



## EAPAC 2025 Technica I Track List

Day 1            14 October 2025  
Venue            Garden Room 1

**Track 1            Digital Transformation and Predictive Integrity  
Management**

**Track Chairs    Khalil Abed  
Ashish Khera**

| Time<br>(hrs) | Slot<br>No | Paper ID | Title   |
|---------------|------------|----------|---|
| 1330 - 1400   | DT01       | AMPP012  | Online Integrity Operating Window Utilizing Digital Twins   |
| 1400 - 1430   | DT02       | AMPP031  | Optimizing Mechanical Integrity of Cooling Water Heat Exchanger Tube Bundles and Enhancing Asset Management through Simplistic Data Analytics |
| 1430 - 1500   | DT03       | AMPP034  | AI and Machine Learning Framework Development for Future AC Interference Induced Corrosion Monitoring and Prediction                          |
| 1500 - 1530   | Tea Break  |          |   |
| 1530 - 1600   | DT04       | AMPP011  | Real Time UT corrosion Monitoring system in Sulfur Recovery Unit  |
| 1600 - 1630   | DT05       | AMPP041  | Critical Analysis of Risk Based Inspection Methodology for Inspection Planning of Internally Lined Unfired Pressure Vessel (UPV)              |
| 1630 - 1700   | DT06       |          |   |
| 1700 - 1730   | DT07       |          |   |



## EAPAC 2025 Technica I Track List

Day 1                      14 October 2025  
Venue                     Garden Room 2

**Track 2                    The Silent Guardian: Cathodic Protection in  
Corrosion Prevention**

**Track Chairs            Craig Botha  
Hasan Sabri**

| Time<br>(hrs) | Slot<br>No | Paper ID | Title  |
|---------------|------------|----------|--|
| 1330 - 1400   | CP01       | AMPP006  | Case Study for Cathodic Protection Interference in Tank Farm What is Mitigation Measure and Monitoring Solution  |
| 1400 - 1430   | CP02       | AMPP013  | Influence of Overprotection on AC corrosion. Analysis of a real case.  |
| 1430 - 1500   | CP03       | AMPP065  | Influences of Isolating Joints on AC interference on a pipeline  |
| 1500 - 1530   | Tea Break  |          |  |
| 1530 - 1600   | CP04       | AMPP027  | Observation of Telluric Current Effect on Gas Transportation Pipeline in Northern Malaysia.  |
| 1600 - 1630   | CP05       | AMPP028  | On-Site Diagnostic Reference Electrode Coupon Assembly Installation Utilizing Extendable Probe Rod Tool  |
| 1630 - 1700   | CP06       | AMPP033  | Comparison Between Existing Deep-Well Anodes and Distributed Anode Design with Multiple Controllers for Cathodic Protection Upgrade in Petrochemical Plant |
| 1700 - 1730   | CP07       | AMPP070  | Beyond Potentials: Integrating CP and Integrity Inspections for Smarter Corrosion Control  |



## EAPAC 2025 Technica I Track List

Day 1                      14 October 2025  
Venue                      Garden Room 3

**Track 3                      From Cradle to Grave: Materials Selection,  
Performance and Failure analysis**

**Track Chairs              Dr. Basab Bhattacharya  
Hiroyuki Takai**

| Time (hrs)  | Slot No   | Paper ID | Title   |
|-------------|-----------|----------|---|
| 1330 - 1400 | MS01      | AMPP003  | Failure of Alloy 625 Tee In LPG Service   |
| 1400 - 1430 | MS02      | AMPP046  | Assessment of Plastic Deformation in Flanged Joint using FEA - A Case Study on Fixed Tube Exchanger                 |
| 1430 - 1500 | MS03      |          |   |
| 1500 - 1530 | Tea Break |          |   |
| 1530 - 1600 | MS04      | AMPP017  | Integrity Management Systems in Oil and Gas   |
| 1600 - 1630 | MS05      | AMPP030  | Preferential Weld Corrosion and Localized Erosion in Gas Compression Systems: A Case Study from Offshore Operations |
| 1630 - 1700 | MS06      |          |   |
| 1700 - 1730 | MS07      |          |   |



## EAPAC 2025 Technica I Track List

Day 2                      15 October 2025  
Venue                     Ballroom 2

**Track 4                      The Sustainable Edge: Carbon Reduction, Robotics,  
and Life Extension Strategies**

**Track Chairs              Dr Hiroshi Honda  
Yudha Pratesa**

| Time (hrs)  | Slot No     | Paper ID | Title  |
|-------------|-------------|----------|--|
| 1030 - 1100 | SE01        | AMPP020  | Sensor Enabled Inspection Transformation and Robotisation  |
| 1100 - 1130 | SE02        | AMPP026  | Robotic inspections of storage tanks, pressure vessels, boilers using PetroBot Robots & Digital Twins – Field Experiences  |
| 1130 - 1200 | SE03        | AMPP054  | Magnetic Tomographic Inspection Based Fitness for Service Assessment   |
| 1200 - 1230 | SE04        | AMPP029  | Wholistic Approach to High Temperature Hydrogen Attack (HTHA): Identification, Assessment, Advanced Techniques for Legacy Fabricated Materials and Managing Strategies |
| 1230 - 1330 | Lunch Break |          |  |
| 1330 - 1400 | SE05        | AMPP015  | Repurposing Existing Oil & Gas Pipelines for Dense Phase CO2 Application   |
| 1400 - 1430 | SE06        | AMPP045  | Modeling of long-term CO2 corrosion of martensitic stainless steels  |
| 1430 - 1500 | SE07        | AMPP053  | Utilization Of Talas Beneng (Xanthosoma Undipes K.Koch) Leaf Extract As Corrosion And Scale Inhibitor On St-37 Steel In Geothermal Fluid                               |
| 1500 - 1530 | Tea Break   |          |  |
| 1530 - 1600 | SE08        | AMPP055  | Optimisation of Topside Anode Retrofit for Fixed Offshore Structures   |
| 1600 - 1630 | SE09        | AMPP060  | Challenges with Online Pipe Support Crack Repair for High Pressure Steam Piping  |
| 1630 - 1700 | SE10        | AMPP043  | Challenges of Aerogel Insulation Implementation for Corrosion Under Insulation Mitigation on a New De-Ethanizer Column   |
| 1700 - 1730 | Adjourn     |          |  |



## EAPAC 2025 Technica I Track List

Day 2                      15 October 2025  
Venue                      Garden Room 1

**Track 5                      Energy Lifelines: Ensuring Integrity in Pipelines and Storage Systems**

**Track Chairs              Dr. Krista Heidersbach  
                                 Budi Susilowati Soedarsano**

| Time (hrs)  | Slot No   | Paper ID | Title  |
|-------------|---|----------|--|
| 1030 - 1100 | PL01  | AMPP025  | VpCI Engineered Solution - Extend Storage Tank Life with Out-of-the-Box Innovation   |
| 1100 - 1130 | PL02  | AMPP071  | Volatile Corrosion Inhibitor: Product Selection Testing & Product Performance Monitoring   |
| 1130 - 1200 | PL03  | AMPP058  | Application of Internal Corrosion Direct Assessment (ICDA) Methodologies to Thirty Oil & Gas Production and Transport Pipelines – A Case Study |
| 1200 - 1230 | PL04  | AMPP057  | Keys To A Successful On-Field Application of ICDA For 17 Critical Natural Gas Pipelines: A Case Study  |
| 1230 - 1330 | Lunch Break   |          |  |
| 1330 - 1500 | Track 6. Beyond the Salt Spray: Maritime Forum - Chaired by Huraizah Zainal Nor |          |  |
| 1500 - 1530 | Tea Break   |          |  |
| 1530 - 1600 | PL05  | AMPP019  | The Sustainable Features of Cathodic Protection Systems for Pipelines and Bridges as Case Studies in Tropical Maritime Condition               |
| 1600 - 1630 | PL06  | AMPP035  | Mitigating Erosion and Corrosion Challenges in an Underground Seawater Industrial Pipeline: A Case Study on Long-Term Integrity Strategies     |
| 1630 - 1700 | PL07  |          |  |
| 1700 - 1730 | Adjourn   |          |  |



## EAPAC 2025 Technica I Track List

Day 2                      15 October 2025  
Venue                     Garden Room 2

**Track 7                      Engineered Surfaces: Advances in Performance-Driven Coating Systems**  
**Track Chairs              Raymund Toledo**  
**Suryani**

| Time (hrs)  | Slot No     | Paper ID | Title   |
|-------------|-------------|----------|---|
| 1030 - 1100 | ES01        | AMPP067  | Corrosion Under Insulation (CUI): Mitigating Risk Through Innovative Coating Solutions  |
| 1100 - 1130 | ES02        | AMPP005  | Abrasive Selection for Painting Contractors - A Review of Relevant Industry Standards, Specifications and Certifications  |
| 1130 - 1200 | ES03        | AMPP007  | Heat Induction Stripping of Thick Film Protective Coatings  |
| 1200 - 1230 | ES04        | AMPP036  | Neutra-Enhanced Rust Converter Additive: A Scalable, Sustainable Breakthrough for Offshore Corrosion Protection   |
| 1230 - 1330 | Lunch Break |          |   |
| 1330 - 1400 | ES05        | AMPP061  | Enhanced Corrosion Protection with Minimal Surface Preparation Via Graphene-Based Rust Converter Coating  |
| 1400 - 1430 | ES06        | AMPP004  | Long Term Protection of Splash Zone - Marine Pilings with Protective Coatings   |
| 1430 - 1500 | ES07        | AMPP016  | Novel Optimised Passive Fire Protection – the Positive Contribution to Sustainability and Net Zero Targets for Oil and Gas Companies, Managing Risk without Compromising on Safety, Durability and Corrosion Resistance |
| 1500 - 1530 | Tea Break   |          |   |
| 1530 - 1600 | ES08        | AMPP021  | Extending The Life of Structural Assets: Why Paint When You Can Tape?   |
| 1600 - 1630 | ES09        | AMPP022  | Reducing Risk and Avoiding Failures in Corrosion Under Insulation : From Bench to Real World Learning   |
| 1630 - 1700 |             |          |   |
| 1700 - 1730 | Adjourn     |          |   |



## EAPAC 2025 Technica I Track List

Day 2                      15 October 2025  
Venue                      Garden Room 2

**Track 8                      From Risk to Resilience: Strategic Integrity  
Management for Critical Assets**

**Track Chairs              Muhammad Hawari B. Hasan  
Suchada Punprak**

| Time (hrs)  | Slot No     | Paper ID | Title  |
|-------------|-------------|----------|--|
| 1030 - 1100 | AM01        | AMPP024  | An assessment of Microbiological Monitoring Techniques for Microbiologically Influenced Corrosion (MIC) in a Large Onshore Oilfield.                                     |
| 1100 - 1130 | AM02        | AMPP009  | Advancing Bacterial Monitoring Strategies for Improved MIC Management in the Field   |
| 1130 - 1200 | AM03        | AMPP064  | Dealing with Unexpected "Synergy" from Bacteria & Sand in Condensate Pipeline  |
| 1200 - 1230 | AM04        |          |  |
| 1230 - 1330 | Lunch Break |          |  |
| 1330 - 1400 | AM05        | AMPP001  | Metallurgical Behavior Of Localized (Hotspot) High Tube Skin Temperature For Low Carbon Steel Tubes In Crude Distillation Furnace  |
| 1400 - 1430 | AM06        | AMPP068  | Electrochemical Chloride Extraction: Re-injecting Sustainability into the Asia-Pacific Market  |
| 1430 - 1500 | AM07        | AMPP042  | Impact and Mitigation of High Chlorides Levels in Diesel Hydrotreaters   |
| 1500 - 1530 | Tea Break   |          |  |
| 1530 - 1600 | AM08        | AMPP002  | Enhancing Gas Pipeline Integrity Through Innovative Corrosion Management Strategies  |
| 1600 - 1630 | AM09        | AMPP059  | "Proactive Corrosion Assessment and Mitigation Strategies for Enhanced Oil Recovery Operations: A Case Study from an Offshore Water Alternating Gas (WAG) Injection Well |
| 1630 - 1700 | AM10        |          |  |
| 1700 - 1730 | Adjourn     |          |  |



## EAPAC 2025 Technica I Track List

Day 2                      15 October 2025  
Venue                      Chill Area

**Track 9                      Tech Jam: Innovation Unplugged**  
**Track Chairs              Assoc Prof Ir. Dr. Najmiddin Yaakob**  
**Alia Rashiqah A Rahman**

| Time (hrs)  | Slot No     | Paper ID | Title  |
|-------------|-------------|----------|--|
| 1030 - 1100 | TJ01        | AMPP010  | Laser Precision vs. Traditional Power: A Technical Comparison of Surface Cleaning Technologies   |
| 1100 - 1130 | TJ02        | AMPP052  | Crack Predictive Based on Insitu Passive Magnetic Field Measurements on Insulated Pipe Support   |
| 1130 - 1200 | TJ03        |          |  |
| 1200 - 1230 | TJ04        |          |  |
| 1230 - 1330 | Lunch Break |          |  |
| 1330 - 1400 | TJ05        |          |  |
| 1400 - 1430 | TJ06        | AMPP023  | Enhancing Effectiveness in Pipeline Integrity Management with PCMP-PL©: A Comprehensive Approach |
| 1430 - 1500 | TJ07        | AMPP051  | Advanced Detection and Quantification of Corrosion Anomalies in Aboveground Storage Tanks        |
| 1500 - 1530 | Tea Break   |          |  |