



Connecting and Sharing - Oceania and Asia-Pacific Neighbours



**PIANC  
APAC  
2026**

4TH PIANC AU-NZ BIENNIAL CONFERENCE  
FOCUSING ON OCEANIA AND OUR  
ASIA-PACIFIC NEIGHBOURS  
25 - 27 AUGUST 2026, BRISBANE, AUSTRALIA  
[www.piancapac.com](http://www.piancapac.com)

## Conference Program (subject to change)

### Tuesday 25<sup>th</sup> August 2026

#### Technical Tours

1.00pm –  
5.00pm

**Tour 1: Port of Brisbane and Patrick AutoStrad™ Port Infrastructure Tour**

**Tour 2: Brisbane River Tour (CityCat)**

**Tour 3: South Bank and Queensland Maritime Museum Walking Tour**

*All tours depart from and return to BCEC*

5.30pm –  
7.30pm

#### Registration Desk Open

*Boulevard Auditorium Foyer, BCEC (Grey Street Entrance)*

5.30pm –  
7.30pm

#### Welcome Reception

*Trade Exhibition Area, Boulevard Auditorium Foyer, BCEC*

*Includes drinks and canapés.*

*Sponsored by* **ARUP**

### Wednesday 26<sup>th</sup> August 2026

7.45am

#### Conference Registration

*Boulevard Auditorium Foyer, BCEC (Grey Street Entrance)*

9.00am – 10.30am

#### Session 1 – Opening Plenary

*Boulevard Auditorium*

9.00am – 9.10am

#### Welcome and Housekeeping

Stuart Bettington, PIANC APAC 2026 LOC Chair & Luke Campbell, PIANC AU-NZ Chair

9.10am – 9.20am

#### Welcome to Country

Refiti Tovi, Representative of the Turrbal People

9.20am – 9.40am

#### Conference Opening and PIANC President Address

Francisco Esteban Lefler, President PIANC

9.40am – 10.25am

#### Keynote Address: Building Connection: Elevating Pilotage in the Pacific Region

Giles Lesser, OMC International & John Clarke, Marine Pilot, Dampier, WA

*Sponsored by* **SJ** **smec**

10.25am – 10.30am

#### Platinum Sponsor Address

**aurecon**

10.30am – 11.00am

**Morning Tea**

| Session 2<br>11.00am – 12.40pm | 2A: Port Planning and Engineering                                                                                                         | 2B: Technological and Digital Advancements                                                                                                                           | 2C: Port Planning and Engineering                                                                                                                                 | 2D: Port Operations and Management                                                                                                                             | 2E: Working with Nature, Environment and Ecosystem Services                                                                                                  |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Location                       | Auditorium                                                                                                                                | B1                                                                                                                                                                   | B2                                                                                                                                                                | B3                                                                                                                                                             | Boulevard Room                                                                                                                                               |
| Chair                          | <i>Andrew Wright</i>                                                                                                                      | <i>Paul Constance</i>                                                                                                                                                | <i>Luke Campbell</i>                                                                                                                                              | <i>Jordan Wolfe</i>                                                                                                                                            | <i>Shirley Dawe</i>                                                                                                                                          |
| 11.00am – 11.20am              | Finding the Frequency: What Makes a Harbour Resonate?<br><b>Jose Borrero</b><br><i>ORCAS Consulting</i>                                   | From Reality Capture to Asset Intelligence: Modelling for Operational Port Asset Management<br><b>Jane Hogben, MEND &amp; Ethan Dawson,</b><br><i>Flinders Ports</i> | Comparing the Latest Fender Design Guidelines: BS 6349-4:2026 vs PIANC WG211<br><b>Adam Sellers</b><br><i>Trelleborg Marine Systems Australia</i>                 | The End of Snapback: A New Era in Mooring Safety<br><b>Thomas Fields</b><br><i>Moorguard</i>                                                                   | Within-day variation in fish eDNA composition in Tokyo Bay<br><b>Shota Homma</b><br><i>Port and Airport Research Institute</i>                               |
| 11.20am – 11.40am              | Modelling of Infragravity Wave and Moored Ship Response for Geraldton Port<br><b>Wim Van Der Molen</b><br><i>Baird</i>                    | Asset Digitisation for Next-Generation Port Asset Management: A GeelongPort Perspective<br><b>Yossi Kahlon</b><br><i>Skand &amp; Jose Santos, Geelong Port</i>       | Berthing Energy under PIANC WG211: Insights from a Bulk Terminal Case Study<br><b>Sam Mazaheri</b><br><i>Beta International Associates</i>                        | Modular Snapback Barriers Behaviour in Response to Parted Mooring lines: Full-Scale Testing<br><b>Mojtaba Tajziehchi</b><br><i>Geobruigg Australia</i>         | Reef-Risk: Integrating Hydrodynamics and Empirical Thresholds for Reef Vulnerability Assessment<br><b>Wen Deng</b><br><i>University of Queensland</i>        |
| 11.40am – 12.00pm              | Validated Hydrodynamic Modelling to Support Ship Simulation and a Tidal Atlas<br><b>Georgia Stones</b><br><i>BMT Commercial Australia</i> | Digital Inspection Workflow for Visual Inspections on Maritime Assets<br><b>Sam Smith</b><br><i>Agilitus</i>                                                         | Integrating 3D Engineering and Mooring Simulations to Assess Tanker Re-Positioning at Townsville<br><b>Paul Turney, SMEC Australia &amp; Jason Antenucci, DHI</b> | Maintenance and Verification Strategies for Load Monitoring Systems in Marine Terminals<br><b>Charles Bryant</b><br><i>Trelleborg Marine Systems Australia</i> | CoastRI: A National Coastal Research Infrastructure Initiative<br><b>Daniel Ierodiaconou</b><br><i>Integrated Marine Observing System/ Deakin University</i> |
| 12.00pm – 12.20pm              | Multiphase CFD Modelling of Wave Impact for Pile-Supported Structures with Downstand Beams<br><b>Mark Bennet</b><br><i>WGA</i>            | The adaptation of a proven wood inspection technology for underwater timber assessment<br><b>Jen Grehan</b><br><i>ROVing Intelligence</i>                            | Ultramax Vessel Study at Port Hedland Berth 3<br><b>Stephen Jenks</b><br><i>Hatch &amp; Tim Gourlay, Perth Hydro</i>                                              | Mooring Time and STS Container Crane productivity gains with a MoorMaster System<br><b>David Williams</b><br><i>Cavotec</i>                                    | Beach Erosion Assessment Using Joint Probability of Wave Height and Water Level<br><b>Ye Htet Oo</b><br><i>Water Technology</i>                              |
| 12:20pm – 12:40pm              | Wave Induced Uplift Loads for Wharf Structural Analysis: Empirical & CFD Methods<br><b>John Phillip Lapidez</b><br><i>Jacobs</i>          | Integrating Laser Scanning, Bathymetric Data and BIM for Remediation and New Construction<br><b>Saeedeh Zeyni</b><br><i>AW Maritime</i>                              | Advancing Navigational Risk Assessments Through Data-Driven Agent-Based Simulation Methods: The SIREN Framework<br><b>Reza Kazeroni, DHI</b>                      | Mooring Line Efficiency at Typical Fairleads – Early Evidence and Practical Implications<br><b>Ray Keane</b><br><i>Holmes Solutions</i>                        | From Dredge Trial to Decision: Coastal Monitoring Informing Evidence-Based Sand Management<br><b>Ryan Nguyen</b><br><i>Hatch</i>                             |

12.40pm –  
1.40pm

**Lunch**

| Session 3<br>1.40pm –<br>3.00pm | 3A: Port Planning and Engineering                                                                                                      | 3B: Dredging and Reclamation                                                                                                                          | 3C: Port Planning and Engineering                                                                                                       | 3D: Maritime Development in Emerging and Developing Countries                                                                        | 3E: Working with Nature, Environment and Ecosystem Services                                                                                 |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Location                        | Auditorium                                                                                                                             | B1                                                                                                                                                    | B2                                                                                                                                      | B3                                                                                                                                   | Boulevard Room                                                                                                                              |
| Chair                           | <i>Tom Shand</i>                                                                                                                       | <i>Greg Britton</i>                                                                                                                                   | <i>Dave McKay</i>                                                                                                                       | <i>Michel de Vos</i>                                                                                                                 | <i>Holland Turner</i>                                                                                                                       |
| 1.40pm –<br>2.00pm              | Vortex-Shedding Screening of an AtoN Tower: Australian-European Code Approach Comparison<br><b>Mohammad Asad</b><br><i>AW Maritime</i> | Towards smarter sediment management: forecasting approaches for sustainable dredging<br><b>Wen Deng</b><br><i>University of Queensland</i>            | Unifying Crack-Control Approaches for Marine Structures: A Shift Beyond Working-Stress Design<br><b>Francesco Bonacci</b><br><i>WSP</i> | Remote Area Marine Infrastructure Design – Torres Strait Case Study<br><b>Stuart Bettington</b><br><i>Haskoning Australia</i>        | Practical Green– Grey Coastal Protection for Fiji’s Villages<br><b>Craig Dengate</b><br><i>GHD</i>                                          |
| 2.00pm –<br>2.20pm              | Preventing Premature Failure of Slender Beacon Piles Through Practical Lifecycle Design<br><b>Kaveh Espandar</b><br><i>AW Maritime</i> | Reducing Uncertainty in Predicting Maintenance Dredging Requirements Using a Field-Informed Siltation Model<br><b>Hadi Sadeghian</b><br><i>Jacobs</i> | Durability performance of prestressed concrete girders in a marine environment<br><b>Dan Bryant</b><br><i>Aurecon</i>                   | Design Challenges and Recommendations for Maritime Infrastructure in the Pacific<br><b>David Kunst</b><br><i>Haskoning Australia</i> | Moffat Beach Seawall Reconstruction Project<br><b>Peter Kastrup</b><br><i>Shoreline Civil &amp; Marine Consulting</i>                       |
| 2.20pm –<br>2.40pm              | Designing Navigation Aids in Challenging Ground Conditions: Lessons from Navaid 52, PoN<br><b>Luke Lyons</b><br><i>Agilitus</i>        | Estimating Solid Retention and Overflow Losses in Hopper Dredgers Using 1DV Sedimentation<br><b>Mercedes Cornejo</b><br><i>in2Dredging</i>            | Engineering Oversight in In-Situ Concrete Testing for Maritime Structures<br><b>Kayne Davies</b><br><i>AW Maritime</i>                  | Field Experience: Boat Harbour Construction in Niutao Tuvalu<br><b>Hannah Wilson</b><br><i>Hall Contracting</i>                      | Working with Nature: From Emergency Response to Large-Scale Beach Nourishment Recovery<br><b>Isaac Goessling</b><br><i>Water Technology</i> |
| 2.40pm –<br>3.00pm              | Devonport Tug Berths: Innovative concept in complex conditions<br><b>Tim Crawford</b><br><i>AW Maritime</i>                            | Predicting Bulk Density and Consolidation Behaviour of Fine Sediments in Reclamation Basins<br><b>Simon Burgmans</b><br><i>in2Dredging</i>            | Navigating the Real-World Challenges of Concrete ICCP<br><b>Brendon Grey</b><br><i>Infracorr Consulting</i>                             | Reframing Maritime Standards as Performance Solutions in developing South Pacific countries<br><b>Aaron Carvalho</b><br><i>KBR</i>   | Working with Nature on a Predator-Free Island – Mitiu/Somes Island Wharf Replacement<br><b>Rhys Winter</b><br><i>Brian Perry Civil</i>      |

3.00pm –  
3.30pm

**Afternoon Tea**

| Session 4<br>3.30pm – 5.10pm | 4A: Port Planning and Engineering                                                                                                       | 4B: Technological and Digital Advancements                                                                                                | 4C: Port Planning and Engineering                                                                                                                      | 4D: Port Operations and Management                                                                                                                                                 | 4E: Working with Nature, Environment and Ecosystem Services                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Location                     | Auditorium                                                                                                                              | B1                                                                                                                                        | B2                                                                                                                                                     | B3                                                                                                                                                                                 | Boulevard Room                                                                                                                                                        |
| Chair                        | <i>Sam Isaacs</i>                                                                                                                       | <i>Andrew Catto</i>                                                                                                                       | <i>Clare Pattearson</i>                                                                                                                                | <i>Michael Moss</i>                                                                                                                                                                | <i>Craig Dengate</i>                                                                                                                                                  |
| 3.30pm – 3.50pm              | Port Kembla B104 Wharf Extension<br><b>Shane Freeman</b><br><i>NSW Ports</i>                                                            | LiDAR Moored Ship Motion Measurements at Port of Napier<br><b>Tim Gourlay</b><br><i>Perth Hydro</i>                                       | Declutching in Combi-Walls: A Predictable Risk That Must Be Managed Early<br><b>Patrick McCallum</b><br><i>Worley Consulting</i>                       | Swell and Infragravity Wave Climate in Apra Harbor, Guam<br><b>Sean Garber</b><br><i>Baird Australia</i>                                                                           | Evaluating an Intertidal Garden Feasibility in a High Energy Foreshore Environment<br><b>Hadi Hosseinzadeh &amp; Julius Florenz Giron</b><br><i>Stantec Australia</i> |
| 3.50pm – 4.10pm              | Sustainable Outcomes for a Brownfield Port Development: Eastland Port Twin-Berth Extension<br><b>Ruwan Seneviratne</b><br><i>Worley</i> | Flinders Ports and SiteHive: Real-Time Environmental Intelligence for Port Operations<br><b>Michael Manraj Darroch</b><br><i>SiteHive</i> | CFA Piling Adjacent to Operational Wharf Under Variable Ground Conditions<br><b>Mani Palaniswamy</b><br><i>Flinders Port Holdings</i>                  | Metocean Design Criteria and Operational Forecasting for Marine Construction Offshore Belmont, NSW<br><b>Andrew Bradford</b><br><i>Baird Australia</i>                             | Beneficial re-use of dredged material for shoreline protection and wetland creation<br><b>Nick Lewis</b><br><i>Moffatt &amp; Nichol</i>                               |
| 4.10pm – 4.30pm              | Assessment of Effects for Bledisloe North Wharf and Fergusson North Wharf Extension<br><b>Reza Shafiei</b><br><i>Beca</i>               | Offshore-to-Nearshore Wave Transformation for Terminal Planning<br><b>Alireza Valizadeh</b><br><i>Hatch</i>                               | Framework for Sizing Rock Bags Against Scour Underneath Open Berth Structures<br><b>Amy Blind</b><br><i>WSP</i>                                        | Progress in Tsunami Hazard Mitigation at New Zealand Ports<br><b>Jose Borrero</b><br><i>ORCAS Consulting</i>                                                                       | Barriers to the Beneficial Reuse of Dredged Sediments<br><b>Charlie Bicknell</b><br><i>WSP</i>                                                                        |
| 4.30pm – 4.50pm              | A Success Story in ECI Delivery - Ariki Tahiti Sugarloaf Wharf Upgrade<br><b>Chris Walker</b><br><i>WGA</i>                             | Geo-structural Coupled Parametric Modelling of Deck on Pile Structures<br><b>Sean Donovan</b><br><i>WGA</i>                               | Innovative Solution for Protection of Quay Walls Against Propeller-induced Scour :Case Study<br><b>Mojtaba Tajziehchi</b><br><i>Geobrugg Australia</i> | AIS-based analysis of first-time emergency locking procedures at German Moselle lock Müden<br><b>Philipp Parche</b><br><i>Federal Waterways Engineering and Research Institute</i> | Integrated modelling approach to assess marine environmental impacts of trenching-generated suspended sediments<br><b>Nuala Page</b><br><i>RPS</i>                    |
| 4.50pm – 5.10pm              | AIMS Harbour Redevelopment - Evolution of Design<br><b>Sam Knight</b><br><i>Haskoning Australia</i>                                     | Managing Critical Mooring Risks at TasPorts<br><b>Aidan Lewis</b><br><i>Tasmanian Ports Corporation</i>                                   | Physical modelling of rock bag scour protection at NSW Overseas Passenger Terminal<br><b>Dan Howe</b><br><i>UNSW Water Research Laboratory</i>         |                                                                                                                                                                                    | Improving a recreational boating asset - turning user experience into engineering design<br><b>Eloise Rossetto</b><br><i>KBR</i>                                      |

5.10pm

Close of Day One

6.30pm –

8.30pm

**Young Professionals Networking Function**  
*Pig n' Whistle, 133 Grey Street, South Brisbane*  
*Includes drinks and canapés.*

Sponsored by



**Thursday 27<sup>th</sup> August 2026**

**Conference Registration**

8.15am

*Boulevard Auditorium Foyer, BCEC (Grey Street Entrance)*

8.45am – 9.45am

**Session 5– Plenary**

*Boulevard Auditorium*

8.45am – 8.55am

**Housekeeping and Opening Remarks**

Stuart Bettigton, PIANC APAC 2026 LOC Chair & Luke Campbell, PIANC AU-NZ Chair

8.55am – 9.00am

**Platinum Sponsor Address**



9.00am – 9.40am

**Keynote Address: Leading Transformation for Nature-Positive Infrastructure and Resilient Ports**

Todd Bridges, University of Georgia, United States



**Boskalis**

*Sponsored by*

9.40am – 9.45am

**Platinum Sponsor Address**



| Session 6<br>9.50am – 10.30am | 6A: Port Planning and Engineering                                                                          | 6B: Decarbonisation and Climate Change Adaptation                                                                               | 6C: Port Planning and Engineering                                                                                                                             | 6D: Maritime Development in Emerging and Developing Countries                                                                 | 6E: Working with Nature, Environment and Ecosystem Services                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Location                      | Auditorium                                                                                                 | B1                                                                                                                              | B2                                                                                                                                                            | B3                                                                                                                            | Boulevard Room                                                                                                                     |
| Chair                         | <i>Andy Fung</i>                                                                                           | <i>Gildas Colleter</i>                                                                                                          | <i>Chris Walker</i>                                                                                                                                           | <i>Oliver Poynter</i>                                                                                                         | <i>Toby Devlin</i>                                                                                                                 |
| 9.50am – 10.10am              | Port capacity planning for the future of Western Australia<br><b>Ben Spalding</b><br><i>HR Wallingford</i> | Mobile shore power systems for efficient and sustainable port operations<br><b>Thore Kollmorgen</b><br><i>ShibataFenderTeam</i> | Container Port Location Selection using AHP Decision Analysis<br><b>Engy Mikhail</b><br><i>Jacobs</i>                                                         | Hydrocarbon Liquid Berths in a Tidal River<br><b>Meenakshy Panikkaveettil</b><br><i>KBR</i>                                   | ROVs as a surveillance method for introduced marine pests in ports<br><b>Alex Swanson</b><br><i>H2O Consulting Group</i>           |
| 10.10am – 10.30am             |                                                                                                            | Applying Low Carbon Concrete in Industry<br><b>Philip Vimpani</b><br><i>Arup</i>                                                | Cost Maturity Frameworks to Improve Investment Decision-Making in Port and Marine Projects<br><b>Gavin Sutherland &amp; Ben Ryan</b><br><i>WT Partnership</i> | Options for Dry-docking Vessels with Particular Reference to Graving Docks<br><b>Alan Cowley</b><br><i>Jacobs Engineering</i> | Separating Climatic Effects and Other Drivers on Mangroves at Port of Brisbane<br><b>Darren Richardson</b><br><i>BMT Australia</i> |

10.30am – 11.00am

## Morning Tea

| Session 7<br>11.00am – 12.40pm | 7A: Port Planning and Engineering                                                                                             | 7B: Decarbonisation and Climate Change Adaptation                                                                                                    | 7C: Port Planning and Engineering                                                                                         | 7D: Maritime Development in Emerging and Developing Countries                                                                                                  | 7E: WG 267: The Role of Waterborne Transport Infrastructure in Biodiversity Enhancement                                                                                                              |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Location                       | Auditorium                                                                                                                    | B1                                                                                                                                                   | B2                                                                                                                        | B3                                                                                                                                                             | Boulevard Room                                                                                                                                                                                       |
| Chair                          | <i>Sam Mazaheri</i>                                                                                                           | <i>David Dack</i>                                                                                                                                    | <i>Sam Knight</i>                                                                                                         | <i>Andrew Brown</i>                                                                                                                                            | <i>Dinda Mazeda</i>                                                                                                                                                                                  |
| 11.00am – 11.20am              | WG261: An Update to PIANC Design Principles for Dry Bulk Marine Terminals<br><b>Grace Go</b><br><i>Aspec Engineering</i>      | Building Climate-Resilient and Low-Carbon Maritime Infrastructure in the Philippines<br><b>Zoe Zollinger</b><br><i>Haskoning</i>                     | Risk-Based Approach to Wharf Upgrades in Busy Ports<br><b>Masoud Hosseini</b><br><i>Stantec</i>                           | Adapting International Wharf Assessments for Developing Philippine Marine Ports<br><b>Julliene Alex Arceo</b><br><i>GHD</i>                                    | Opening and update from WG 267 and Mitigation hierarchy for large-scale coastal development and infrastructure projects<br><b>Dinda Mazeda</b><br><i>Boskalis Australia</i>                          |
| 11.20am – 11.40am              | Shiploader removal procedure and challenges<br><b>Kent Abey</b><br><i>Aurecon</i>                                             | Climate Change Perspectives on the Maritime and Recreational Industries<br><b>Gildas Colleter</b><br><i>Water Technology</i>                         | Risk-Based Life Extension of Timber Piles Using Field Data and Structural Modelling<br><b>Andy Fung</b><br><i>Aurecon</i> | Preliminary Performance Observations of Modern Marine Infrastructure Following the Southern Mindanao Mw 7.8 Earthquake<br><b>Serj Donn David</b><br><i>GHD</i> | D-Eco Impact: A tool for spatio-temporal ecological impact assessments<br><b>Natasha Flores</b><br><i>Deltares</i>                                                                                   |
| 11.40am – 12.00pm              | Accelerated Reconstruction of Cyclone Damaged Export Wharf at Groote Eylandt<br><b>Dylan Williams</b><br><i>Aurecon</i>       | Physical Modelling of Wave-driven Sea Ice Drift<br><b>Azam Dolatshah</b><br><i>Hatch</i>                                                             | Keeping Berths Berthing: Integrated Planning and Rehab for an Ageing Wharf<br><b>Burgert Wilken</b><br><i>WGA</i>         | Non-Linear Dynamic Analysis for Liquefaction Assessment Using Advanced Constitutive Models<br><b>Helli-mar Trilles</b><br><i>GHD</i>                           | Building Tomorrow: Workshop Synthesis on Additive Manufacturing and Nature-Inspired Design for Biodiversity<br><b>Alyssa Calomeni-Eck</b><br><i>US Army Engineer Research and Development Center</i> |
| 12.00pm – 12.20pm              | Going Beyond the Design: Extending the Service Life of Ageing Shiploaders<br><b>Jolan Schloss</b><br><i>Aspec Engineering</i> | Harboring change: a three-part framework for port decarbonisation<br><b>James Wilkinson</b><br><i>Jacobs</i>                                         | De-risking delivery of critical wharf remediation<br><b>Andrew Wright</b><br><i>Port of Melbourne</i>                     | Domestic Port Development in the Pacific Islands<br><b>Kane Satterthwaite</b><br><i>Beca</i>                                                                   | Re-introducing light to working waterfronts: Ecological implications for port design<br><b>Katherine Dafforn</b><br><i>Umass Boston Stone Living Lab</i>                                             |
| 12.20pm – 12.40pm              | Designing a multi-product stockyard using dynamic simulation<br><b>Abbey Trewenack</b><br><i>Theia</i>                        | Compliance to Resilience: How Sustainability Reporting is Transforming Board Climate Risk Oversight<br><b>James Crewe</b><br><i>McConnell Dowell</i> |                                                                                                                           | Towards Decarbonised Inter-Island Ferries in the Philippines: Project Context and Pilot Development Approach<br><b>Christopher Wong</b><br><i>Arup</i>         | 5 BIG ideas for economically integrating nature and community in coastal design<br><b>Matthew Allen</b><br><i>Wavex</i>                                                                              |



12.40pm –  
1.40pm

**Lunch**

| Session 8<br>1.40pm –<br>3.00pm | 8A: Port Planning and Engineering                                                                                                          | 8B: Technological and Digital Advancements                                                                                                                                                | 8C: Port Planning and Engineering                                                                                                                                             | 8D: Port Operations and Management                                                                                                                                  | 8E: WG 267: The Role of Waterborne Transport Infrastructure in Biodiversity Enhancement                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Location                        | Auditorium                                                                                                                                 | B1                                                                                                                                                                                        | B2                                                                                                                                                                            | B3                                                                                                                                                                  | Boulevard Room                                                                                                                               |
| Chair                           | <i>Stuart Bettington</i>                                                                                                                   | <i>Mark Bennet</i>                                                                                                                                                                        | <i>Joseph Dbais</i>                                                                                                                                                           | <i>Peter Engelen</i>                                                                                                                                                | <i>Dinda Mazed</i>                                                                                                                           |
| 1.40pm –<br>2.00pm              | Synergistic Design: integrated solutions for shiploader replacement at Dalrymple Bay Terminal<br><b>Jack Kliner</b><br><i>Aurecon</i>      | FlexTerm Emulation Proof of Concept for Tauranga Container Terminal Automation Project<br><b>Rodney Hancock</b><br><i>Moffatt &amp; Nichol &amp; Lane Webb</i><br><i>Port of Tauranga</i> | PIANC WG254 Update of Superyacht Marina Guidelines<br><b>Mike Thackray</b><br><i>Yachtmarinas Australia</i>                                                                   | Engineering Decision-Making for Deteriorating Marine Infrastructure: Operational Ports and Public Coastal Infrastructure<br><b>Tom Atkins</b><br><i>AW Maritime</i> | Living Ports: opportunities and challenges for greening of grey infrastructure<br><b>Melanie Bishop</b><br><i>Macquarie University</i>       |
| 2.00pm –<br>2.20pm              | Stabilisation of Cyclone Damaged Export Wharf and Shiploader at Groote Eylandt<br><b>Niall McNulty</b><br><i>McConnell Dowell</i>          | Implement digitalization into small- and medium-sized ports – A case study<br><b>Guangrong Zou</b><br><i>VTT Technical Research Centre of Finland</i>                                     | Wave protection in recreational facilities in Port Phillip Bay<br><b>Toby Devlin</b><br><i>Water Technology</i>                                                               | Innovations in Planning and Execution of Large-scale Structural Remediation Shutdowns<br><b>Anthony Muhling</b><br><i>Aurecon</i>                                   | Lessons Learnt from the Application of Dredge Material Beneficial Use Framework<br><b>Bradley Smith</b><br><i>Westpeak Engineering</i>       |
| 2.20pm –<br>2.40pm              | Engineering Cost-Effective, Climate Resilient Maritime Structures Through Displacement-Based Design<br><b>Jordan Wolfe</b><br><i>Wolfe</i> | Jetty bent corrosion repair optimisation at Lucinda Bulk Sugar Terminal<br><b>Edwin Swierstra</b><br><i>Aurecon</i>                                                                       | Delivering Coastal Recreation at Bowen: a Recreational Jetty and Shared Access Causeway<br><b>Sin Nyap Tan &amp; Stuart McDonnell</b><br><i>North Queensland Bulk Ports</i>   | Smarter Wharf Assessments: Next-Gen Data and AI in WSCAM 2022<br><b>Hein Zaw</b><br><i>KBR</i>                                                                      | Aligning Port Development with Sustainability Goals: The Westport Seagrass Restoration Strategy<br><b>Michael Brooker</b><br><i>Westport</i> |
| 2.40pm –<br>3.00pm              | Limestone Port Upgrades – Design Flexibility and Stakeholder Collaboration<br><b>Alastair Oliver</b><br><i>WGA</i>                         | Key Challenges in Upgrading Port Fire Foam System from PFAS Foams<br><b>Dave Afshari</b><br><i>Fire Engineering Solutions QLD</i>                                                         | Porous-Surface Elevated Public Boat Ramp constructed from FRP and GFRP Reinforced Concrete<br><b>Andrew Turnbull-Miller</b><br><i>Shoreline Civil &amp; Marine Consulting</i> | Optimised Design & Construction of 2.4km jetty with SPCTS<br><b>Peter Volesky</b><br><i>McConnell Dowell</i>                                                        | WG 267 Workshop<br><b>Chaired by Matthew Allen, Anabel Dyson</b>                                                                             |

3.00pm –  
3.30pm

**Afternoon Tea**

| Session 9<br>3.30pm – 4.50pm                                              | 9A: Port Planning and Engineering<br>                                | 9B: Dredging and Reclamation                                                                                                                   | 9C: Port Planning and Engineering                                                                                                            | 9D: Ports and Shipping Enabling the Clean Energy Transition                                                                                      | 9E: Decarbonisation and Climate Change Adaptation                                                                                                                           |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Location                                                                  | Auditorium                                                                                                                                            | B1                                                                                                                                             | B2                                                                                                                                           | B3                                                                                                                                               | Boulevard Room                                                                                                                                                              |
| Chair                                                                     | <i>Harvinder Singh</i>                                                                                                                                | <i>Jasvinder Pantlia</i>                                                                                                                       | <i>Jack Kliner</i>                                                                                                                           | <i>Joris Jorissen</i>                                                                                                                            | <i>Jenny Loveday</i>                                                                                                                                                        |
| 3.30pm – 3.50pm                                                           | Apia Port Master Plan Update<br><b>Richard Hill</b><br><i>GHD Australia</i>                                                                           | Rapid emergency tidal closure works at Bribie Island, Queensland<br><b>Aaron Salyer</b><br><i>International Coastal Management</i>             | Design of the New Southern Barge Ramp at Port of Cairns<br><b>Michael Kelleher</b><br><i>Shoreline Civil &amp; Marine Consulting</i>         | Environmental Forcing Effects on AIS-Based Vessel Emissions Estimates in Shallow Port Channels<br><b>Timothy Womersley</b><br><i>DHI Seaport</i> | Improving seawall resilience using Cubipod® armour units: a first for Asia-Pacific<br><b>Jennifer Hart</b><br><i>Beca</i>                                                   |
| 3.50pm – 4.10pm                                                           | Queen Salote International Wharf Resilient Maritime Infrastructure in a Pacific Island Environment<br><b>Ali Minhas</b><br><i>Haskoning Australia</i> | Connecting Knowledge: Key Considerations for the Development of Maintenance Dredging Strategies<br><b>Catherine Bell</b><br><i>AW Maritime</i> | Design of Offshore Intake&Outfall Structures for the Alkimos Seawater Desalination Plant<br><b>Hari Panchumarthi</b><br><i>Jacobs</i>        | Challenges for offshore wind construction ports in Australia<br><b>Eoin Richardson</b><br><i>Jacobs</i>                                          | Devil in the detail – toes, transitions and terminations in pattern placed armour units<br><b>Tom Shand</b><br><i>Tonkin + Taylor</i>                                       |
| 4.10pm – 4.30pm                                                           | Addressing Harbour Tranquillity Through Port Layout Redesign: Lessons from Aiwo Port<br><b>Hoan Nguyen</b><br><i>Haskoning Australia</i>              | Closure of a Barrier Island Breakthrough in a Multi-Inlet System: Bribie Island<br><b>Zac Couper</b><br><i>BMT Australia</i>                   | Port Development Insights for Future AMF Transitions, based on Historic Fuel Transitions<br><b>David Aubourg</b><br><i>Worley</i>            | Green Fuels and Bunkering Infrastructure Requirements<br><b>Gabe Tooker</b><br><i>Worley Consulting</i>                                          | Mapping the stakeholder complexities of a port to understand the collaborative relationships<br><b>Laura West</b><br><i>University of Sydney</i>                            |
| 4.30pm – 4.50pm                                                           | Niue Wharf Feasibility Study: To dock at “The Rock” or not?<br><b>Andrew Brown</b><br><i>Tonkin + Taylor</i>                                          |                                                                                                                                                | Evaluation of design techniques for extra heavy-duty flexible pavements and other considerations<br><b>Boon Chua</b><br><i>KBR Australia</i> | The Port–Rail Interface: Revisiting Port Botany’s Rail Planning Ten Years On<br><b>Mahim Khanna</b><br><i>Portwise - Haskoning Company</i>       | Port Kembla Breakwater: Back-analysing potential breakwater storm damage to understand resilience and impact from future storm events<br><b>Oliver Davey</b><br><i>Arup</i> |
| 4.50pm – 4.55pm <b>Changeover</b>                                         |                                                                                                                                                       |                                                                                                                                                |                                                                                                                                              |                                                                                                                                                  |                                                                                                                                                                             |
| 4.55pm – 5.15pm <b>Session 10– Plenary</b><br><i>Boulevard Auditorium</i> |                                                                                                                                                       |                                                                                                                                                |                                                                                                                                              |                                                                                                                                                  |                                                                                                                                                                             |

4.55pm – 5.00pm **Gold Sponsor Address**



5.00pm – 5.20pm **Conference wrap-up**

Stuart Betington, PIANC APAC 2026 LOC Chair & Francisco Esteban Lefler, PIANC President



7.30pm –  
11.30pm

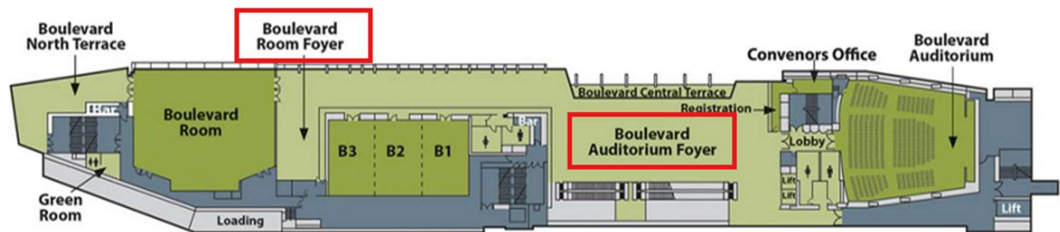
## Conference Dinner & Awards

*Plaza Ballroom, Brisbane Convention & Exhibition Centre*

Dinner Speaker: **Craig Longmuir**, Regional Harbour Master - Mackay

Sponsored by **WGA**

### Conference Venue Map



### Note

The 20-minute sessions include 15 minutes for the paper presentation, 3 minutes for Q&A, and two minutes for movement between rooms.