2015 Inspection Summit Program

Tuesday, January 27, 2015

Industry-Wide		*May appeal to more tha	in one inc	lustry sector				
TRACK	8:30 AM	10:00 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM
Inspection / NDE - 1	Keynote /	Address:		NDE of Composite Wrap Repairs Pipin and Pipelines (#54) Is RBI for You? (#8)	g Benefits of ILI Verification (#46) Do Not Underestimate RBI's		Integrating ILI and Pipeline Data to Evaluate Asset Preservation Strategies (#53) Mitigation Of Integrity Challenges In	Supplementing Pipeline System Records Using ILI Survey Data (#70) Key Performance Indicator's for Risk
RBI	Mike M	ullane	Break		Contribution to Process Safety (#97)	Lunch	Ageing Refineries By Risk Based Approach (#34)	Based Inspection Effectiveness (#89)
Industry Panel	Countdown te Normalization	o Safety and o of Deviance		API Codes and Standards - What's Nev	v and Changing		Long Seam Pipeline Inspection	
Industry Panel								High-Temperature Sulfidation - How Several Owner/Operators are Responding to Recent Failures

Down-stream

TRACK	8:30 AM	10:00 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM	3:00 PM	3:30 PM	4:15 PM
Inspection / NDE		Keynote Address		Recent PMI Innovations and Your API RP-939C Compliance (#12)	High Temperature Sulfidation Inspection (#51)		PMI - An Expensive Lesson (#187)	Using Proper PMI Practices From Codes and Standards to Help Reduce Risk (#304)		Pre-Turnaround Inspections Can Lead to Reduced T/A Work Scope and Improved Equipment Integrity (#108)	A Guide for Successfully Staffing and Executing a Turnaround (#23)
Corrosion / Metallurgy	Keynote			Tramp Amines: Sources, Detection, Mitigation, Monitoring (#151)	Fabulous Facts about Protecting Your Passivation Layer (#152)	Lunch	The Corrosion Challenges with Processing Sour Canadian Heavy Crudes (#254)	A Damage Mechanisms Review Methodology for Refinery Process Units (#85)	Break	Corrosion Monitoring Equipment (#94)	Two Case Studies of Failues from Liquid Metal Embrittlement and Corrosion Under Deposits (#96)
AIM/Engineering				Engineering Technology for Better Data Analysis Using Robotics and Wireless Data Access (#300)	Process Safety and the Impact to Your Mechanical Integrity Program (#21)		Lessons Learned from Failures and Incidents Involving Pressure Vessels and Piping and the Loss of Containment (#250)	Case Study: Assessment and Remediation of a Local Thin Area (#164)		Vertical Can Pump Case Failure - Are You at Risk? (#287)	Considerations for Heavy-Wall Hydrogen Service Pressure Vessel Repair (#75)

Mid-Stream

TRACK	8:30 AM	10:00 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM	3:00 PM	3:30 PM	4:15 PM
Corrosion / Metallurgy		Keynote Address	Break	Case Study of AC Induced Corrosion of a 24" Natural Gas Line (#65)	Corrosion Protection of Oil Storage Tanks Soil Side Bottoms and Roofs (#71)	Lunch	Corrosion Resistant Alloy (CRA) Clad Pressure Vessel: A Case Study in Inspection (#174)	Failure Analysis on Cracked Outlet Nozzle Welds on a Vertical Finned Tube Economizer (#226)	Break	The Dilemma of Field Applied Pipeline Coatings: Proven Solutions (#167)	Reboiler Exchanger Heater Fire Tube Failures - A Case Study and Lessons Learned (#118)
AIM/Engineering				Asset Integrity Management of a Seawater Strainer for a Fresh Water vs. Seawater Plate Heat Exchanger (#180)	Fitness for Service Approaches - ASME and API Approaches Compared (#38)		How Natural Forces Impact Your Integrity Management Philosophy and Planning (#22)	Selection of Risk Mitigation Tool for Confirmation of Containment (#55)		Improving Your Compliance with OSHA PSM Standards (#48/#224)	Use of Geospatial Mapping and Prodcution Data to Evaluate Integrity Risk to Pipeline Gathering Systems (#202)

Up-Stream											
TRACK	8:30 AM	10:00 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM	3:00 PM	3:30 PM	4:15 PM
AIM/Engineering	Keynot	e Address	Break	Finite Element Analysis and Crack-Like Flaw Evaluation of High Strength Steel Vessel in Wet H2S Service (#107)	Utilizing Measured Vibrations in Fatigue Assessments for Upstream Equipment (#25)	Lunch	Bridging the Asset Integrity Gap for Upstream Assets (#256)	Pipeline Integrity Assessments - The Process and Strategy (#19)	Break	A Novel Methodology to Prioritize the NDT of Dead-Legs in Deepwater Systems Using CFD and Corrosion Models (#125)	Spaced Interval Direct Contact Pipeline Survey (#126)

:00 PM	3:30 PM	4:15 PM
	In-Line Inspection Technique Suitable for Lined or Internally Coated Pipelines (#63)	Robotic Inspection of "Inaccessible" Piping at Pump Station (#92)
Break		
	Risk-Based Inspection - Where To From	I Here?
	High-Temperature Sulfidation - How Sev to Recent Failures (cont.)	veral Owner/Operators are Responding

2015 Inspection Summit Program

Wednesday, January 28, 2015

Industry-Wide		*May appeal to more tha	appeal to more than one industry sector								
TRACK	8:00 AM	9:15 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM	3:00 PM	3:30 PM	4:15 PM
Inspection / NDE - 1		Aboveground Storage Tank and Facility Pipeline Integrity Testing Using Tracer Gas Leak Detection (#249)	9	Large Scale Guided Wave Testing of Aboveground Tanks for API 653 Engineering Reports (#56)	An In-Depth Analysis of Tank Inspection and Maintenance Data To Determine the Best Inspection Interval (#105)		Corrosion Imaging Through Insulation (#176)	Understanding Acoustic Emissions and Signature Recognition (#36)		Source Surveillance - Do We Miss This Portion of Process Safety Management? (#33)	Supplier Technical Assessment – The Evolution of Vendor Surveillance (#132)
Inspection / NDE - 2	Keynote Address	Corrosion problems and Related Challenges in the Inspection of Aboveground Storage Tanks (#104)		Calibrating an Ultrasonic Thickness Meter - Some Simple Truths and Things to Avoid (#32)	Sharpening Our Capabilities for Pipeline Leak Detection and Preventior (#244)	1	Inspection Techniques for In-Plant Buried Process Piping (#106)	Low Frequency Electromagnetic Technique for Continuous Inspection of Plant Piping (#82)		Rapid Inspection of Tank and Vessels Using EMAT Angle Beam, for Detection of Corrosion, Hydrogen Damage and Cracking (#61)	Supplementing Intrusive Inspections with Non-Intrusive Inspection Technologies for Pressure Vessels (#183)
RBI	John Felmy Energizing the World - Where Are We Going and How Do We Get There	Improving Piping Inspection with RBI and IOW's (#87)	Break	How Can an IOW Program Increase Risk-Based Inspection Effectiveness? (#186)	Storage Tanks: A Guide for RBI, FFS, IOWs, and Incident Investigations (#200)	Lunch	Challenges Associated with RBI Assessments of HF Alkylation Facilities (#17)	Risk Based Inspection Ten Years Later: Case History of Alkylation Plant (#134)	Break		
Industry Panel		High-Temperature Hydrogen Attack - The Latest on HTHA of Carbbon Steel Below the Nelson Curve		High-Temperature Hydrogen Attack - T Below the Nelson Curve	The Latest on HTHA of Carbbon Steel		Integrity Operating Windows (IOW's) -	Implementation of the New API 584		UnPiggable Line Inspections	
Industry Panel										Risk-Based Inspection - Experience in	Implementation

Down-Stream

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TRACK	8:00 AM	9:15 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM	3:00 PM	3:30 PM	4:15 PM
Inspection / NDE		Eddy Current Array Probes for Crack Detection and Sizing in Carbon Steel Welds (#50)		Pipe Support Inspections - Review of Select Codes, Standards and Recommended Practices (#73)	Inspection with Remote Aerial Vehicles, Safety, Operations, and the Positive Impact on the Asset Integrity Field (#44)		A New Tool for Determining the Corrosion Depth on a Curved Section (#194)	Do Sweat the Small Stuff & Big Things Won't Happen - Preventing Small Bore Piping Failures (#253)		Finding Isolated Corrosion due to High Residual Elements in HF Alky Units (#69)	Elevated Success with Industrial Rope Access (#203)
Corrosion / Metallurgy	Keynote Address John Felmy: Where Are We Going and How Do We Get There	Integrity Assessment of Duplex Stainless Steel Fittings in an Operating Gas Plant (#191)	Break	Materials Selection Options in Oil Refinery Equipment with a Focus on Cost (#227)	Strategic Planning for Inspection of Fired Heaters in a Turnaround (#206)	Lunch	Fired Heater Tube Reliability: Deciding to Inspect or Replace (#128)	Key Elements in an Excellent Injection & Mix Point Integrity Program (#239)	Break	The Many Parts of Injection Points (#232)	Injection Quills – Guidelines to Getting the Best Equipment for the Job (#95)
AIM/Engineering		3D Laser Scanning to Solve Real World Integrity Problems (#121)		As-Built 3D Modelling for Plant Piping Inspection Program (#158)	Mechanical Evaluation of Liquid Full Relief Case (#168)		Managing Mechanical Integrity of Cyclones and Cyclone Systems in FCC Units (#222)	Extending Boiler Life: A Case Study in Inspection and Life Assessment Strategy (#173)		Defining Integrity Operating Windows in Fired Furnace Tubes (#221)	IOW – How It Can Help in Failure Prevention - A Crude Upgrader Study Case in Latin America (#60)

Mid-Stream

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AIM/Engineering/Inspection	Keynote Address	Practical Solutions for Challenging Pipeline Inspections (#261)	Break	NDE for Detection and Evaluation of In- Service Pipeline Damage (#77)	Optimizing Terminal Piping Inspection (#171)	Lunch	Large Standoff Magnetrometry for Buried Piping and Pipelines - An Industry Study (#157)	Remote Measurement of Stress in Carbon Steel Pipelines (#67)	Break	Equipment Deficiency Reports Toward Manufacturing Process Improvement (#59)	How to Deal with Deficiencies in Operating Assets - A Tank Case Study (#40)

Up-Stream

TRACK	8:00 AM	9:15 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM	3:00 PM	3:30 PM	4:15 PM	
Inspection / NDE	Keynote Address	Integrity Management and Inspection of Subsea Blowout Preventers (#300)	Break	Inspecting High Consequence Areas of Unpiggable Pipelines (#62)	Nondesructive Evaluation of Non- Piggable Pipelines in Deepwater - Recent Developments (#42)	Lunch	SubSea Computed Temography Technology for Pipeline Integrity and Flow Assurance Visualization (#116)	Proven Applications for Subsea Vibration Monitoring and Inspection (#13)	Break	A Methodology to Develop Coating and Insulation Maintenance Plans for Offshore Structures (#141)	Guidelines for Routine Visual Inspection by Operations Personnel (#29)	

2015 Inspection Summit Program

Thursday, January 29, 2015

Industry-Wide *May appeal to more				dustry sector							
TRACK	8:30 AM	9:15 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM	3:00 PM	3:30 PM	4:15 PM
Inspection / NDE - 1	Continuous Monitoring of Critical Welds (#184)	Development of a Next-Generation System for Ultrasonic Wall Thickness Monitoring Using Digital Communications Bus Protocol (#192)		Real-Time Active Pipeline Integrity Detection (RAPID) System for Corrosion Detection, Localization and Quantification (#204)	Corrosion Monitoring Using Ultrasonic Guided Wave Methods (#303)		Continuous Monitoring of Corrosion Using Single Element Dry-Coupled Ultrasonic Sensors (#172)	Use of Integrity Monitoring Systems in Refineries and Upstream Sand Erosion Environments (#225/207)	1	Non-Intrusive Subsea Corrosion and Erosion Monitoring (#103/#137)	Online Realtime Corrosion Monitoring of Subsea Pipelines with Permanently Installed Ultrasonic Sensor Arrays (#146)
Inspection / NDE - 2	The Future of NDE Personnel Qualification & Certification (#129)	Chevron NDE Performance Demonstration Exams (#99)		Manage CUI Programs Through a Cloud-Based Mobile Solution (#143/#252)	Real Time Situational Awareness and the Turnaround Inspection Work Process (#122)		Efficient Location Based Inspection and Management (#229)	Continuous Thickness Monitoring of Subsea and Buried Pipelines Using Wireless Technology (#262)		"A Jurors Perspective" How Negligence Leads to a Wrongful Death Lawsuit (#228)	Successful Intelligent Pigging Inspection of a Refinery's Aging Crude Supply Lines - A Case Study (#291)
Inspection / NDE - 3	Development of a Minimum Intervention Strategy for Inspection (#208)	Learning How to Avoid Expensive Shutdowns with Non-Intrusive Inspections (#57)		The Methodology and Effectiveness of On Stream Inspection Programs (OSI) Relevant to Gas Oil Separation Plants at Saudi Aramco (#88)	Non-Invasive Monitoring Strategies for Engineering Structures Using Ultrasonic Guided Waves (#79)		UT Camera for In-Service Inspection : Making NDT Inspecotrs More Productive (#242)	Save Time and Cost for Turnarounds Using Phased Array Technology (#64)		Phased Array Testing of Welds From Only One Side - Optimize Your Results (#290)	A New Phased Array Probe Technolgoy Simplifies Recording of DAC/TCG Curves Significantly (#80)
AIM/Engineering/Inspection	Efficient Implementation of PAUT & TOFD for Weld Inspection (#18)	Heat Exchanger Tubing Inspection Analysis: Challenges, Capabilities, and Limitations (#49)	^I Break	Corrosion Monitoring Using Ultrasoni Guided Wave Methods (#260)	2 New ASME Section V Requirements for NDE Personnel - What This Means for You (#288)	Lunch	Physical Failure Analysis and How We Can Learn From our Mistakes (#37)	ASME Section IX. Reviewing Welding Documents 101 (#138)	Break	Root Cause Analysis of a Pipeline Loss of Primary Containment Event (#185)	Development of a Proactive Comprehensive Asset Integrity Program During Construction (#147)
AIM/Engineering/Inspection	MIC Assessment Model for Oil and Gas Production Systems (#198)	s Unusual Corrosion Mechanism in a Shale Gas Well (#235)		Failure Analysis on Cracking in SS Integrally Reinforced Nozzles on a Suction Separator for a CO2 Compressor (#237)	Experience with Acoustic Emission Testing on Offshore Structures (#259)		Physical Failure Analysis and How We Can Learn From our Mistakes (#37)	ASME Section IX. Reviewing Welding Documents 101 (#138)		Root Cause Analysis of a Pipeline Loss of Primary Containment Event (#185)	Integrity Management of Arctic Exploration and Production Facilities (#139)
RBI	Utilizing Risk-Based Inspection on Subsea Assets (#140)	Optimizing Tank Inspection Intervals Through the Use of On-Stream Inspections and RBI (#110)		Using RBI for Tank Bottom Corrosion Rate Modeling (#245)	Onshore Production Tanks - Risk Assessment and Nondestructive Evaluation Techniques (#43)		Inspection Effectiveness and Your Mechanical Integrity Program (#257)	A \$7MM Success Story: Realizing Value from a World Class Mechanical Integrity Program at Dakota Gas (#47)		WeldCRO – The Fully Quantitative Cos Risk Optimization Process-software fo P91 Piping Lifetime Management (#181	- Comprehensive Inspection Programs to Sustain and Aging LNG Plan Integrity (#201)
Industry Panel	Auto-Refrigeration/Brittle Fracture - Ho Happens at Your Site	w to Make Sure Brittle Fracture Never		NDE Qualification and Performance De	monstration		Asset Integrity Management (AIM) Ass	essments - How Important Are They?			

Down-Stream

TRACK	8:30 AM	9:15 AM	10:00 AM	10:30 AM	11:15 AM	12:00 PM	1:30 PM	2:15 PM	3:00 PM	3:30 PM	4:15 PM
Inspection / NDE	Pressure Relief Valve Inspection, A Neglected Necessity (#74)	Field Trial Test Results for Eddy Current Inspection of Twisted Tube Heat Exchangers (#113)		Non-Invasive Heat Exchanger Tube Inspections - Applications and Limitations of Technology (#41)	Heat Exchanger Cleaning Technology for Improved Eddy Current and Remote Field Inspection Results (#236)	,	The Transition Role of a Unit Inspector (#230)	The Unit Inspector and the Turnaround Organization - Partnering for Success (#24)		A New Electromagnetic-Based Approach to CUI Inspection (#83)	Advanced Internal Inspection Alternatives Used to Optimize Effectiveness During Short Duration Turnaround Windows (#101)
Corrosion / Metallurgy	Practical Guidance in Welding of Duplex and Super Duplex Stainless Steels (#197)	Back to Basics with Naphthenic Acid (#234)	Break	1.25Cr Reformer Reactor Flange Brittle Fracture: Lessons Learned (#166)	Unexpected Brittle Fracture of a Heat Exchanger Channel (#193)	Lunch	Acid Gas Preheater Furnace Tube Failures: Case Study (#170)	Update on API RP 970 A Corrosion Control System (#155)	Break	Coatings for Heat Exchanger Tubes - Do They Really Work (#31)	A Comprehensive Discussion on Coating Systems for CUI Service (#15)
AIM/Engineering	Tackling Competency in Mechanical Integrity (#6)	What Makes a Good Inspector Great? (#10)		The Unit Inspector Transforms into a Mechanical Integrity Compliance Officer (MICO) (#231)	Mechanical Integrity Program Management - Online Portal Discussion (#11)		A Better Way to Manage Your Mechanical Integrity Department (#210)	Fitness-for-Service Methodology as Part of Asset Integrity Management for the ECOPETROL - Results and Lessons Learned (#209)		Using Limit Analysis in FFS of Pressure Vessels and Structures (#302	Fitness For Service Assessment of Alcohol Storage Tank Based on API Standards (Case Study) (#131)