



## 2024 Inspection And Mechanical Integrity Summit

Sunday, January 21, 2024 – Thursday, January 25, 2024, | Henry B. Gonzalez Convention Center | San Antonio, Texas

*Current as of Tuesday, January 16, 2024* | Subject to change | Final program will be available in Attendee Hub App.

Sunday, January 21 <sup>st</sup>	Time (Central)	Location
Registration	2:00 PM – 6:00 PM	Hall 4 West Registration

Monday, January 22 <sup>nd</sup>	Time (Central)	Location
Registration	7:00 AM – 5:00 PM	Hall 4 West Registration
Sponsor & Exhibitor Display – Setup	2:00 PM – 6:00 AM	Exhibit Hall 4
Women in Mechanical Integrity: Leveling the Bar	5:00 PM – 7:15 PM	HemisFair Ballroom C1
Energy for Veterans, Networking and Reception	4:30 PM – 6:30 PM	213AB

Tuesday, January 23 <sup>rd</sup>	Time (Central)	Location
Registration	7:00 AM – 6:00 PM	Hall 4 West Registration
Breakfast	7:00 AM – 8:00 AM	Hall 4 West Registration
Sponsor & Exhibitor Display	9:00 AM – 6:00 PM	Exhibit Hall 4
Keynote Session – Robert Bryce	8:00 AM – 10:10 AM	Lila Theatre
Morning Break	10: 00 AM – 10:15 AM	Exhibit Hall 4
Developing a Digital, Comprehensive, ESG-Focused MI Program for Midstream Facilities	10:25 AM – 11:00 AM	006A
Metallurgical Analysis of 10-Inch Natural Gas Pipeline Sample	10:25 AM – 11:00 AM	006B
Chevron Upstream Aboveground Storage Tanks Coating Management	10:25 AM – 11:00 AM	006C
Quality program and practice for Xmas tree and Valves refurbishment	10:25 AM – 11:00 AM	007A
Corrosion Under Insulation RBI - Quantitative or Qualitative?	10:25 AM – 11:00 AM	007B
Investigating HF Alky Depropanizer Corrosion	10:25 AM – 11:00 AM	007C
Capabilities And Limitations Around Statistical Applications In CML Optimization	10:25 AM – 11:00 AM	007D
Updated API 530 Annex A	10:25 AM – 11:00 AM	008A
<b>PANEL: Inspection and Mechanical Integrity of CO2 and Hydrogen Transportation Pipelines</b>	<b>10:25 AM – 11:45 AM</b>	<b>205</b>
<b>PANEL: Risk Based Inspection Strategies for Upstream, Offshore Production Facilities</b>	<b>10:25 AM – 11:45 AM</b>	<b>206A</b>



The Evolution of Remotely Piloted Systems for Non-Destructive Examination	10:25 AM – 11:00 AM	207AB
Chevron Upstream Mid-Continent Business Unit Asset Integrity Digital Solution	10:25 AM – 11:00 AM	212B
Case Study: Failure of a Boiler Section caused by a Localized Weld Repair	10:25 AM – 11:00 AM	210A
Credentials and Careers: Building a personal career path	10:25 AM – 11:00 AM	210B
Demonstrating the Impact of a Quantitative Approach to CML Prioritization on Risk and Asset Availability	10:25 AM – 11:00 AM	214A
*Minimize Using UT Shear Wave and Promote UT Phased Array	10:25 AM – 11:00 AM	214B
On-Stream Inspections– A Right step Toward Managing Corrosion Under Insulation Assessment Pitfalls	10:25 AM – 11:00 AM	214C
Explaining the Use of Statistics for Inspectors and Plants	10:25 AM – 11:00 AM	214D
Vibration Testing for Damaging Levels of Vortex Shedding on Thermowells	11:10 AM – 11:45 AM	006A
Pipeline Corrosion RCFA Utilizing Metallurgical And Process Analysis: Case Study and How To	11:10 AM – 11:45 AM	006B
What to Expect During a Fiberglass AST Inspection	11:10 AM – 11:45 AM	006C
MI Program Building - Science or an Art?	11:10 AM – 11:45 AM	007A
Effective Maintenance of an RBI Program	11:10 AM – 11:45 AM	007B
HF Alkylation Valve Casting Issues	11:10 AM – 11:45 AM	007C
New Innovation: Remote Real-Time Inspection Techniques	11:10 AM – 11:45 AM	007D
Fired heater integrity optimization	11:10 AM – 11:45 AM	008A
The Evolution of Advanced Sensors for UAS/Drone Applications	11:10 AM – 11:45 AM	207AB
Leveraging acquisition of thickness measurement using WAND system for sustaining flowline integrity	11:10 AM – 11:45 AM	212B
Case Study: Failure of the Plunger Barrel System from a Sucker Rod Pump Mechanism	11:10 AM – 11:45 AM	210A
People Powered, Technology Enabled: Managing the Human Side of Data	11:10 AM – 11:45 AM	210B
API-574 Structural Minimum Thickness Developments	11:10 AM – 11:45 AM	214A
Quality Management - What's New in Spec Q1, 10th Edition	11:10 AM – 11:45 AM	214B
Building quality into nondestructive evaluation through effective personnel qualification and certification	11:10 AM – 11:45 AM	214C
A Summary of Updates to Local PWHT Guidance in WRC Bulletin 452	11:10 AM – 11:45 AM	214D
<b>Lunch Buffet</b>	<b>11:45 AM – 1:30 PM</b>	<b>Exhibit Hall 4</b>
The Importance of RBI Reassessment for Midstream Assets	1:30 PM – 2:05 PM	006A
Extending Downstream Mechanical Integrity Concepts to Midstream Facilities: CCDs, IOWs, DMRs, and RBI	1:30 PM – 2:05 PM	006B



Ultrasonic Mode Imaging - Non-Intrusive Ntd&E Assessment Of Above Ground Storage Tanks	1:30 PM – 2:05 PM	006C
Enbridge - Stress Corrosion Cracking (SCC) Findings and Correlation to ASME B31.8S Susceptibility Conditions	1:30 PM – 2:05 PM	006D
Highlighting RBI Pitfalls within CUI assessment using modern RBI software and experimental data	1:30 PM – 2:05 PM	007B
Metallurgy Considerations for Renewable Diesel Conversion	1:30 PM – 2:05 PM	007C
Case Study – Repurpose Vessels – From Rail Car to Land Based	1:30 PM – 2:05 PM	007D
Hot-Bolting: An Emerging Technology	1:30 PM – 2:05 PM	008A
<b>Piping Inspection Program Challenges and Improvements</b>	<b>1:30 PM – 3:35 PM</b>	<b>206A</b>
UAV-enabled Ultrasonic Corrosion Monitoring of Hard to Access Locations	1:30 PM – 2:05 PM	207AB
Magnetic Eddy Current Inspection for Efficient Assessment of Offshore Platforms	1:30 PM – 2:05 PM	212B
Acid Injection PTFE Internal Lining in Raw Water System	1:30 PM – 2:05 PM	210A
Bridge the Gap Between IT and OT for Digitization in Asset Integrity Management	1:30 PM – 2:05 PM	210B
Pipe Support Inspection and Updates to API RP586	1:30 PM – 2:05 PM	214A
Detection and measurement of corrosion using the Axial QSR short-range guided wave scanning	1:30 PM – 2:05 PM	214C
New Insights Into Managing CUI Corrosion Using AI	1:30 PM – 2:05 PM	214D
Benefits of the CCD and IOW Work process to Midstream Transmission Facilities	2:15 PM – 2:50 PM	006A
Transforming Risk-Based Inspections: Enbridge's Journey to Digitize and Optimize Corrosion Risk Management	2:15 PM – 2:50 PM	006B
Sto Lat- May it Live One Hundred Years!	2:15 PM – 2:50 PM	006C
Guided Wave Enhanced Corrosion Monitoring for Carbon Capture & Storage	2:15 PM – 2:50 PM	006D
Procedure for probability of failure evaluation of industrial steam systems	2:15 PM – 2:50 PM	007B
Quantifying Corrosion in High Temperature Renewable Diesel Co-Processing Applications	2:15 PM – 2:50 PM	007C
Case Study of a Thorough Approach to Vibration Monitoring and Assessment of a Fluidized Coking Unit	2:15 PM – 2:50 PM	007D
Refractory stiffness consideration for piping flexibility analysis	2:15 PM – 2:50 PM	008A
<b>PANEL: Asset Operators Experience with Unmanned Aerial Systems for Inspection &amp; NDT</b>	<b>2:15 PM – 3:35 PM</b>	<b>205</b>
<b>PANEL: Corrosion Management for Challenging Subsea Pipelines</b>	<b>2:15 PM – 3:35 PM</b>	<b>206B</b>
Inspecting for Internal Corrosion in a Produced Water System	2:15 PM – 2:50 PM	212B
Revolutionizing MI: A Case Study on Optimizing Performance and Reducing Risk with 3D Visualization Technology	2:15 PM – 2:50 PM	210B



Quieting a Chatterbox: Modeling and Predicting Pressure-Relief Valve Chatter	2:15 PM – 2:50 PM	214A
An FFS Practitioner's Perspective on High-Density AUT Scanning Data	2:15 PM – 2:50 PM	214C
Creation of Corrosion Control Documents For Pipelines and Associated Infrastructure	2:15 PM – 2:50 PM	214D
Project Management of a FFS evaluation - An Owners Perspective	3:00 PM – 3:35 PM	006A
Impacts of Updated 49 CFR 192 Requirements for Pipeline Corrosion Control	3:00 PM – 3:35 PM	006B
Inspecting In-Service Storage Tank Annular Rings for Corrosion with Pulse Eddy Current	3:00 PM – 3:35 PM	006C
Lost and Found: Pipeline Geometry Reconstruction	3:00 PM – 3:35 PM	006D
The Success case of Sand Erosion Integrity Management Strategy	3:00 PM – 3:35 PM	007A
RBI Evergreening Framework and Processes	3:00 PM – 3:35 PM	007B
Damage Mechanisms in Ammonia Plants – Key Takeaways	3:00 PM – 3:35 PM	007C
Corrosion Monitoring Data Integrity	3:00 PM – 3:35 PM	007D
Managing Piping Vibration Risk At Increased Flowrates	3:00 PM – 3:35 PM	008A
Effective PRVs inspection and maintenance with aging platforms constraints	3:00 PM – 3:35 PM	212B
304 Stainless Steel Tanks Exposed to Marine Environment	3:00 PM – 3:35 PM	210A
Top 10 Things All Inspectors Should Know about Pressure Relief Systems	3:00 PM – 3:35 PM	214A
Tools for Corrosion Under Insulation Inspection and Monitoring	3:00 PM – 3:35 PM	214C
Dead Legs Can Cause Costly Leaks	3:00 PM – 3:35 PM	214D
<b>Afternoon Break</b>	<b>3:35 PM – 3:50 PM</b>	<b>Exhibit Hall 4</b>
Understanding Your Inputs for Improved Fracture Toughness Correlations and Crack Assessment Results	4:00 PM – 4:35PM	006A
Sharing recent tank corrosion analyses	4:00 PM – 4:35PM	006B
Corrosion Mapping in Above Ground Storage Tank Bottoms Using Guided Wave Beam Forming	4:00 PM – 4:35PM	006C
The RBI Easy Button: Value Creation from Risk-Based Inspections at Scale	4:00 PM – 4:35PM	007B
Unexpected HTHA Susceptibility and Path Forward	4:00 PM – 4:35PM	007C
Integrating Special Emphasis Programs into Run & Maintain Inspections	4:00 PM – 4:35PM	007D
A Practical Application Of API 510 Sec 6.5.2	4:00 PM – 4:35PM	008A
At Last, Routine Satellite Monitoring & Compliance for Pipelines & Infrastructure is Here!	4:00 PM – 4:35PM	210B
Determination of Piping Circuit Boundaries using Advanced Statistical Analysis	4:00 PM – 4:35PM	214A



Ensuring the Long-Term Sustainability of Your MI Program with a Data-Driven Approach	4:00 PM – 4:35PM	214B
Optimize Maintenance with Digital Detector Array Radiographic Testing (DDA RT)	4:00 PM – 4:35PM	214C
Hydrogen Embrittlement in Carbon Steel Pipes for Oil & Gas Operations?	4:00 PM – 4:35PM	214D
<b>Opening Reception</b>	<b>5:00 PM – 6:00 PM</b>	<b>Exhibit Hall 4</b>

<b>Wednesday, January 24<sup>th</sup></b>	<b>Time (Central)</b>	<b>Location</b>
<b>Registration</b>	<b>7:00 AM – 5:30 PM</b>	<b>Hall 4 West Registration</b>
<b>Breakfast</b>	<b>7:00 AM – 8:00 AM</b>	<b>Hall 4 West Registration</b>
<b>Sponsor &amp; Exhibitor Display</b>	<b>7:30 AM – 5:00 PM</b>	<b>Exhibit Hall 4</b>
Digital Revolution Of Engineering Standards – A Use Case In Complying With The Mega Rule	8:00 AM – 8:35 AM	006A
Regulatory Update on Tank Bottom-side Corrosion Protection Options Using VCI's	8:00 AM – 8:35 AM	006C
From Ship to Shore: ILI Inspection of Crude Loading transfer Pipelines	8:00 AM – 8:35 AM	006D
A Joint Offshore Operation Success Story - SRB Management and Pipeline Recovery	8:00 AM – 8:35 AM	007A
RBI with (almost) no data	8:00 AM – 8:35 AM	007B
Nucleation Corrosion – a dewpoint-like corrosion in liquid hydrocarbons	8:00 AM – 8:35 AM	007C
An Engineered Inspection Plan to Supplement Brittle Fracture and Fatigue Screening	8:00 AM – 8:35 AM	008A
<b>PANEL: Wet H2S Damage Mechanism</b>	<b>8:00 AM – 9:20 AM</b>	<b>205</b>
<b>PANEL: Additive Manufacturing: Fabrication for the Future is Now</b>	<b>8:00 AM – 10:05 AM</b>	<b>206B</b>
Tank and Pressure Vessel inspection using optimized On-Stream and Internal Inspections based on robotics	8:00 AM – 8:35 AM	207AB
Inspection of complex structures using mini-ROVs	8:00 AM – 8:35 AM	212B
Transforming Legacy Corrosion Management Program through Digital Platform with Data Analytics	8:00 AM – 8:35 AM	210A
Taking IOWs to the Next Level Using More Real-Time Models to Bring MI and Operations Together	8:00 AM – 8:35 AM	214A
Asset Regulations: Do You Have Commitment Issues?	8:00 AM – 8:35 AM	214B
Keep the Fire Where it Belongs: Inside the Firetube	8:00 AM – 8:35 AM	214D
Impacts of Updated 49 CFR 192 Requirements for Pipeline Repair Conditions	8:45 AM – 9:20 AM	006A
Applying Molecular Microbiological Methods (MMMs) for MIC risk assessment	8:45 AM – 9:20 AM	006B
Advancements of Risk-Based Engineering Assessment to Ammonia Storage Tanks	8:45 AM – 9:20 AM	006C



Midstream Pipeline NDE Journey	8:45 AM – 9:20 AM	006D
From Siloes to Insights: Unleashing the Potential of Data in Asset Management	8:45 AM – 9:20 AM	007A
RBI Implementation and Inspection Planning Through the Eyes of an Inspector	8:45 AM – 9:20 AM	007B
Failures that Changed the Industry- the Shell Norco FCC Explosion in 1988	8:45 AM – 9:20 AM	007C
Digitizing Workflows to Mitigate Impact on Turnaround Critical Path	8:45 AM – 9:20 AM	007D
End user's perspective on MPT assessment per new API 579 Annex 9F and its implementation	8:45 AM – 9:20 AM	008A
<b>PANEL: Utilizing Satellite-based intelligence for improved pipeline monitoring - the Operators' perspective</b>	<b>8:45 AM – 10:05 AM</b>	<b>206A</b>
Sphere Tanks Inspections Using Aerial Drones in Petrochemical Industry	8:45 AM – 9:20 AM	207AB
Subsea 3D Video Survey of Mooring Chains - Improving Safety, Effectiveness and Efficiency	8:45 AM – 9:20 AM	212B
Retrievable Clamp for Cathodic Protection Retrofit and Monitoring of Subsea Pipelines	8:45 AM – 9:20 AM	210A
From PSM Safeguard to PRD Reliability – Do we ever connect the two?	8:45 AM – 9:20 AM	214B
Corrosion TFM Study: Improving Inspection Accuracy with 3D Data Interpretation	8:45 AM – 9:20 AM	214C
It's Not (Just) the Heat: Other Damage Mechanisms in Fire Damage Assessments	8:45 AM – 9:20 AM	214D
PHMSA Mega Rule - Material Verification, MAOP Reconfirmation, ECA, And Gathering Lines	9:30 AM – 10:05 AM	006A
Biocide Chemistry Characteristics, Application Methods, and Selection Criteria for the Prevention of Microbiologically Influenced Corrosion	9:30 AM – 10:05 AM	006B
Customized Phased Array Ultrasonic Testing For Corrosion Monitoring Of Small-Diameter Piping	9:30 AM – 10:05 AM	006D
Measuring and Identifying Asset Integrity System Vulnerabilities with Diagnostics	9:30 AM – 10:05 AM	007A
RBI for CUI, Is This Thing Working?	9:30 AM – 10:05 AM	007B
Estimating Sulfidic Corrosion in Low Partial Pressure H <sub>2</sub> S / H <sub>2</sub> Environments	9:30 AM – 10:05 AM	007C
Chevron Experience with NDE Performance Demonstration Qualification Testing	9:30 AM – 10:05 AM	007D
Structural steel and concrete inspection programs for informed asset management decisions	9:30 AM – 10:05 AM	008A
Enhancing Safety and Environmental Sustainability in Robotic Inspection of Aboveground Storage Tanks	9:30 AM – 10:05 AM	207AB
Options for Caisson Inspection	9:30 AM – 10:05 AM	212B
Upstream Internal Corrosion Monitoring Systems - Enhanced Safety through Innovation	9:30 AM – 10:05 AM	210A
Practical External Inspection of Equipment Made from FRP	9:30 AM – 10:05 AM	214B
Data-Driven Solutions for Comprehensive Asset Performance Management of Fixed and Rotating Equipment	9:30 AM – 10:05 AM	214D



<b>Morning Break</b>	<b>10:05 AM – 10:15 AM</b>	<b>Exhibit Hall 4</b>
Internal Corrosion Monitoring - Planning to Meet Regulations and Understand Your System	10:25 AM – 11:00 AM	006B
Advanced NDE Pipeline Integrity Field Comparative Testing Results	10:25 AM – 11:00 AM	006D
Asset Contextualisation of Production Facilities	10:25 AM – 11:00 AM	007A
RBI on Piping – Point / Counterpoint	10:25 AM – 11:00 AM	007B
Is Your Pressure Vessel Ready for a Non-Intrusive Internal Inspection (NII)? Find Out!	10:25 AM – 11:00 AM	007D
Turnaround work scope optimization based on risk management	10:25 AM – 11:00 AM	008A
<b>PANEL: Risk Based Philosophies for Management of Aboveground Storage Tanks</b>	<b>10:25 AM – 11:45 AM</b>	<b>205</b>
<b>PANEL: Location Specific Damage Scenarios</b>	<b>10:25 AM – 11:45 AM</b>	<b>206A</b>
<b>PANEL: Impacts on Operators Due to Methane Emissions are Real and Rapidly Escalating</b>	<b>10:25 AM – 11:45 AM</b>	<b>206B</b>
Maximizing Data Quality for In-Service Tank Inspections: Calibration to Confirmation	10:25 AM – 11:00 AM	207AB
Offshore Fabric Maintenance Technology	10:25 AM – 11:00 AM	210A
Applying API Standards Outside the Oil & Gas / Petrochemical Industries	10:25 AM – 11:00 AM	210B
Risk Based Joint Integrity Assessments	10:25 AM – 11:00 AM	214A
Reducing HSE Risk and Increasing Production with the Next Level of RBI	10:25 AM – 11:00 AM	214B
Traditional and Novel Methods for Finding Pipe Corrosion Without Stripping Insulation	10:25 AM – 11:00 AM	214C
Corrosion Control in Flare Gas Recovery Units	10:25 AM – 11:00 AM	214D
Recent Corrosion and Inspection Challenges in Midstream	11:10 AM – 11:45 AM	006B
Self-Propelled In-Line Inspection Solution For Alyeska Unpiggable Relief Piping	11:10 AM – 11:45 AM	006D
Asset Integrity Inspection with AI for Topside Offshore Structures & Marine Terminals	11:10 AM – 11:45 AM	007A
Benefits of Standardization on Risk-Based Inspection (RBI) and Data Analysis	11:10 AM – 11:45 AM	007B
Reducing TAR Duration through NII	11:10 AM – 11:45 AM	007D
Too much to inspect in a turnaround? How to Convince your organization to get the work out of the event!	11:10 AM – 11:45 AM	008A
Data Driven Planning and Assessment for Robotic Inspection of Tank Floors	11:10 AM – 11:45 AM	207AB
Offshore Platform Inspectors – A Value Driven Approach	11:10 AM – 11:45 AM	212B
Extending the life of key assets using nanolaminated technologies	11:10 AM – 11:45 AM	210A
Leveraging Recent Advancements in FFS Technology to Optimize Equipment MAT/MPT Limits	11:10 AM – 11:45 AM	214A





Using Risk-Based Data Mining to Collect Higher Quality Data Faster	11:10 AM – 11:45 AM	214B
Flange Integrity Management with PAUT/FMC	11:10 AM – 11:45 AM	214C
Leveraging RBI and Corrosion Management Programs	11:10 AM – 11:45 AM	214D
<b>Lunch Buffet</b>	<b>11:45 AM – 1:30 PM</b>	<b>Exhibit Hall 4</b>
DeadLeg Piping with Internal Corrosion at a Salt Dome Natural Gas Storage Facility	1:30 PM – 2:05 PM	006B
My Tank Runneth Over, API Psalm 23:5	1:30 PM – 2:05 PM	006C
Wall Condition Assessment using MEMS Magnetometers	1:30 PM – 2:05 PM	006D
Using Automated Workflows to provide Valuable Asset Integrity Insights	1:30 PM – 2:05 PM	007A
Case Study in Comparing Risk-based Inspection Thresholds with Corporate Risk Acceptance Criteria	1:30 PM – 2:05 PM	007B
Improved Reliability, Unit Economics and Throughput Management Using a Novel High Temperature Corrosion Prediction Framework	1:30 PM – 2:05 PM	007C
Validation requirements for CUPS techniques	1:30 PM – 2:05 PM	007D
Case Study of FCC Overhead Line Crack	1:30 PM – 2:05 PM	008A
<b>PANEL: Robotic Inspection of Above Ground Storage Tanks</b>	<b>1:30 PM – 2:50 PM</b>	<b>205</b>
<b>PANEL: Digital Transformation and Artificial Intelligence and their Applications in Asset Integrity Part 1</b>	<b>1:30 PM – 2:05 PM</b>	<b>206A</b>
Incorporating Fabric Maintenance into an RBI Program	1:30 PM – 2:05 PM	212B
External Corrosion of Carbon Steel Air-Cooled Heat Exchangers (ACHEs) in Upstream Offshore Production Units	1:30 PM – 2:05 PM	210A
Principles of a Fixed Equipment MI Program - API Pub 592	1:30 PM – 2:05 PM	214A
Damage and Failure of Fiber Reinforced Polymer Materials	1:30 PM – 2:05 PM	214B
Source Inspection And The Coordination Of Inspection Activities	1:30 PM – 2:05 PM	214C
Bolted Flanged Joint Inspection Personnel Criteria	1:30 PM – 2:05 PM	214D
ICDA versus ILI: Are they equally good for integrity assessment?	2:15 PM – 2:50 PM	006A
Determining Minimum Required Thickness of ASTs	2:15 PM – 2:50 PM	006C
Technical solution to pipeline monitoring with free-floating tools	2:15 PM – 2:50 PM	006D
Increasing Asset Uptime and Reducing Risk through Reliability Analysis	2:15 PM – 2:50 PM	007A
RBI Implementation Challenges, a Case Study from an Established UK Refinery	2:15 PM – 2:50 PM	007B
In-Service Damage Mechanisms and the Non-Destructive Examinations that Aid in their Identification	2:15 PM – 2:50 PM	007C





Ultrasonic corrosion monitoring – Real world applications	2:15 PM – 2:50 PM	007D
Propylene Crack Clamp	2:15 PM – 2:50 PM	008A
<b>PANEL: Digital Transformation and Artificial Intelligence and their Applications in Asset Integrity Part 2</b>	<b>2:15 PM – 3:35 PM</b>	<b>206A</b>
<b>PANEL: Deadlegs Management – What current approaches are being used to manage internal corrosion risks in Midstream Deadlegs?</b>	<b>2:15 PM – 3:35 PM</b>	<b>206B</b>
QA/QC Start to Finish (Vendor Selection, Surveillance, and Turnaround QA/QC)	2:15 PM – 2:50 PM	212B
Considerations for Fitness-for-Service using Automated Ultrasonic Thickness (AUT) Data, with Case Study of Metal Loss in an Above-Ground Storage Tank	2:15 PM – 2:50 PM	214A
Management of Piping, Small Bore Connection and Tubing Vibration Risk on a Facility Wide Scale	2:15 PM – 2:50 PM	214B
Real time fluid monitoring of fluids and proactive solutions for asset integrity	2:15 PM – 2:50 PM	214C
Create Analytics from Anomaly Data for Predictive Maintenance in Asset Management (Case Study)	2:15 PM – 2:50 PM	214D
On the Validation of the Plausible Profiles Method for the Assessment of Corroded Pipelines	3:00 PM – 3:35 PM	006A
Tank Shell Tolerances	3:00 PM – 3:35 PM	006C
Unpiggable Pipeline Integrity Management - Metal Magnetic Memory (MMM) Case Study	3:00 PM – 3:35 PM	006D
Plant Winterization Challenges and Opportunities for Improvement	3:00 PM – 3:35 PM	007A
Driving Inspection and Corrosion Monitoring Through Deployment of Customized Risk Based Inspection for Offshore Top-Side Operating Facilities	3:00 PM – 3:35 PM	007B
The Makings of a Functional Corrosion Control Document (CCD)	3:00 PM – 3:35 PM	007C
Integrating Digital Inspection Reporting with IDMS to Improve MI Operations	3:00 PM – 3:35 PM	007D
Fitness for Service Evaluation of a Pressure Vessel Head with a Delamination	3:00 PM – 3:35 PM	008A
Pipeline Inspection Utilizing Pipe Crawlers and 3D Laser Scanners	3:00 PM – 3:35 PM	207AB
Commission, Inspection, and Validation of In-Service Composite Repairs	3:00 PM – 3:35 PM	212B
Digitalized Corrosion Control Documents for Enhanced Mechanical Integrity and Automated IOW Management	3:00 PM – 3:35 PM	214A
Audit is not a four letter word - getting the value out of Mechanical Integrity audits and assessments	3:00 PM – 3:35 PM	214B
Inspection Technology Deployment Case Studies	3:00 PM – 3:35 PM	214C
Standardization of Mechanical Integrity Process Through Technology Integration	3:00 PM – 3:35 PM	214D
<b>Afternoon Break</b>	<b>3:35 PM – 3:50 PM</b>	<b>Exhibit Hall 4</b>
Ndt Evaluation Guide For Ffs Assessments Api 579-1/Asme Ffs-1, Annex 2g	4:00 PM – 4:35 PM	006A
Internal Corrosion Concerns for Underground Natural Gas Storage Fields and Associated Facilities	4:00 PM – 4:35 PM	006B



Incorporating EEMUA 159 Concepts in an API 653 Inspection	4:00 PM – 4:35 PM	006C
A Review of CUI Inspection Approaches and Program Improvement Opportunities	4:00 PM – 4:35 PM	006D
Risk-Based Circumferential Crack Inspection Decisions	4:00 PM – 4:35 PM	007B
HTHA Time Dependent Nelson Curves and Assessment options for Fixed Equipment and Piping	4:00 PM – 4:35 PM	007C
Bridging the Gap between Mechanical Integrity (MI) and Risk-Based Inspection (RBI)	4:00 PM – 4:35 PM	007D
Fitness For Service Assessments for External Pressure Excursions	4:00 PM – 4:35 PM	008A
Novel Non-Contact Drone-based Tool for Pipeline Movement Assessment	4:00 PM – 4:35 PM	207AB
How to Make Your Reliability Technology Work for You	4:00 PM – 4:35 PM	214A
Case study: Integrity assessment and solution of piping subject to vibration from flow induced turbulence	4:00 PM – 4:35 PM	214B
Advanced technologies for adaptive coupling and high-resolution ultrasonic imaging in automated inspections	4:00 PM – 4:35 PM	214C
Future of visual inspections- Problems worth solving	4:00 PM – 4:35 PM	214D
Networking Reception	5:00 PM – 6:30PM	HemisFair Ballroom

<b>Thursday, January 25<sup>th</sup></b>	<b>Time (Central)</b>	<b>Location</b>
<b>Registration</b>	7:00 AM – 2:00 PM	Hall 4 West Registration
<b>Breakfast</b>	7:00 AM – 8:00 AM	Hall 4 West Registration
<b>Sponsor &amp; Exhibitor Display</b>	7:30 AM – 1:00 PM	Exhibit Hall 4
Facilitating Use Of Leak Detection Sensors Using Web-Based Remote Monitoring	8:00 AM – 8:35 AM	006A
Mechanical Assessment of a Fuel Storage Tank Under 36 Hrs. Of Fire	8:00 AM – 8:35 AM	006C
How important is the quality of an NDT technician in a world of automation?	8:00 AM – 8:35 AM	006D
Reducing risk using real-time monitoring of Integrity Operating Windows in an integrated RBI program	8:00 AM – 8:35 AM	007B
<b>PANEL: Upstream Robotic Applications</b>	<b>8:00 AM – 10:05 AM</b>	<b>205</b>
<b>PANEL: Coke drums - inspection, assessment, and life extension</b>	<b>8:00 AM – 10:05 AM</b>	<b>206B</b>
Implementing a successful robotic toolbox in Oil & Gas inspection and maintenance – A developer and operators' perspective	8:00 AM – 8:35 AM	207AB
Guide to Digital Transformation	8:00 AM – 8:35 AM	210B
Do's and Don'ts of Greenfield Pressure Systems Integrity Program Development	8:00 AM – 8:35 AM	214A
A Risk-Based Approach for Evaluating Piping Support Structures	8:00 AM – 8:35 AM	214B



Inspection of surface cracks in stainless steel using TFM and PCI	8:00 AM – 8:35 AM	214C
Inspection of surface cracks in stainless steel using TFM and PCI	8:00 AM – 8:35 AM	214D
Operationalizing Facility Integrity Reliability Framework	8:45 AM – 9:20 AM	006A
The Role of Cathodic Protection and Soil Environment in Hydrogen Embrittlement of Susceptible Pipelines	8:45 AM – 9:20 AM	006B
Comprehensive In-Service API 653 Inspections for Refined Product Storage	8:45 AM – 9:20 AM	006C
AI Automated Analysis Platform for Commonly Used NDT Methods	8:45 AM – 9:20 AM	006D
Strengthening In-House Asset Integrity Findings Risk Prioritization to Enhance Maintenance Execution Strategy	8:45 AM – 9:20 AM	007A
Implementation of recommended practice for RBI of industrial steam systems	8:45 AM – 9:20 AM	007B
Brazed Aluminum Heat Exchangers (BAHX) Operation & Maintenance for Asset Integrity	8:45 AM – 9:20 AM	007C
IOW Implementation Journey	8:45 AM – 9:20 AM	008A
The Impact of Automated Inspection Tools for API 581 Requirements	8:45 AM – 9:20 AM	207AB
Acquiring, Managing, Operating, and Sustaining an Inspection Data Management System	8:45 AM – 9:20 AM	214B
Confidence in UT inspections	8:45 AM – 9:20 AM	214C
Inspection VS. Monitoring ... Different Strategies, Tools, & Approaches to Working Smart Instead of Hard	8:45 AM – 9:20 AM	214D
Unexpected Consequences - Could MOC Have Caught It?	9:30 AM – 10:05 AM	006A
In-situ protection of new assets and pipeline repurposing of existing steel pipelines for extended life cycles using non-metallic coatings	9:30 AM – 10:05 AM	006B
Geodesic Dome Inspection and Repair	9:30 AM – 10:05 AM	006C
API-570 Inspections In Lieu of Pressure Testing on U.S. Coast Guard Regulated Dock Lines	9:30 AM – 10:05 AM	006D
Combating the Complexity of PRD RBI	9:30 AM – 10:05 AM	007B
Impact of Cold Deformation of U-bend and Integral Finned Duplex Stainless Steel UNS-S32205, UNS-S32750 and UNS-N0 N08935 to Chloride and Sulfide Stress Corrosion Cracking	9:30 AM – 10:05 AM	007C
Understanding the Mechanical Integrity Spectrum	9:30 AM – 10:05 AM	008A
Robotic Inspection and the movement forward	9:30 AM – 10:05 AM	207AB
Turnaround Problem Solving Teams	9:30 AM – 10:05 AM	210B
What's Happening in ASME Section VIII Division 1?	9:30 AM – 10:05 AM	214A
Evaluation of Serrated Core metallic gasket for Plug type Air Cooler	9:30 AM – 10:05 AM	214B



Ultrasonic Mode Imaging – A 21st Century Approach To Buried Piping Inspection	9:30 AM – 10:05 AM	214C
Evolution of a Workflow: A Case Study	9:30 AM – 10:05 AM	214D
<b>Morning Break</b>	<b>10:05 AM – 10:15 AM</b>	<b>Exhibit Hall 4</b>
So Many Facilities, So Little Time	10:25 AM – 11:00 AM	006A
Management of Internal Stray Current Corrosion in Pipeline Systems	10:25 AM – 11:00 AM	006B
Selective Seam Weld Corrosion Inspection on Vintage Pipeline	10:25 AM – 11:00 AM	006D
The Benefits of Commitment, Teamwork & Communication in Implementing RBI in a UK Refinery	10:25 AM – 11:00 AM	007B
Application of Damage Mechanism Assessments to Specialty Chemical operations	10:25 AM – 11:00 AM	007C
From User to Service Provider: How Set Ways of Working Get Challenged	10:25 AM – 11:00 AM	007D
Case Study: Improving Quality control with a data science approach	10:25 AM – 11:00 AM	008A
Powerful new way of integrating non-destructive testing (NDT) - From the ground to the sky	10:25 AM – 11:00 AM	207AB
HTHA Assessments of Process Equipment and Inspection Findings	10:25 AM – 11:00 AM	210B
Integrity Management of Non-Metallic Systems	10:25 AM – 11:00 AM	214A
Leveraging Appropriate Analysis and Testing to Extend the Life of Your Structures	10:25 AM – 11:00 AM	214B
Hydrotesting in the modern world – What are we looking for?	10:25 AM – 11:00 AM	214C
Leveraging Corrosion Data Analysis and Visualization for Inspection Management	10:25 AM – 11:00 AM	214D
A good problem to have: How to leverage large volumes of integrity data	11:10 AM – 11:45 AM	006A
Pipeline AC Interference Analysis & Mitigation Design	11:10 AM – 11:45 AM	006B
Temperature Rerate of an Existing Tank with an EI Segundo Floor Case Study	11:10 AM – 11:45 AM	006C
Benefits of a Comprehensive API Inspection	11:10 AM – 11:45 AM	006D
Initial RBI for New Facilities	11:10 AM – 11:45 AM	007B
Acidic Sour Water Corrosion in a Naphtha Hydrotreating Unit – A Case Study	11:10 AM – 11:45 AM	007C
Mechanical decoking with ultrasonic-based cleanliness verification of heater coils. The bridge between inspection and process teams	11:10 AM – 11:45 AM	007D
Bidirectional Impacts of Business Intelligence Analysis & IDMS/AIMS Best Practices	11:10 AM – 11:45 AM	008A
Building an Effective Remote Visual Inspection Program	11:10 AM – 11:45 AM	207AB
Advancing RBI using big data, data analytics, and customized reliability methods	11:10 AM – 11:45 AM	210B



'Insulation Does Not Cause Corrosion Now you can get the "Rest of the Story	11:10 AM – 11:45 AM	214A
Informed Design of Composite Repairs	11:10 AM – 11:45 AM	214B
Fixed Equipment Vibration Measurement	11:10 AM – 11:45 AM	214C
Leveraging 3D Scanning for Cost-Effective Corrosion Inspection	11:10 AM – 11:45 AM	214D
<b>Lunch Buffet</b>	<b>11:45 AM – 1:30 PM</b>	<b>Exhibit Hall 4</b>
Needle Valves and Fittings: A Threat For Integrity	1:30 PM – 2:05 PM	006A
External Corrosion of Interconnecting Gas Pipeline	1:30 PM – 2:05 PM	006B
In Service Crude Oil Tank Floor Chemical injection, Sludge Removal / Cleaning and Inspection	1:30 PM – 2:05 PM	006C
Routine Remote Drone Inspection of Tanks: Current and Future applications	1:30 PM – 2:05 PM	006D
Data-Driven Decision Making during an Enterprise RBI Implementation	1:30 PM – 2:05 PM	007B
Innovating Inspection: Robotics Reshaping Oil & Gas Integrity	1:30 PM – 2:05 PM	207AB
NextGen Credentialing: Bridging the Technology Gap	1:30 PM – 2:05 PM	210B
Inspection Coverage – Statistics and Economics	1:30 PM – 2:05 PM	214A
Trust but Verify: Asset Integrity Management of Facility Assets as a Midstream Owner/Operator	1:30 PM – 2:05 PM	214B
Development and Validation Testing of High-Temperature Phased-Array UT Transducers and Wedges for Process Industry Applications	1:30 PM – 2:05 PM	214C
Using Data-Driven Fixed Equipment Health Models to Optimize Turnaround Planning and Spend	1:30 PM – 2:05 PM	214D
Closing Panel	2:15 PM – 3:45 PM	205