

\*This program is subject to change\*

<b>Sunday 10th November 2024</b>			
<b>2.00pm to 5.00pm</b> Young Corrosion Group (YCG) Pool Party Venue: Crystalbrook Bailey - A/163 Abbott St, Cairns City QLD 4870			
<b>4.00pm to 6.00pm</b> Registration Desk Opens - Arena   Cairns Convention Centre			
<b>6.00pm to 9.00pm</b> Welcome Reception - Crystalbrook Bailey Rooftop			
<b>Monday 11th November 2024</b>			
<b>Monday</b>	8:15:00 am	9:00:00 am	<b>Opening Ceremony, Acknowledgement of Country, Starting of the Ed Potter Corrosion Clock</b>  <b>Plenary Room</b>  <b>Room: Auditorium C</b>
<b>Monday</b>	9:00:00 am	9:45:00 am	<b>Plenary Speaker - Sponsor Speaker PPG</b>  Evolution of Silicon foul release coatings.  <b>Author and Presenter: David Harvey</b>
<b>Monday</b>	9:45:00 am	10:30:00 am	<b>Plenary Speaker</b>  Maritime - Ship Building  <b>Author and Presenter: Joyce Wright</b>
<b>Monday</b>	10:30:00 am	11:00:00 am	<b>Morning Tea</b>
			Concurrent Stream 1A Auditorium B <b>Cathodic Protection</b> Session Chair:
			Concurrent Stream 1B Auditorium C <b>Coatings</b> Session Chair:
			Concurrent Stream 1C Auditorium D <b>Non Ferrous</b> Session Chair:
<b>Monday</b>	11:00:00 am	11:20:00 am	<b>A Comparison Of Marine CP Designs Based On The Adoption Of Various Australian And International Standards – How Does Each Design Compare?</b>  Author and Presenter: Jim Galanos Paper Number: ACA2024-21668
			<b>Protection Of Steel At Edges And Scratches By Zinc Coatings</b>  Author and Presenter: Robert Francis Paper Number: ACA2024-21571
			<b>Bi-Modal Corrosion Behaviour Of Magnesium Alloys -</b>  Author and Presenter: Robert Melchers Paper Number: - ACA2024-21587

<b>Monday</b>	11:20:00 am	11:40:00 am	<b>Examining The Performance Of Cathodic Protection Technologies In Reinforced Concrete Structures In Accordance With Australian Standards</b> Author and Presenter: Martin Cheytani Paper Number: ACA2024-21603	<b>Coating Specifications - Contrasting Colours For Better Topcoat Performance</b> Author and Presenter: Daniel Mckeown - Paper Number: ACA2024-21584	<b>Environmentally Assisted Cracking And Cavitation Performance Of Nickel Aluminium Bronze In Salt Water: Cast Vs. AM</b> Author and Presenter: Darren Cram Paper Number: ACA2024-21686
<b>Monday</b>	11:40:00 am	12:00:00 pm	<b>The Effects Of Shielding On Current Distribution In Impressed Current Cathodic Protection In Reinforced Concrete</b> Author and Presenter: Shamir Bhuiyan Paper Number: ACA2024-21652	<b>Limitations Of ISO/FDIS 21809-3 As Proxy For Epoxy Coating Electrical Resistance</b> Author and Presenter: Bob Varela Paper Number: ACA2024-21617	<b>Hot Water Pitting And Corrosion Loss Trends For Phosphorous Deoxidised (DHP) And Phosphorous Deoxidised Arsenical (DPA) Copper Alloys</b> Author and Presenter: Peter Richardson Paper Number: ACA2024-21577
<b>Monday</b>	12:00:00 pm	12:20:00 pm	<b>How Surface Applied Cathodic Protection Systems Can Be Used To Extend The Service Life Of Existing Reinforcement Concrete Structures</b> Author and Presenter: Andrew Dickinson Paper Number: ACA2024-21625	<b>Effects Of Varying The Time Between Surface Preparation And Coating Application, On The Performance Of Epoxy Marine Coating Systems.</b> Author and Presenter: Henry Morrow Paper Number: ACA2024-21645	<b>Corrosion Failure Mechanism Of 5083 Aluminum Alloy In Seawater: A Shipbuilding Case Study</b> Author and Presenter: Amir Farzaneh Paper Number: ACA2024-21635
<b>Monday</b>	12:20:00 pm	12:40:00 pm	<b>Enhancement Of Impressed Current Cathodic Protection (ICCP) Anode's Back-Fill By Implementing A Sustainable Cementitious Mortar With High Acid Resistance</b> Author and Presenter: Sayed Hamid Fatemi Nayeri Paper Number: ACA2024-21705	<b>Moisture Penetration Property Of Paint System Evaluated With Wetness Sensors</b> Author and Presenter: Teruhisa Tatsuoka Paper Number: ACA2024-21620	
<b>Monday</b>	12:40:00 pm	1:40:00 pm	<b>Lunch</b>		
			Concurrent Stream 2A Auditorium B <b>Cathodic Protection</b> Session Chair:	Concurrent Stream 2B Auditorium C <b>Concrete</b> Session Chair:	Concurrent Stream 2C Auditorium D <b>Oil and Gas Forum</b> Session Chair:
<b>Monday</b>	1:40:00 pm	2:00:00 pm	<b>Design And Implementation Of A New High Power DC Mitigation Rectifier System For Rail.</b> Author and Presenter: Richard Brodribb Paper Number: ACA2024-21524	<b>Deterioration Of Concrete Piles Underwater</b> Author and Presenter: Philip Karajayli Paper Number: ACA2024-21579	<b>Oil and Gas forum</b>
<b>Monday</b>	2:00:00 pm	2:20:00 pm	<b>Cathodic Protection Design - Correlation Of Actual Versus Theoretical Outcomes For CP Designs Based On AEM (Airborne Electromagnetic) Soil Data</b> Author and Presenter: Allan Sterling Paper Number: ACA2024-21581	<b>Carbon Nanotube Liquid Additive Technology Improving Concrete Durability, Design Life And Providing A Sustainable Alternative.</b> Author and Presenter: Tasha Eagle Paper Number: ACA2024-21666	
<b>Monday</b>	2:20:00 pm	2:40:00 pm	<b>Assessment Criteria For The Electrochemical Protection Of Steel</b> Author and Presenter: Gareth Glass Paper Number: ACA2024-21541	<b>A Twenty-Year History In ANZ Of HDPE CPL In Aggressive Environments</b> Author and Presenter: Andrew Sarkady Paper Number: ACA2024-21673	

<b>Monday</b>	2:40:00 pm	3:00:00 pm	<b>Challenges In Condition Assessment Of Aged Pipelines And Assets Enhanced By Life Extension Methods Including The Use Of Cathodic Protection System</b> Author and Presenter: Bob P Ping Phang Paper Number: ACA2024-21593	<b>Long-Term Durability Of Passive Realkalization Solution In Concrete Remediation: A 10-Year Field Study</b> Author and Presenter: Paul Mukhin Paper Number: ACA2024-21669	
<b>Monday</b>	3:00:00 pm	3:20:00 pm	<b>Deep Well Impressed Current Cathodic Protection System For Steel Piles Of A New Bridge Over A River</b> Author and Presenter: Saeed Ali Paper Number: ACA2024-21594	<b>Realkalisation Technology For Tasmanian Road Bridges</b> Author and Presenter: Jamie Horan Paper Number: ACA2024-21707	
<b>Monday</b>	3:20:00 pm	3:50:00 pm	<b>Afternoon tea</b>		
			Concurrent Stream 3A Auditorium B <b>Modelling and Additive</b> Session Chair:	Concurrent Stream 3B Auditorium C <b>Coatings</b> Session Chair:	Concurrent Stream 3C Auditorium D <b>Marine</b> Session Chair:
<b>Monday</b>	3:50:00 pm	4:10:00 pm	<b>Maintenance Oriented Corrosion Severity For Aircraft Predictive Maintenance Tool 'Corrovision'.</b> Author and Presenter: Darren Roles Paper Number: ACA2024-21544	<b>Testing Of Coatings On Elastomeric Substrates</b> Author and Presenter: Daniel Fosdike Paper Number: ACA2024-21676	<b>Crevice Corrosion Of Mild Steel After Two Years Of Exposure In Natural, Nutrient-Dosed, And UV-Treated Seawaters</b> Author and Presenter: Robert Petersen Paper Number: ACA2024-21564
<b>Monday</b>	4:10:00 pm	4:30:00 pm	<b>ILI Data Fusion - Deep Field Analysis And AI Approaches In The Inline Inspection Industry</b> Author and Presenter: Daniel Schneke Paper Number: ACA2024-21706	<b>Analysis Of Dust Levels Created By Centrifugal Abrasive Blasting</b> Author and Presenter: Darren McDonald Paper Number: ACA2024-21574	<b>Observations Of Multi-Step Pitting Corrosion Of Steels In De-Ionized Water And Seawater</b> Author and Presenter: Robert Melchers Paper Number: ACA2024-21588
<b>Monday</b>	4:30:00 pm	4:50:00 pm	<b>Drone Survey With Precision Reality Twin Models – The Future Of Field Asset Inspection</b> Author and Presenter: Razana Aqila Binti Abdul Razak Paper Number: ACA2024-21624	<b>Effect Of Surface Sand Coating On Adhesion Of Seawater Sea Sand Concrete To Carbon-Glass Hybrid Fibre-Reinforced Polymer Tubes</b> Author and Presenter: Leila Bazli Paper Number: ACA2024-21632	<b>Preserving History: A Case Study Of Fort Nepean's Conservation Challenges In A Coastal Environment</b> Author and Presenter: Fiona Collins Paper Number: ACA2024-21602
<b>Monday</b>	4:50:00 pm	5:10:00 pm	<b>Current Progress In Corrosion Of Multi Principal Element Alloys</b> Author and Presenter: Marzie Ghorbani Paper Number: ACA2024-21621	<b>Continuous Zinc And Zinc-Alloy Coatings In Structural Applications</b> Author and Presenter: David Harrison Paper Number: ACA2024-21641	<b>Sheet Pile Wall Protection Using a Petrolatum Tape System on Rottnest Island Main Jetty</b> Author and Presenter: David Edelman Paper Number: ACA2024-21523
<b>Monday</b>	5:10:00 pm	5:30:00 pm	<b>Improving Asset Reliability By Upgrading Base Metal Metallurgy Utilizing True High Velocity Thermal Spray</b>	<b>Changes To The Australian And New Zealand Standard For Hot Dip Galvanized Coatings On Fabricated Iron And Steel Articles – Specification And Test Methods</b>	<b>Numerical Modelling For Corroded Marine Structures Under Dynamic Loading Using Mesh-Free Particle Methods</b>

			Author and Presenter: Philip Williams Paper Number: ACA2024-21566	Author and Presenter: Ann Sheehan Paper Number: ACA2024-21643	Author and Presenter: Ahmed Nisham Paper Number: ACA2024-21661
<b>Monday</b>	5:30:00 pm	5:50:00 pm		<b>Combined Cycle Test With ISO 16539 Results Of Corrosion Protection Effect Of Hot-Dip Zinc-Aluminum Alloy Plating Used On Overhead Power Transmission Towers.</b>  Author and Presenter: Takehiro Kanai Paper Number: ACA2024-21680	<b>Cairns Main Wharves 1-5 Remediation</b>  Author and Presenter: Maxime PANAFIEU Paper Number: ACA2024-21585
<b>Tuesday 12th November 2024</b>					
<b>Tuesday</b>	7:00:00 am	9:00:00 am	<b>Women in corrosion breakfast</b>		
<b>Tuesday</b>	9:00:00 am	9:45:00 am	<b>Auditorium C</b> Plenary Speaker <b>Christine Crawshaw</b>		
<b>Tuesday</b>	9:45:00 am	10:30:00 am	<b>Auditorium C</b> PF Thompson Speaker <b>Nick Birbilis</b>		
<b>Tuesday</b>	10:30:00 am	11:00:00 am	<b>Morning Tea</b>		
			Concurrent Stream 4A Auditorium B <b>Sustainability</b> Session Chair:	Concurrent Stream 4B Auditorium C <b>Coatings</b> Session Chair:	Concurrent Stream 4C Auditorium D <b>Water</b> Session Chair:
<b>Tuesday</b>	11:00:00 am	11:20:00 am	<b>Durability Plans And Corrosion In Major Infrastructure Projects</b>  Author and Presenter: David McDonald Paper Number: ACA2024-21572	<b>Bridging the Gap in Coating Performance</b>  Author and Presenter: Matthew Brown Paper Number: ACA2024-21521	<b>Concrete Asset Inspections On Wastewater Infrastructure</b>  Author and Presenter: Justin Rigby Paper Number: ACA2024-21552
<b>Tuesday</b>	11:20:00 am	11:40:00 am	<b>Corrosion And Environmental Cracking Risks In Carbon Capture And Storage</b>  Author and Presenter: Gilles Dour Paper Number: ACA2024-21639	<b>Revolutionizing Thermal Insulation Coatings: Field Study By Georgia Pacific Heralds 49% Energy Savings And Stops CUI</b>  Author and Presenter: Shane Strudwick Paper Number: ACA2024-21634	<b>CASE STUDY - Waterproofing Black Hill Reservoir, New South Wales</b>  Author and Presenter: David Johnstone Paper Number: ACA2024-21654
<b>Tuesday</b>	11:40:00 am	12:00:00 pm	<b>Carbon Life Cycle Assessment Of Corrosion Protection Systems On Steel Bridges</b>  Author and Presenter: Raed El Sarraf Paper Number: ACA2024-21651	<b>Ultra Low Thermal Conductivity Polymer Materials For Thermal Insulation Applications</b>  Author and Presenter: Nicholas Sheng Loong Tan Paper Number: ACA2024-21589	<b>Investigating Fractures In Metal Seated Gate Valves: Understanding Failure Mechanisms And Mitigation Strategies</b>  Author and Presenter: Carol Ke Paper Number: ACA2024-21685
<b>Tuesday</b>	12:00:00 pm	12:20:00 pm	<b>Thermal Insulating Coatings: An Innovative And Safe Alternative To Traditional Insulation Systems</b>	<b>BHP Nickel West Kwinana - Exposure Trial – Amsul Plant</b>	<b>Understanding The Corrosion Mechanisms Of Concrete Columns In Potable Water Tanks</b>

			Author and Presenter: Cody Watson Paper Number: ACA2024-21715	Author and Presenter: David Slinger Paper Number: ACA2024-21713	Author and Presenter: Mir Ali Shams Paper Number: ACA2024-21637
<b>Tuesday</b>	12:20:00 pm	12:40:00 pm		<b>Highly Barrier Anticorrosion Polyurethane Material For Hydrogen Storage</b>  Author and Presenter: Mohammad Mizanur Rahman Paper Number: ACA2024-21607	<b>CASE STUDY - Extending The Service Design Life Of Sewage Assets Using Hybrid PU Linings In Central Queensland</b>  Author and Presenter: David Johnstone Paper Number: ACA2024-21674
<b>Tuesday</b>	12:40:00 pm	1:40:00 pm	<b>Lunch</b>		
			Concurrent Stream 5A Auditorium B <b>Coatings Forum</b> Session Chair:	Concurrent Stream 5B Auditorium C <b>Asset Management</b> Session Chair:	Concurrent Stream 5C Auditorium D <b>Steel</b> Session Chair:
<b>Tuesday</b>	1:40:00 pm	2:00:00 pm	Coatings forum	<b>Probing And Controlling Localised Corrosion In Complex Environments: A Review Of Key Challenges And Future Perspectives</b>  Author and Presenter: YongJun Tan Paper Number: ACA2024-21605	<b>Corrosion Case Studies Starting With Stainless Steels</b>  Author and Presenter: Graham Sussex Paper Number: ACA2024-21663
<b>Tuesday</b>	2:00:00 pm	2:20:00 pm		<b>Evolution Of Corrosion Considerations In The AS3700 Masonry Structures Standard: A Historical Analysis And Implications For Durability Enhancement</b>  Author and Presenter: Md Akhtar Hossain Paper Number: ACA2024-21561	<b>Corrosion Of Weathering Steel</b>  Author and Presenter: Narendra Tripathi Paper Number: ACA2024-21681
<b>Tuesday</b>	2:20:00 pm	2:40:00 pm		<b>Port Of Hastings Multifaceted Design Project</b>  Author and Presenter: Nathaniel Berends Paper Number: ACA2024-21586	<b>The '56 Chev - A Cautionary Tale</b>  Author and Presenter: Robert Jeffrey Paper Number: ACA2024-21642
<b>Tuesday</b>	2:40:00 pm	3:00:00 pm		<b>Predictive Maintenance by In-Field EIS using the CQM Method</b>  Author and Presenter: Guus Coolegm Paper Number: ACA2024-21690	<b>Effect Of Hydrogen On Oxidation Of Fe-20Cr-(1Si, 2Mn Or 2Al) Alloys In Water Vapour At 650C</b>  Author and Presenter: J. Zhang Paper number: ACA2024-21560
<b>Tuesday</b>	3:00:00 pm	3:20:00 pm			
<b>Tuesday</b>	2:00:00 pm	3:50:00 pm	<b>Afternoon tea</b>		
			Concurrent Stream 6A Auditorium B <b>Concrete &amp; Concrete Forum</b>	Concurrent Stream 6B Auditorium C <b>MIC</b>	Concurrent Stream 6C Auditorium D <b>Steel</b>

			Session Chair:	Session Chair:	Session Chair:
Tuesday	3:50:00 pm	4:10:00 pm	<b>Long Term Resistance Of Geopolymer Aggregate Concrete Against Chloride Attack.</b>  Author and Presenter: Charitha Seneviratne Paper Number: ACA2024-21688	<b>Orientation Of Coupons In Microbially Influenced Corrosion Testing, What Difference Does It Make?</b>  Author and Presenter: Scott Wade Paper Number: ACA2024-21662	<b>Weathering Steel Durability In Australasia</b>  Author and Presenter: William Mandeno Paper Number: ACA2024-21565
Tuesday	4:10:00 pm	4:30:00 pm	<b>Effect Of Carbon Nanotube Based Additives On Concrete Durability</b>  Author and Presenter: Farzaneh Farivar Paper Number: ACA2024-21670	<b>Case Study On Microbiologically Induced Corrosion In Industrial Water And Immersion Tests</b>  Author and Presenter: Toshiyuki Sunaba Paper Number: ACA2024-21612	<b>In-Situ Metal Wall Tie Corrosion Inspection Of Pre-1990 Brick Buildings</b>  Author and Presenter: Igor Chaves Paper Number: ACA2024-21583
Tuesday	4:30:00 pm	4:50:00 pm	Concrete forum	<b>Comparative Analysis Of Aerobic/Anaerobic Environments On Microbiologically Influenced Corrosion In Industrial Water</b>  Author and Presenter: Satoshi Wakai Paper Number: ACA2024-21614	<b>Impact Of Corrosion On The Characteristic Compression Strength Of Steel Wall Ties Within A Brick Veneer Wall System</b>  Author and Presenter: Lyndsey Terry Paper Number: ACA2024-21568
Tuesday	4:50:00 pm	5:10:00 pm		<b>Identification &amp; Control Of Persistent Sulphate Reducing Bacteria (SRB) &amp; Tuberculate Microbial Induced Corrosion (MIC) Consortium From A Mild Steel Closed-Loop Building Cooling System By A Novel Combination Strategy Relying On Anti-Corrosion &amp; Anti-Microbial Additives</b>  Author and Presenter: Steven Nearhos Paper Number: ACA2024-21573	<b>Detecting Corroded Wall Ties Through Non-Destructive Means</b>  Author and Presenter: Chee Yin Lam Paper Number: ACA2024-21554
Tuesday	5:10:00 pm	5:30:00 pm		<b>Corrosion And Microbiome Analysis Of Galvanic Connected Type 304 Stainless Steel With Dissimilar Microstructures Pair In Freshwater</b>  Author and Presenter: Yasuyuki Miyano Paper Number: ACA2024-21608	
Tuesday	5:30:00 pm	5:50:00 pm		<b>Scanning Ion Conductance Microscopy And Confocal Laser Scanning Microscopy Of Biofilm Formed On Glass In PBS</b>  Author and Presenter: Nobumitsu Hirai Paper Number: ACA2024-21618	
Tuesday	6:45:00 pm	12:00:00 am		<b>Awards Dinner</b> <b>Venue: Trinity Room - Trinity Level - Cairns Convention Centre</b>	
<b>Wednesday 13th November 2024</b>					
			Concurrent Stream 7A Auditorium B	Concurrent Stream 7B Auditorium C	Concurrent Stream 7C Auditorium D

			<b>Reserach in Progress Forum</b> Session Chair:	<b>NAV Sea &amp; Defence Forum</b> Session Chair:	<b>Applicator Forum</b>
<b>Wednesday</b>	8:30:00 am	9:30:00 am		<b>NAV SEA</b>	
<b>Wednesday</b>	9:30:00 am	9:50:00 am			
<b>Wednesday</b>	9:50:00 am	10:10:00 am	Research in Progress forum	Defence forum	Applicator forum
<b>Wednesday</b>	10:10:00 am	10:30:00 am			
<b>Wednesday</b>	10:30:00 am	11:00:00 am	<b>Morning Tea</b>		
<b>Wednesday</b>	11:00:00 am	11:45:00 am	<b>Plenary Speaker</b> Wayne Neil & Kathryn Dylejko - DSTG <b>Auditorium C</b>		
<b>Wednesday</b>	11:45:00 am	12:30:00 pm	<b>Plenary Speaker</b> Blane McGuinness - Marine and Civil Maintenance <b>Auditorium C</b>		
<b>Wednesday</b>	12:30:00 pm	1:20:00 pm	<b>Lunch</b>		
			Concurrent Stream 8A Auditorium B <b>Reserach in Progress Forum</b> Session Chair:	Concurrent Stream 8B Auditorium C <b>Coatings</b> Session Chair:	Concurrent Stream 8C Auditorium D <b>Cathodic Protection Forum</b>
<b>Wednesday</b>	1:20:00 pm	1:40:00 pm	Research in Progress forum	<b>Effectiveness Of Concrete Fluids To Prevent Further Corrosion Under Pipeline Disbonded Coatings</b>  Author and Presenter: SALMAN AL-SAEEDI Paper Number: ACA2024-21650	CP forum
<b>Wednesday</b>	1:40:00 pm	2:00:00 pm		<b>Third Generation Polysiloxane Coatings For Elevated Temperature Service</b>  Author and Presenter: James Reynolds Paper Number: ACA2024-21623	
<b>Wednesday</b>	2:00:00 pm	2:20:00 pm		<b>Superhydrophobic Coatings For Corrosion Control</b>  Author and Presenter: Liliana Madaleno Paper Number: ACA2024-21575	
<b>Wednesday</b>	2:20:00 pm	2:40:00 pm		<b>Do Coating Testing Procedures Simulate Real Operating Conditions? Visco Elastic Coating (VEC) Performance For External Protection Of Underground Pipelines As An Example.</b>  Author and Presenter: Hamad Ababutain Paper Number: ACA2024-21712	
<b>Wednesday</b>	2:40:00 pm	3:00:00 pm		<b>Case Study: Victoria Street Bridge, Cambridge, New Zealand</b>	

				Author and Presenter: David Slinger Paper Number: ACA2024-21714	
<b>Wednesday</b>	3:00:00 pm	3:30:00 pm	<b>Afternoon tea</b>		
			Concurrent Stream 9A Auditorium B <b>Reserach in Progress Forum</b> Session Chair:	Concurrent Stream 9B Auditorium C <b>Steel</b> Session Chair:	Concurrent Stream 9C Auditorium D <b>Water Forum</b>
<b>Wednesday</b>	3:30:00 pm	3:50:00 pm	Research in Progress forum	<b>A Long-Term Corrosion Investigation Of Masonry Wall Ties Embedded In Different Mortar Mixes</b>  Author and Presenter: Ngoc Bao Ngan (Maddie) Huynh Paper Number: ACA2024-21599	Water forum
<b>Wednesday</b>	3:50:00 pm	4:10:00 pm		<b>Failure Of Steam Expansion Bellows</b>  Author and Presenter: Judy Turnbull Paper Number: ACA2024-21611	
<b>Wednesday</b>	4:10:00 pm	4:30:00 pm		<b>Effect Of Electrochemical Charging And Heat Treatment On HIC Resistance Of Longitudinal Welded X65 HSLA Carbon Steel For Wet H2S Applications</b>  Author and Presenter: Ihsan Toor Paper Number: ACA2024-21665	
<b>Wednesday</b>	4:30:00 pm	5:00:00 pm	<b>Closing Ceremony</b> <b>Room: Auditorium C</b>		
<b>Thursday 14th November 2024</b>					
<b>APPLICATOR DAY</b>					