

Presentations: 15min + 5min questions

Sunday 10th November 2024

2.00pm to 5.00pm  
Young Corrosion Group (YCG) Pool Party  
Venue: Crystalbrook Bailey - A/163 Abbott St, Cairns City QLD 4870

4.00pm to 6.00pm  
Registration Desk Opens - Arena | Cairns Convention Centre

6.00pm to 9.00pm  
Welcome Reception - Crystalbrook Bailey Rooftop

Monday 11th November 2024

Monday	8:15:00 AM	9:00:00 AM	Opening Ceremony, Acknowledgement of Country, Starting of the Ed Potter Corrosion Clock Plenary Room  DOOR 5 Room: Auditorium B&C		
Monday	9:00:00 AM	9:45:00 AM	Plenary Speaker - Sponsor Speaker PPG Evolution of Foul Release Coatings Author and Presenter: David Harvey		
Monday	9:45:00 AM	10:30:00 AM	Plenary Speaker The fight against corrosion in our vital marine ecosystems Author and Presenter: Joyce Wright		
Monday	10:30:00 AM	11:00:00 AM	Morning Tea Venue: The Arena, Cairns Convention Centre		
			Concurrent Stream 1A DOOR 5 - Auditorium B&C Cathodic Protection Session Chair: Richard Brodribb	Concurrent Stream 1B DOOR 1 - Auditorium A Coatings Session Chair: Daniel Fosdike	Concurrent Stream 1C DOOR 6 - Auditorium D Non Ferrous Session Chair: Igor Chaves
Monday	11:00:00 AM	11:20:00 AM	Retofit CP System options for large offshore platforms Author: John Grapiglia Co-author and Presenter: Jim Galanos Paper Number: ACA2024-21668	Protection Of Steel At Edges And Scratches By Zinc Coatings Author and Presenter: Robert Francis Paper Number: ACA2024-21571	Bi-Modal Corrosion Behaviour Of Magnesium Alloys Author and Presenter: Robert Melchers Paper Number: ACA2024-21587
Monday	11:20:00 AM	11:40:00 AM	Examining The Performance Of Cathodic Protection Technologies In Reinforced Concrete Structures In Accordance With Australian Standards Author and Presenter: Martin Cheytani Paper Number: ACA2024-21603	Coating Specifications - Contrasting Colours For Better Topcoat Performance Author: Daniel Mckeown Presenter: Jason Farrugia Paper Number: ACA2024-21584	Environmentally Assisted Cracking And Cavitation Performance Of Nickel Aluminium Bronze In Salt Water: Cast Vs. AM Author and Presenter: Darren Cram Paper Number: ACA2024-21686
Monday	11:40:00 AM	12:00:00 PM	The Effects Of Shielding On Current Distribution In Impressed Current Cathodic Protection In Reinforced Concrete Author and Presenter: Shamir Bhuiyan Paper Number: ACA2024-21652	Limitations Of ISO/FDIS 21809-3 As Proxy For Epoxy Coating Electrical Resistance Author and Presenter: Bob Varela Paper Number: ACA2024-21617	Hot Water Pitting And Corrosion Loss Trends For Phosphorous Deoxidised (DHP) And Phosphorous Deoxidised Arsenical (DPA) Copper Alloys Author: Peter Richardson Presenter: David Nicholas Paper Number: ACA2024-21577
Monday	12:00:00 PM	12:20:00 PM	How Surface Applied Cathodic Protection Systems Can Be Used To Extend The Service Life Of Existing Reinforcement Concrete Structures Author and Presenter: Andrew Dickinson Paper Number: ACA2024-21625	Effects Of Varying The Time Between Surface Preparation And Coating Application, On The Performance Of Epoxy Marine Coating Systems. Author and Presenter: Henry Morrow Paper Number: ACA2024-21645	Corrosion Failure Mechanism Of 5083 Aluminum Alloy In Seawater: A Shipbuilding Case Study Author and Presenter: Amir Farzaneh Paper Number: ACA2024-21635

Monday	12:20:00 PM	12:40:00 PM	Enhancement Of Impressed Current Cathodic Protection (ICCP) Anode's Back-Fill By Implementing A Sustainable Cementitious Mortar With High Acid Resistance Author and Presenter: Sayed Hamid Fatemi Nayeri Paper Number: ACA2024-21705	Moisture Penetration Property Of Paint System Evaluated With Wetness Sensors Author and Presenter: Teruhisa Tatsuoka Paper Number: ACA2024-21620	
Monday	12:40:00 PM	1:40:00 PM	Lunch Venue: The Arena, Cairns Convention Centre		
			Concurrent Stream 2A DOOR 5 - Auditorium B&C Cathodic Protection Session Chair: Martin Cheytani	Concurrent Stream 2B DOOR 1 - Auditorium A Concrete Session Chair: Vahid Nadiran	Concurrent Stream 2C DOOR 6 - Auditorium D Oil, Gas & Energy Forum Session Chair: Arthur Kokelekos
Monday	1:40:00 PM	2:00:00 PM	Design And Implementation Of A New High Power DC Mitigation Rectifier System For Rail. Author and Presenter: Richard Brodribb Paper Number: ACA2024-21524	Deterioration Of Concrete Piles Underwater Author and Presenter: Philip Karajayli Paper Number: ACA2024-21579	Oil, Gas & Energy sponsor LuminUltra - Opening Presentation (5-10min) Welcomes OGETG Summary Achievements 2024 Nominations for OGETG Chairman & Secretary 2025 Forum Theme Introduction & Overview
Monday	2:00:00 PM	2:20:00 PM	Cathodic Protection Design - Correlation Of Actual Versus Theoretical Outcomes For CP Designs Based On AEM (Airborne Electromagnetic) Soil Data Author and Presenter: Allan Sterling Paper Number: ACA2024-21581	Carbon Nanotube Liquid Additive Technology Improving Concrete Durability, Design Life And Providing A Sustainable Alternative. Author: Tasha Eagle Presenter: Colin Picton Paper Number: ACA2024-21666	Digital twin corrosion models for proactive pipeline integrity control Presenter: Christophe Baete, Manager Corrosion Engineering Representing: Elsyca (Belgium)
Monday	2:20:00 PM	2:40:00 PM	Assessment Criteria For The Electrochemical Protection Of Steel Author and Presenter: Gareth Glass Paper Number: ACA2024-21541	A Twenty-Year History In ANZ Of HDPE CPL In Aggressive Environments Author and Presenter: Andrew Sarkady Paper Number: ACA2024-21673	Determining the best management strategies for different damage mechanisms – Corrosion Control Documents (CCDs) Presenter: Rodrigo Moraes Kunrath Representing: QUEST Integrity (New Zealand)
Monday	2:40:00 PM	3:00:00 PM	Challenges In Condition Assessment Of Aged Pipelines And Assets Enhanced By Life Extension Methods Including The Use Of Cathodic Protection System Author and Presenter: Bob P Ping Phang Paper Number: ACA2024-21593	Long-Term Durability Of Passive Realkalization Solution In Concrete Remediation: A 10-Year Field Study Author and Presenter: Paul Mukhin Paper Number: ACA2024-21669	Recent progress in hygrothermal modelling for CUI (Corrosion under insulation) management Presenter: Thunyaluk (Kod) Pojtanabuntoeng, Woodside Chevron Chair in Materials and Corrosion Engineering Representing: Curtin University
Monday	3:00:00 PM	3:20:00 PM		Realkalisation Technology For Tasmanian Road Bridges Author and Presenter: Jamie Horan Paper Number: ACA2024-21707	Q&A Overflow Open discussion - Wants & needs from OGETG members & attendees from Technical Group - Gaps & Opportunities? - Outline proposed 2025 activities - Attendee feedback of Forum Close Forum
Monday	3:20:00 PM	3:50:00 PM	Afternoon tea Venue: The Arena, Cairns Convention Centre		
			Concurrent Stream 3A DOOR 5 - Auditorium B&C Modelling and Additive Session Chair: Dean Ferguson	Concurrent Stream 3B DOOR 1 - Auditorium A Coatings Session Chair: Peter Dove	Concurrent Stream 3C DOOR 6 - Auditorium D Marine Session Chair: Steven Nearhos
Monday	3:50:00 PM	4:10:00 PM	Improving Asset Reliability By Upgrading Base Metal Metallurgy Utilizing True High Velocity Thermal Spray Author and Presenter: Philip Williams Paper Number: ACA2024-21566	Testing Of Coatings On Elastomeric Substrates Author and Presenter: Daniel Fosdike Paper Number: ACA2024-21676	Crevice Corrosion Of Mild Steel After Two Years Of Exposure In Natural, Nutrient-Dosed, And UV-Treated Seawaters Autho and Presenter: Robert Petersen Paper Number: ACA2024-21564
Monday	4:10:00 PM	4:30:00 PM	ILI Data Fusion - Deep Field Analysis And AI Approaches In The Inline Inspection Industry Author and Presenter: Kevin Siggers Paper Number: ACA2024-21706	Analysis Of Dust Levels Created By Centrifugal Abrasive Blasting Author: Darren McDonald Presenter: Rhianna McHendrie Paper Number: ACA2024-21574	Observations Of Multi-Step Pitting Corrosion Of Steels In De-Ionized Water And Seawater Author and Presenter: Robert Melchers Paper Number: ACA2024-21588
Monday	4:30:00 PM	4:50:00 PM	Drone Survey With Digital Twin Models – The Future Of Asset Inspection And Remediation Author and Presenter: Razana Razak Paper Number: ACA2024-21624	Effect Of Surface Sand Coating On Adhesion Of Seawater Sea Sand Concrete To Carbon-Glass Hybrid Fibre-Reinforced Polymer Tubes Author and Presenter: Leila Bazli Paper Number: ACA2024-21632	Preserving History: A Case Study Of Fort Nepean's Conservation Challenges In A Coastal Environment Author and Presenter: Fiona Collins Paper Number: ACA2024-21602

Monday	4:50:00 PM	5:10:00 PM	Current Progress In Corrosion Of Multi Principal Element Alloys Author and Presenter: Marzie Ghorbani Paper Number: ACA2024-21621	Continuous Zinc And Zinc-Alloy Coatings In Structural Applications Author and Presenter: David Harrison Paper Number: ACA2024-21641	SHEET PILE WALL PROTECTION USING A PETROLATUM TAPE SYSTEM ON ROTTNEST ISLAND MAIN JETTY Author and Presenter: David Edelman Paper Number: ACA2024-21523
Monday	5:10:00 PM	5:30:00 PM		Changes To The Australian And New Zealand Standard For Hot Dip Galvanized Coatings On Fabricated Iron And Steel Articles – Specification And Test Methods Author and Presenter: Ann Sheehan Paper Number: ACA2024-21643	Numerical Modelling For Corroded Marine Structures Under Dynamic Loading Using Mesh-Free Particle Methods Author and Presenter: Ahmed Nisham Paper Number: ACA2024-21661
Monday	5:30:00 PM	5:50:00 PM		Combined Cycle Test With ISO 16539 Results Of Corrosion Protection Effect Of Hot-Dip Zinc-Aluminum Alloy Plating Used On Overhead Power Transmission Towers. Author and Presenter: Takehiro Kanai Paper Number: ACA2024-21680	Cairns Main Wharves 1-5 Remediation Author and Presenter: Maxime PANAFIEU Paper Number: ACA2024-21585
Monday	6:00:00 PM	8:00:00 PM	Exhibition Hall Reception Free Expo Hall Entry to Cairns Locals Venue: The Arena, Cairns Convention Centre		
Tuesday 12th November 2024					
Tuesday	7:00:00 AM	9:00:00 AM	Women in Corrosion Breakfast Room: M2 & M3		
Tuesday	9:00:00 AM	9:45:00 AM	Auditorium B&C PF Thompson Speaker Some Microstructural Influences Upon Localised Corrosion Nick Birbilis		
Tuesday	9:45:00 AM	10:30:00 AM	Auditorium B&C Plenary Speaker Ports - Anchors of the Energy Transition Author and Presenter: Christine Crawshaw		
Tuesday	10:30:00 AM	11:00:00 AM	Morning Tea Venue: The Arena, Cairns Convention Centre		
			Concurrent Stream 4A DOOR 5 - Auditorium B&C Sustainability Session Chair: Sarah Furman	Concurrent Stream 4B DOOR 1 - Auditorium A Coatings Session Chair: David Edelman	Concurrent Stream 4C DOOR 6 - Auditorium D Water Session Chair: Andrew Sarkady
Tuesday	11:00:00 AM	11:20:00 AM	Durability Plans And Corrosion In Major Infrastructure Projects Author and Presenter: David McDonald Paper Number: ACA2024-21572	Bridging the Gap in Coating Performance Author and Presenter: Matthew Brown Paper Number: ACA2024-21521	Concrete Asset Inspections On Wastewater Infrastructure Author and Presenter: Justin Rigby Paper Number: ACA2024-21552
Tuesday	11:20:00 AM	11:40:00 AM	Corrosion And Environmental Cracking Risks In Carbon Capture And Storage Author and Presenter: Gilles Dour Paper Number: ACA2024-21639	Revolutionizing Thermal Insulation Coatings: Field Study By Georgia Pacific Heralds 49% Energy Savings And Stops CUI Author and Presenter: Shane Strudwick Paper Number: ACA2024-21634	CASE STUDY - Waterproofing Black Hill Reservoir, New South Wales Author and Presenter: David Johnstone Paper Number: ACA2024-21654
Tuesday	11:40:00 AM	12:00:00 PM	Carbon Life Cycle Assessment Of Corrosion Protection Systems On Steel Bridges Author and Presenter: Raed El Sarraf Paper Number: ACA2024-21651	Ultra Low Thermal Conductivity Polymer Materials For Thermal Insulation Applications Author and Presenter: Nicholas Sheng Loong Tan Paper Number: ACA2024-21589	Investigating Fractures In Metal Seated Gate Valves: Understanding Failure Mechanisms And Mitigation Strategies Author and Presenter: Carol Ke Paper Number: ACA2024-21685
Tuesday	12:00:00 PM	12:20:00 PM	Thermal Insulating Coatings: An Innovative And Safe Alternative To Traditional Insulation Systems Author and Presenter: Cody Watson Paper Number: ACA2024-21715	BHP Nickel West Kwinana - Exposure Trial – Amsut Plant Author and Presenter: Johann Myburgh Paper Number: ACA2024-21713	Understanding The Corrosion Mechanisms Of Concrete Columns In Potable Water Tanks Author: Mir Ali Shams Presenter: Vahid Nadiran Paper Number: ACA2024-21637
Tuesday	12:20:00 PM	12:40:00 PM		Highly Barrier Anticorrosion Polyurethane Material For Hydrogen Storage Author and Presenter: Mohammad Mizanur Rahman Paper Number: ACA2024-21607	CASE STUDY - Extending The Service Design Life Of Sewage Assets Using Hybrid PU Linings In Central Queensland Author and Presenter: David Johnstone Paper Number: ACA2024-21674

Tuesday	12:40:00 PM	1:40:00 PM	<b>Lunch</b> <b>Venue: The Arena, Cairns Convention Centre</b>		
			Concurrent Stream 5A <b>DOOR 5</b> - Auditorium B&C Coatings Forum <b>Session Chair: Justin Rigby</b>	Concurrent Stream 5B <b>DOOR 1</b> - Auditorium A Asset Management <b>Session Chair: Ted Riding</b>	Concurrent Stream 5C <b>DOOR 6</b> - Auditorium D Steel <b>Session Chair: Ian Godson</b>
Tuesday	1:40:00 PM	2:00:00 PM	Coatings Sponsor International Paint Opening Presentation  Aged Standards (CH-003) Justin Rigby  AS 3894.1 Willie Mandeno  AS/NZS 2312 Part 3 Willie Mandeno and Oscar  Coatings for friction joints Peter Golding and Matthew O'Keefe	Probing And Controlling Localised Corrosion In Complex Environments: A Review Of Key Challenges And Future Perspectives Author and Presenter: Yonglun Tan Paper Number: ACA2024-21605	Corrosion Case Studies Starting With Stainless Steels Author and Presenter: Graham Sussex Paper Number: ACA2024-21663
Tuesday	2:00:00 PM	2:20:00 PM		Evolution Of Corrosion Considerations In The AS3700 Masonry Structures Standard: A Historical Analysis And Implications For Durability Enhancement Author and Presenter: Md Akhtar Hossain Paper Number: ACA2024-21561	Corrosion Of Weathering Steel Author and Presenter: Narendra Tripathi Paper Number: ACA2024-21681
Tuesday	2:20:00 PM	2:40:00 PM		Port Of Hastings Multifaceted Design Project Author and Presenter: Nathaniel Berends Paper Number: ACA2024-21586	The '56 Chev - A Cautionary Tale Author and Presenter: Robert Jeffrey Paper Number: ACA2024-21642
Tuesday	2:40:00 PM	3:00:00 PM		Predictive Maintenance by In-Field EIS using the CQM Method Author and Presenter: Guus Coolegem Paper Number: ACA2024-21690	Effect Of Hydrogen On Oxidation Of Fe-20Cr-(1Si, 2Mn Or 2Al) Alloys In Water Vapour At 650C Author and Presenter: J. Zhang Paper number: ACA2024-21560
Tuesday	3:00:00 PM	3:20:00 PM			Deep Well Impressed Current Cathodic Protection System For Steel Piles Of A New Bridge Over A River Author and Presenter: Saeed Ali Paper Number: ACA2024-21594
Tuesday	3:20:00 PM	3:50:00 PM	<b>Afternoon tea</b> <b>Venue: The Arena, Cairns Convention Centre</b>		
			Concurrent Stream 6A <b>DOOR 5</b> - Auditorium B&C Concrete & Concrete Forum <b>Session Chair: Andrew Dickinson</b>	Concurrent Stream 6B <b>DOOR 1</b> - Auditorium A MIC <b>Session Chair: Laura Machuca</b>	Concurrent Stream 6C <b>DOOR 6</b> - Auditorium D Steel <b>Session Chair: Graham Sussex</b>
Tuesday	3:50:00 PM	4:10:00 PM	Long Term Resistance Of Geopolymer Aggregate Concrete Against Chloride Attack. Author and Presenter: Charitha Seneviratne Paper Number: ACA2024-21688	Orientation Of Coupons In Microbially Influenced Corrosion Testing, What Difference Does It Make? Author and Presenter: Scott Wade Paper Number: ACA2024-21662	Weathering Steel Durability In Australasia Author and Presenter: Willie Mandeno Paper Number: ACA2024-21565
Tuesday	4:10:00 PM	4:30:00 PM		Case Study On Microbiologically Induced Corrosion In Industrial Water And Immersion Tests Author and Presenter: Toshiyuki Sunaba Paper Number: ACA2024-21612	In-Situ Metal Wall Tie Corrosion Inspection Of Pre-1990 Brick Buildings Author and Presenter: Igor Chaves Paper Number: ACA2024-21583
Tuesday	4:30:00 PM	4:50:00 PM	<b>Pros and cons of SACP vs ICCP</b> Mohammad Ali (GHD)  <b>Condition assessment of concrete structures - Specifying test scopes that inform the solution – the trade-off between collecting more data and cost</b> Phil Karajayli (Duratec)  <b>Design, durability, and construction for concrete repair in an alpine region</b> Jessica Lyndon (Infracorr)	Comparative Analysis Of Aerobic/Anaerobic Environments On Microbiologically Influenced Corrosion In Industrial Water Author and Presenter: Satoshi Wakai Paper Number: ACA2024-21614	Impact Of Corrosion On The Characteristic Compression Strength Of Steel Wall Ties Within A Brick Veneer Wall System Author and Presenter: Lyndsey Terry Paper Number: ACA2024-21568
Tuesday	4:50:00 PM	5:10:00 PM		Identification & Control Of Persistent Sulphate Reducing Bacteria (SRB) & Tuberculate Microbial Induced Corrosion (MIC) Consortium From A Mild Steel Closed-Loop Building Cooling System By A Novel Combination Strategy Relying On Anti-Corrosion & Anti-Microbial Additives Author and Presenter: Steven Nearhos Paper Number: ACA2024-21573	Detecting Corroded Wall Ties Through Non-Destructive Means Author and Presenter: Chee Yin Lam Paper Number: ACA2024-21554
Tuesday	5:10:00 PM	5:30:00 PM		Corrosion And Microbiome Analysis Of Galvanic Connected Type 304 Stainless Steel With Dissimilar Microstructures Pair In Freshwater Author and Presenter: Yasuyuki Miyano Paper Number: ACA2024-21608	

Tuesday	5:30:00 PM	5:50:00 PM		Scanning Ion Conductance Microscopy And Confocal Laser Scanning Microscopy Of Biofilm Formed On Glass In PBS Author and Presenter: Nobumitsu Hirai Paper Number: ACA2024-21618	
Tuesday	6:30:00 PM	12:00:00 AM	Awards Dinner Cairns Convention Centre – Trinity Ballroom		
Wednesday 13th November 2024					
			Concurrent Stream 7A DOOR 5 - Auditorium B&C NAV Sea & Defence Forum Session Chair: Wayne Neil	Concurrent Stream 7B DOOR 1 - Auditorium A Research in Progress Forum Session Chair: Md. Awais Javed	Concurrent Stream 7C DOOR 6 - Auditorium D Applicator Forum Session Chair: Tim Billing
Wednesday	8:30:00 AM	9:30:00 AM	NAV SEA & Defence Forum		
Wednesday	9:30:00 AM	9:50:00 AM		Modelling and machine learning for the understanding and discovery of new molecules for corrosion inhibition Ivan Stuart Cole, RMIT University, VIC, Australia  Inhibiting hydrogen permeation of pipeline steel by chemical inhibitors Zhi Wang, Deakin University, VIC, Australia  Hydrogen embrittlement resistance evaluation of 316L stainless steel produced using direct energy deposition Esteban Rodoni, Curtin University, WA, Australia  Simulating fouling: A novel approach to studying corrosion of copper-nickel alloys in marine environments Muhammad Awais Javed, Swinburne University, VIC, Australia	Welcome and Introduction Welcome Speech. Introduction. Call for Nominees. Discuss ATG Objectives and awards. Past Winners. Background. Remind People to nominate next year. Tim Billing  Golden Trowel Award Presentation by Pensar Tim Billing  Rust Award Presentation Presentation by Spillers TBC  Rust Award Presentation Presentation by Eptec TBC  Introduction to AMPP C Series Training Overview of Craftworker series training. AJ Russell  IPCQ Presentation TBC
Wednesday	9:50:00 AM	10:10:00 AM			
Wednesday	10:10:00 AM	10:30:00 AM			
Wednesday	10:30:00 AM	11:00:00 AM	Morning Tea Venue: The Arena, Cairns Convention Centre		
Wednesday	11:00:00 AM	11:45:00 AM	Auditorium B&C Plenary Speakers Cathodic Protection and its implications for vessels in the Royal Australian Navy Authors and Presenters: Wayne Neil & Kathryn Dylejko		
Wednesday	11:45:00 AM	12:30:00 PM	Auditorium B&C Plenary Speaker Sustainably led asset management: A Pacific Case- Study   Queens Wharf, Lautoka FIJ Author and Presenter: Blane McGuiness		
Wednesday	12:30:00 PM	1:20:00 PM	Lunch Venue: The Arena, Cairns Convention Centre		
			Concurrent Stream 8A DOOR 5 - Auditorium B&C Coatings Session Chair: Willie Mandeno	Concurrent Stream 8B DOOR 1 - Auditorium A Research in Progress Forum Session Chair: Md. Awais Javed	Concurrent Stream 8C DOOR 6 - Auditorium D Cathodic Protection Forum Session Chair: Alireza Koukhan
Wednesday	1:20:00 PM	1:40:00 PM	Effectiveness Of Concrete Fluids To Prevent Further Corrosion Under Pipeline Disbonded Coatings Author and Presenter: SALMAN AL-SAEEDI Paper Number: ACA2024-21650		

Wednesday	1:40:00 PM	2:00:00 PM	Third Generation Polysiloxane Coatings For Elevated Temperature Service Author and Presenter: James Reynolds Paper Number: ACA2024-21623	Detecting flooding events in buried assets Paul White, RMIT University, VIC, Australia	Opening the session – Bruce Ackland Brian Martin Memorial session Dave Nicholson and Bruce Ackland
Wednesday	2:00:00 PM	2:20:00 PM	Superhydrophobic Coatings For Corrosion Control Author and Presenter: Liliana Madaleno Paper Number: ACA2024-21575	Assessing, detecting and mitigating significant localised corrosion at waterline using multi electrode array Medhani Dinushika, Deakin University, VIC, Australia	Closed-loop CP field testing research results Bob Varela (Deakin University)
Wednesday	2:20:00 PM	2:40:00 PM	Case Study: Victoria Street Bridge, Cambridge, New Zealand Author and Presenter: Johann Myburgh Paper Number: ACA2024-21714	Monitoring Steel Reinforcement Corrosion in Concrete Using Multi-Arrayed Fiber Bragg Grating (FBG) Sensors Shuvashis Saha, University of Sydney, NSW, Australia	The AS/NZS 3004.1 Electrical installations – Marinas and Boats review updated Wayne Burns (Anode Engineering)
Wednesday	2:40:00 PM	3:00:00 PM		Electrochemical additive manufactured (ECAM) samples for galvanic testing Paul White, RMIT University, VIC, Australia	The AS/NZS 3004.1 Electrical installations – Marinas and Boats review updated Wayne Burns (Anode Engineering)
Wednesday	3:00:00 PM	3:30:00 PM		Characterisation of time-of-wetness sensors and development of NaCl concentration meta model Nicholas Tugwell, DSTGroup, VIC, Australia	General discussion  AGM for CPACA Technical group Closing session
Wednesday	3:30:00 PM	3:30:00 PM	Afternoon tea Venue: The Arena, Cairns Convention Centre		
			Concurrent Stream 9A DOOR 5 - Auditorium B&C Steel Session Chair: Robert Melchers	Concurrent Stream 9B DOOR 1 - Auditorium A Research in Progress Forum Session Chair: Md. Awais Javed	Concurrent Stream 9C DOOR 6 - Auditorium D Water Forum Session Chair: Geraldine Pedersen
Wednesday	3:30:00 PM	3:50:00 PM	A Long-Term Corrosion Investigation Of Masonry Wall Ties Embedded In Different Mortar Mixes Author and Presenter: Ngoc Bao Ngan (Maddie) Huynh Paper Number: ACA2024-21599	High-throughput electrochemical wells (HTEW) for corrosion testing Paul White, RMIT University, VIC, Australia	Application of Thick Film Polyurea and Polyurethane Coatings to Concrete, Steel, and Non-Ferrous Metals Using Plural-Component Equipment Scott Gaebler
Wednesday	3:50:00 PM	4:10:00 PM	Failure Of Steam Expansion Bellows Author and Presenter: Judy Turnbull Paper Number: ACA2024-21611	Challenges associated to the iso-specific insulation resistance test of liquid applied epoxy pipeline coatings Nithin Joseph Vattappara, Deakin University, VIC, Australia	Inspection of Water Corporation's Water Pipelines Geraldine Pedersen
Wednesday	4:10:00 PM	4:30:00 PM		Investigating the impact of oxygen conditions on microbially influenced corrosion of carbon steel Muhammad Awais Javed, Swinburne University, VIC, Australia	Partially corrugated 316 stainless steel for main-to-meter connections David Nicholas
Wednesday	4:30:00 PM	5:00:00 PM		The investigation of hydrogen embrittlement behaviours of x65 pipeline steel and its weldment Peng Zhang, Deakin University, VIC, Australia	Water Industry Durability Feedback – Open Session
Wednesday	4:30:00 PM	5:00:00 PM	Closing Ceremony DOOR 5 Room: Auditorium B&C		
Wednesday	5:30:00 PM	7:30:00 PM	Expo Closing Party Cairns Convention Centre - City Terrace		
Thursday 14th November					
Thursday	8:00:00 AM	10:00:00 AM	Applicator Day Exhibitor Bump in (from 8am) 10.00am to 4.00pm Venue: Cairns Wharf - Carpark adjacent to Wharf 5		

Thursday	10:00:00 AM	10:15:00 AM	Welcome Welcome to Applicator day. Discuss the day's events. Discuss awards. Introduce Sponsors and Exhibition holders. Tim Billing
Thursday	10:15:00 AM	10:45:00 AM	Major Sponsor Display - Blast One
Thursday	10:45:00 AM	11:15:00 AM	Supporting Sponsor Display - Airblast
Thursday	11:15:00 AM	11:30:00 AM	Trade Table Demo - MCU-Coatings
Thursday	11:30:00 AM	11:45:00 AM	Trade Table Demo - Akzonobel
Thursday	11:45:00 AM	12:00:00 PM	Trade Table Demo - Precision Laser Cleaning
Thursday	12:00:00 PM	12:15:00 PM	General Access All access to general ticket holders. General availability of ticket holders to visit trade tables and displays.
Thursday	12:15:00 PM	12:30:00 PM	
Thursday	12:30:00 PM	1:00:00 PM	Lunch
Thursday	1:00:00 PM	1:30:00 PM	Major Sponsor Display - Blast One
Thursday	1:30:00 PM	2:00:00 PM	Supporting Sponsor Display - Airblast
Thursday	2:00:00 PM	2:15:00 PM	General Access All access to general ticket holders. General availability of ticket holders to visit trade tables and displays.
Thursday	2:15:00 PM	2:30:00 PM	
Thursday	2:30:00 PM	3:30:00 PM	
Thursday	3:30:00 PM	4:30:00 PM	Close