road Ahead”
Session 5 (Plenary) Young IPWEA Address – Ben Clark, Chair YIPWEA.
Keynote Address 2 – Marcos Arizti, CEO StalkIT. Topic: “Asset Tracking in the construction, utility & waste management industries: optimizing processes and fighting loss & theft”

10.00am – 10.30am Morning Tea

Session 6 10.30am – 12.00pm	6A: Asset Management – Lessons learnt	6B: Road Pavement Enhancements	6C: ARRB Workshop	6D: Asset Tracking & Monitoring
Location	Plenary Hall	E1	E2	E3
Chair	TBA	TBA	TBA	TBA

10.30am – 10.52am	<p>Australia’s Local Government Infrastructure – Where are we at?</p> <p>Steve Verity IPWEA Australasia (NSW)</p>	<p>A Practical Approach to Rehabilitate Thin Existing Pavements using Basegrade Stabilisation</p> <p>Scott Young Stabilised Pavements of Australia (QLD)</p>	 Program under construction	 See separate breakout program Open to all delegates
10.52am – 11.12am	<p>“Nice-to-Have” or “Silver Bullet”? – Challenge Facing Local Government in BIM Adoption</p> <p>John Jiang Hastings District Council (NZ)</p>	<p>Evaluation of Geosynthetic Stabilised Pavements over Reactive Clay Subgrades in Metropolitan Adelaide South Australia</p> <p>Rod Fyfe Geofabrics (SA)</p>		

11.12am – 11.34am	<p>Small Model Canadian Communities & Financial Needs Assessment</p> <p>Jamie Davignon Stantec (CANADA)</p>	<p>Enhancing Pavement Durability Using a Sustainable Asphalt Reinforcement Geogrid: Practical Experience in Roads and Airfields</p> <p>Zehra Kaya Huesker (QLD)</p> <p>Peter Levett City of Sydney</p>		
11.34am – 12.00pm	<p>Rethinking Asset Management Through Innovation and Collaboration on the West Coast</p> <p>Edward Guy Rationale Ltd (NZ)</p>	<p>Subgrade Lime Stabilisation – An Investigation into Design, Field Performance & Quality Control</p> <p>Trent McDonald Pavement Management Services (QLD)</p>		
12.00pm – 1.00pm		Lunch		

Session 7 1.00pm – 2.30pm	7A: Stormwater Management	7B: Good Stuff II	7C: ARRB Workshop	7D: Asset Tracking & Monitoring	7E: Adelaide Walking Tour
Location	Plenary Hall	E1	E2	E3	
Chair	TBA	TBA	TBA	TBA	
1.00pm – 1.30pm	Auckland's Citywide Road Stormwater Prioritisation Programme Delivering Safe Waterways and Harbours John Tetteroo GHD (NZ)	Local Government is No Longer the Three "R's" Roads Rates & Rubbish Paul Gallagher Nambucca Valley Council (NSW)	 Program under construction	 See separate breakout program Open to all delegates	1.00pm – 4.30pm City of Adelaide Walking Tour 'A Place for People' Partner's welcome
1.30pm – 2.00pm	WSUD Research Shows Integrated Design Can Improve Infrastructure Performance Tim Johnson City of Mitcham (SA)	Making Decisions to Use Alternative Material in Public Works – Multi-Criteria Decision Analysis Mayuri Wijayasundara Deakin University (VIC)			
2.00pm – 2.30pm	Port Pirie Council and PPS Stormwater Condition Assessment Project Richard Powell Plumbing & Pipeline Solutions (SA)	Emergency Markers – Saving Time, Saving Lives Lyn Terrett Rapidmap Global (VIC)			
2.30pm – 3.00pm	Afternoon Tea				
Session 8 3.00pm – 4.30pm	8A: Project Management & Delivery	8B: Asset Management – Tools	8C: ARRB Workshop	8D: Asset Tracking & Monitoring	
Location	Plenary Hall	E1	E2	E3	
Chair	TBA	TBA	TBA	TBA	
3.00pm – 3.22pm	Surely It Can Only Get Simpler? Can Australian Projects Be Harmonized? Matthew Bradbury McCullough Robertson (QLD)	Using GIS to Deliver a Needs-Based Maintenance Grading Program Kathryn Johnson City of Port Pirie (SA)	 Program under construction	 See separate breakout program Open to all delegates Session live streamed	Delegates & partners must register for this tour No extra cost Capacity max 15 people Includes afternoon tea
3.22pm – 3.44pm	Resident-Centric Worksite Experience – Development Case from Helsinki, Finland Ville Alatyppo City of Helsinki (FINLAND)	Using Artificial Intelligence to Enhance Condition Assessment of Drainage and Wastewater Pipes Quentin Bechet Veolia (VIC)			
3.44pm – 4.06pm	Multi-Objective Operational Forward Works Programme Optimization Using a Meta-Heuristic Algorithm Fritz Jooste Lorix Ltd (NZ)	Artificial intelligence and road asset management: the good, bad and the ugly John Yeaman Pavement Management Services (QLD)			
4.06pm – 4.30pm	Rockingham Beach Foreshore Revitalisation – a Painful Success Story Michael Wilson City of Rockingham (WA)	360° Mobile Mapping – Map Once, Use Multiple Times Peter Terrett Rapidmap Global (QLD)			

Wednesday 4 May 2022

7.30am – 8.30am

Conference Registration
Breakfast at Trade Display in the Exhibition Hall

Session 9 (Plenary)
8.30am – 10.00am

Keynote Address 3 – Romilly Madew, CEO Infrastructure Australia. Topic: “Sustainable Asset Management”
Thought Leaders – Ashay Prabhu, Co-Founder Assetic & **John Comrie**, Director at JAC Comrie will address the Keynote topic from their perspectives followed by a panel discussion

10.00am – 10.30am

Morning Tea

Session 10
10.30am – 12.00pm


10A: Stormwater Management


10B: Project Management & Delivery

10C: Traffic Management & Road Safety

10D: Street Lighting & Smart Controls Forum

Location	Plenary Hall	E1	E2	E3
Chair	TBA	TBA	TBA	Graham Mawer

10.30am – 11.00am	TBA	Asset Management Transformation: Strategic Project Management to Ensure Continuity and Success Jean-Pierre Koekemoe , City of Port Lincoln (SA)	School Transport Framework – City of Salisbury David Boothway City of Salisbury (SA)	Sponsored by 
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11.00am – 11.30am	Exploring the Effect of Urban Development on Stormwater Runoff in Growth Areas of Melbourne Md Aftabuzzaman Melbourne Polytechnic (VIC)	Capital Works Transformation James Mitchell City of Unley (SA)	Fairbanks Drive – Community Centric Road Upgrade Jordan Ward City of Salisbury (SA)	 See separate breakout program Open to all delegates Session live streamed
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11.30am – 12.00pm	Sustainability; Life, Liberty and the Pursuit of Negative Entropy, Part 3 John Milne Clark County Public Works (USA)	Taking Back Condition Assessments Jeremy Rudd Regional Project Consulting (VIC)	TGSI – Means to Assist Nick Tytler ALLTAC (VIC)	Forum commences 08.30am
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12.00pm – 1.00pm

Lunch – Sponsored Roundtable

Session 11
1.00pm – 2.30pm


11A: Good Stuff III


11B: Project Management & Delivery

11C: Traffic Management & Road Safety

11D: SLSC

Location	Plenary Hall	E1	E2	E3
Chair	TBA	TBA	TBA	Graham Mawer

1.00pm – 1.30pm	Mobility in the Evolving City Nathan Parish COMPLETE Urban (NSW)	TBA	Road Authority Capability Requirements for Road Safety Kenn Beer Safe System Solutions (VIC)	Sponsored by 
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1.30pm – 2.00pm	Why Tomorrow's City Must Be Green and Inspired by Nature Germain Briand Urban Canopee Australia (VIC)	Gladstone Regional Council Gets Mobile with Online Works Program Darren Shepherd Shepherd (QLD)	Conversion of Local Government Owned Assets – MV to LED Street Lighting Anna Scantlebury City of Canning (WA)	 See separate breakout program Open to all delegates
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2.00pm – 2.30pm	Hynds Best Paper from the IPWEA NZ Conference Presenter / Topic TBA (NZ)	Connecting Stakeholders to Deliver Efficient Public Works Projects Carl Lundborg City of Marion (SA)	The Effects of Road Geometry and Posted Speed Limits On Driver Speed Selection Jason Deller Campaspe Shire Council (VIC)	<i>Session livestreamed</i> Forum concludes 4.30pm
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2.30pm – 3.00pm **Afternoon Tea – Trade Exhibition Closes**

Session 12 (Plenary)
3.00pm – 4.30pm

Keynote Address 4 – Ainsley Simpson, CEO Infrastructure Sustainability Council. Topic: “Sustainability for Local Governments - Ensuring long term dividends from local infrastructure”
Closing Address and Invitation to Melbourne 2024

4.30pm Conference Closes

6.30pm – 11.00pm

Gala Awards Dinner Sponsored by **KOMATSU**
IPWEA Australasia Excellence Awards Sponsored by **assetic**

Thursday 5 May 2022

9.00am – 5.00pm **Technical Tours**

Smart Parking Forum

IPWEA is expected launch its new smart parking program in 2022. This new program will help engineering practitioners understand the case for widely deploying smart parking systems at carparks and on streets and introduce them to the growing array of technologies and suppliers that can help them successfully deliver these systems.

Forum starts after lunch Monday 2 May

12:00pm – 1:00pm	Lunch – Visit Smart Parking Forum Exhibition Hall F
	Intro to Smart Parking
1:00pm – 2:30pm	Smart Parking Supplier Panel
	Adelaide City Council On-Street Smart Parking Case Study
2:30pm – 3:00pm	Afternoon Tea – Visit Smart Parking Forum Exhibition Hall F
	Victorian Council Smart Parking Case Study
3:00pm – 4:30pm	Queensland Council Smart Parking Case Study
	NSW Council Smart Parking Case Study
	Closing Remarks

Asset Tracking & Monitoring Forum

IPWEA will publicly launch its new asset tracking and monitoring program at the conference. This new program will help engineering practitioners understand the case for widely installing tracking and monitoring devices on assets such as their fleet, other small plant, higher value stock items, key pieces of infrastructure and for monitoring access (e.g. on doors, gates, hatches and stormwater covers). IPWEA intends to release its first documents and training packages following this Forum.

Forum starts after morning plenary session on Tuesday 3 May

10:00am – 10:30am	Morning Tea – Visit Asset Tracking & Monitoring Forum Exhibition Hall F
	Intro to IPWEA Asset Tracking & Monitoring Program
10:30am – 12:00pm	Network Provider Supplier Panel
	Fleet Tracking & Monitoring Case Study
12:00pm – 1:00pm	Lunch – Visit Asset Tracking & Monitoring Forum Exhibition Hall F
	Fleet Tracking & Monitoring Supplier Panel
1:00pm – 2:30pm	Success in Tracking Lower Value Assets
	Access Monitoring & Control
2:30pm – 3:00pm	Afternoon Tea – Visit Asset Tracking & Monitoring Forum Exhibition Hall F
	Monitoring the Structural Health of Bridges
3:00pm – 4:30pm	Low-Cost Remote Area Asset Tracking with Satellites
	Every Asset Tracking Question You Ever Wanted to Ask
	Closing Remarks



Street Lighting & Smart Controls Forum

The established and successful IPWEA [Street Lighting & Smart Controls Program](#) is accelerating the efficient adoption of LED street lighting and smart controls technologies. It involves high-level government and industry engagement, the development of robust industry standard documentation and training. The SLSC full day Forum builds on four highly successful previous SLSC conferences. Entry to the Forum is available to all full-time registered delegates as well as all day delegates.

Session Chair	Graham Mawer
7.30am – 8.30am	Registration – Breakfast in the Exhibition Hall
	Introduction & IPWEA SLSC Summary
8.30am – 10.00am	LED Supplier Panel Q & A
	Rethinking How We Use Utility Poles to Help Build the Smart City
10.00am – 10.30am	Morning Tea – Visit the SLSC Forum Exhibition Hall F
	5G Masterclass for Councils & Other Infrastructure Managers
10.30am – 12.00pm	The Growing Role of Multi-Function Poles in the Smart City
	Smart Poles and Energy Efficient Lights in Brisbane Harmonized
12.00pm – 1.00pm	Lunch – Visit the SLSC Forum Exhibition in Hall F
	Smart Controls Supplier Panel Q & A
1.00pm – 2.30pm	Lessons from Australia's Largest LED & Smart Controls Deployment
	Australia's Smartest Street Lighting Deployment
2.30pm – 3.00pm	Afternoon Tea – Visit the SLSC Forum Exhibition in Hall F
	Protecting our Night Time Environment
	Zhaga-Enabled Luminaires & the Smart City
3.00pm – 4.30pm	Optimising the Use of Smart Lighting Controls
	Standards Update
	Closing Remarks

The City of Adelaide are offering an opportunity to view their city through a different lens.

The Adelaide Riverbank, known to the Kaurna as Karrawirra Pari – the Redgum Forest River – is the geographic and spiritual heart of Adelaide. The picturesque banks of the River Torrens are home to many of the iconic landmarks and stories synonymous with the city and the State of South Australia. The Riverbank Precinct and environs are being reinvented to become a highly connected physically as well as thematically and spiritually important place to residents and visitors.

Behind all of this is of course how this aspiration is brought to life which includes collaboration between Local, State Government, traditional owners and private agencies to agree on a vision and then make this come to life. This tour will ask you to consider how we can play vital roles in creating places for people to want to be in, visit and own as theirs.

The tour will include the new City Skate Park, an Aboriginal Cultural Experience and afternoon tea, a look under the Adelaide Bridge and a tour of the new Lot Fourteen development. All the while being informed and updated via an interactive app.

Tour guides will be staff from the CoA, Renewal SA and traditional owners. Numbers are limited.

Date: Tuesday 3 May 2022

Time: 1.00pm – 4.30pm

Capacity: Maximum 15 people