

Program is Current as of 4.28.22 and is subject to change.																							
Tuesday, May 3	8:00 - 8:30 AM	8:35 - 9:05 AM	9:10 - 9:40 AM	9:45 - 10:15 AM	10:20 - 10:50 AM	10:55 - 11:25 AM	11:30 AM - 12:00 PM	12:00 - 1:25 PM	1:30 - 2:00 PM	2:05 - 2:35 PM	2:40 - 3:10 PM	3:15 - 3:45 PM	3:50 - 4:20 PM	4:25 - 4:55 PM									
Pipeline Outreach & Stakeholder Engagement	OPENING SESSION / KEYNOTE SPEAKER The Energy Transition - Perceptions, Realities, and What Matters Speaker - Charles McConnell, Executive Director – Carbon Management and Energy Sustainability, University of Houston			Break in Exhibit Hall	Moving the Needle - RP 1185 Effective Public Engagement Shawn Lyon - Marathon Pipe Line Carl Weimer - Pipeline Safety Trust Alan Mayberry - PHMSA		The Stakes are High When Public Engagement is Low – Having the Right Conversations with the Right People at the Right Time Shawn Lyon - MPL		CONFERENCE LUNCH Keynote Remarks Tristan Brown, Deputy Administrator PHMSA API Distinguished Pipeline Safety Award Ceremony	Avoiding Costly Eminent Domain Litigation: How to Approach Property Owners Jim Graziano - Archer & Grenier PC		Using Relationship Metrics to Measure the Effectiveness of Your Stakeholder Engagement & Outreach Efforts Deanna Centurion - Cyera Strategies		Improve Stakeholder Engagement & Outreach Through Tools Built for API 1162 Russel Treat - Enersys Corp		Improved Stakeholder Engagement with Emergency Responders Through Technological Innovation Teri Anderson, Ethan Pulvermacher & Dana Brown - ONEOK Inc		Fulfilling America's Vision for an "Energy Transition" and How to Effectively Tell the Story John Davies - Davies Group		Next Practices: Data and Case Studies Informing the Next Generation of Damage Prevention Sarah MaGruder Lyle - CGA			
Pipeline Safety Management Systems and Environmental Reliability					The Environmental Partnership – Driving Sustainable Operations Matt Todd - API		Reducing Pipeline Carbon Emissions Using Drag Reducing Agents Mark Ewen - Liquid Power			Natural Compliance: A Program/Process Approach Using Systems to Execute the PDCA Cycle and Support Safety Russel Treat - Enersys Corp		High Reliability Organization for Pipelines Kimberly Pierce - Enbridge		API's Pipeline SMS Assessments: An Operator's Perspective and Common Implementation Barriers Seen in Industry Collin Frazier - API Shannon McClure - Plains All American Pipeline Scott Collier - CSMC Consulting		Leadership & Management Implications for Contractor PSMs Implementation & Integration Ashley Donnini - Lola Link Consulting Ryan Hagensee - GTI Stu Buhrendorf - Hallen		The Importance of Understanding Safety Culture in Advancing Pipeline Safety Josie Long, P-PIC Bob Wilson - Northeast Gas Association Hebe Shaw - INGA Foundation Whitt Winfree - Moars Sam Minifie - API Tysman Charpentier - LOOP		Safety Management Systems and How They Connect to Create an Integrated Management System Laurie Knappe - Avetta			
Pipeline Asset Integrity					An Approach to Assess and Resolve Vibration in Above-Ground Pipeline Spans George Antaki - Becht		The Role of Pressure Relief Systems and Devices in Ensuring Facility Integrity Aaron Dinovitzer - BMT Canada Ltd			Creating a Culture of Sharing – Waterway Risk Characterization Project Mike Stackhouse - P66 Pipeline Jeff Barry - Geomorphic Solutions		The new API 1163, In-line Inspection Systems Qualification: Yesterday, Today, and Tomorrow Bernardo Cuervo & Mark McQueen - G2 Integrated Solutions		In Line Inspection Improvement Projects Joshua Bremner - PRCI		Why Cracks Fail, PRCI Project, and What it Means for API RP 1176 Taylor Shie - Shell Pipeline		Recommendations for Crack ILLI Response in Hazardous Liquids Pipelines Mike Rosenfeld - RSI		ILI System Performance for Mechanical Damage and Coincident Features Aaron Dinovitzer - BMT Canada		Mechanical Damage Fatigue Life Assessment Aaron Dinovitzer - BMT Canada	
Pipeline Workforce Development, Human Factors, and Training					Are Your Employees "All-in" at Work? Walter Nusbaum - The Nusbaum Group		Four Proven Solutions to Drive Improved Inspector Performance Dan Lorenz - Joe Knows Energy LLC			Recruiting and Training Pipeline Personnel Patty Bird - NCCER		How to Mitigate Fatigue Risk and Improve Workforce Scheduling Efficiency Sachin Agrawal - Shiftboard		Reimagining Operator Training through Advanced Digital Technologies Winston Jenks & Raj Bhatnagar - Wood Group USA Inc		Transient Simulation Model-Based Training Systems and the Need for Accurate and Detailed Configuration Data Chris Summers - DNV		Career Pathways for Pipeline Facilities: The New API 1184 for Inspectors Andri Orphanides - API		An Update on API RP 1162, 3rd Edition & Key Changes for Pipeline Operators Terri Larson - Larson Communications		ILI Assessments: Qualifying your Pipeline NDE Examiners Andri Orphanides - API	
Wednesday, May 4	8:00 - 8:30 AM	8:35 - 9:05 AM	9:10 - 9:40 AM	9:45 - 10:15 AM	10:20 - 10:50 AM	10:55 - 11:25 AM	11:30 AM - 12:00 PM	Pipeline End	1:30 - 2:00 PM	2:05 - 2:35 PM	2:40 - 3:10 PM	3:15 - 3:45 PM	3:50 - 4:20 PM	4:25 - 4:55 PM									
Pipeline Challenges and Opportunities in a Post-Pandemic Environment	Navigating PHMSA Inspections during the Pandemic and New Norm Linda Daugherty - PHMSA Michelle Slyder - CHS Inc Caroline Henderson - ExxonMobil Pipeline		Remote Work is Here to Stay: Opportunities and Challenges Facing the Post-Covid Workforce Cary Burke - Seyfarth Shaw		Strategies in the Workplace Post-COVID Kat Siegel - Littler Mendelson		A Case Study: Improved Stakeholder Engagement Through Technological Advances Teri Anderson & Ethan Pulvermacher - ONEOK Inc		Adaptability in Credentialing during COVID: Impacts for API 1169 Andri Orphanides - API														
Pipeline The Role of Leak Detection in Minimizing Environmental Impacts	The Intersection of New and Future Leak Detection Requirements under PHMSA and EPA Regulations Chris Hoidal & Gary Steinbauer - Babst Calland		Liquid Pipeline Leak Rate Estimation Aaron Dinovitzer & Sanjay Tiku - BMT Canada Ltd		Emerging Theories of Liability and Damages for Leaks and Releases Daniel Farino & Maureen Coghlan - Archer Law		AI, Data Integration, and Analytics for Pipeline Leak Detection and Other Integrity Programs Ehsan Jalilian & Mike Hooper - Hifi Engineering		Water Ingress Detection in Deep Subsea Gas Pipelines Greg Morrow - Emerson Automation Solutions		First Real Life Results for Automated Airborne Leak and Encroachment Detection Eric Bergeron - Flyscan Systems Inc												
Pipeline Emergency Response & Oil Spills	PFAS Transition and The Impact on Industry Keith Petko - API		Firefighting Foam Transition Stephen Peppers - Phillips 66		Digitizing Aerial Patrol in Alignment with Oil Spill Response and Leak Detection Programs David Yoel - American Aerospace Nikos Salmatanis - Chevron		3D Visualization - Utilizing the Potential of Incident Information Josh Gravenmier - Arcadis		Training America's Volunteer Service for Pipeline Response Phil Oakes, National Association of State Fire Marshals & John Burge TEEK		Five Best Practices for Emergency Incident Response Preparedness Crystal McNeely - Antea Group												
Pipeline Preparing for the Future – System Hardening and Resiliency	PHMSA Regulatory Developments: Agency Focus and Direction Catherine Little - Troutman Pepper Bill Caram - Pipeline Safety Trust Alan Mayberry - PHMSA David Murk - API		ESG Strategy for Pipeline Operations Danielle Puchereilli - Antea Group		Modeling of Hurricane Effects in Support of Resiliency Planning John Atkinson - Arcadis		Infrastructure Dynamics in a Low Carbon Energy Future Cliff Johnson - PRCI Mirela Hiti - TC Energy Dave Murk - API Nick Medina - ExxonMobil Pipeline																
Pipeline Asset Integrity II	Dealing with Shorted Pipe Casings Kelly Baker - Northern Technologies International		In-Ditch Non-Destructive Measurement of Charpy Values for ERW Seams Sohail Safari Loatlyan - Massachusetts Materials Technologies		Predictive Maintenance for Geohazards Based on Bending Strain Data Analytics James Ferguson - Stantec		High Consequence Areas: How to Make HCAs Work for You Bonnie Freeman - FreemanGIS Inc		Quantifying Data Criticality in Risk Management Using Sensitivity Analysis Jake Murray - DNV		Laying the Foundation for an Integrated External Corrosion Management Program Trey Johnston - Corpro Keith Parker - Enbridge		Control Room & Cybernetics Begins										
								Control Room Operations of the New Normal – How Has COVID 19 Changed Operations in the Control Room? Lessons Learned Tyson Shielke - Enbridge Pipelines	How COVID-19 has Changed Our Operations at Enbridge Pipelines Tyson Shielke - Enbridge Pipelines	Improving the CRM adherence and culture in TRANSPETRO's Control Center Ediney Sopper & Paulo Bruno - Petrobras Transporte SA	The Impact of the "New Normal" on Controller Fatigue and Stress Management Michele Terranova - Pipeline Performance Group LLC	Continuing operations in an ever changing environment Chris Yost - Phillips 66											
								Control Room CRM Audit Experience – Lessons Learned from the Perspective of the Operator and PHMSA	PHMSA's CRM Inspection Analytics PHMSA Byron Coy - PHMSA	Audit Readiness – Creating and maintaining an audit ready stance Steven Gillette - Plains Pipeline L.P.	Audit Findings and Recommendations - Lessons Learned from Control Room Inspections Trish Thomason - Integrity Solutions LTD Vicki Cain - Williams	CRM Audit Success Story: How to Prepare for the PHMSA Audit in a Changing Environment Ross Adams - Enersys Corporation											

								Cybernetics 1:30-3:10p SCADA Improvements 3:15-4:55p Leak Detection 1	Scada HMI Transition: Our experience as we continue the journey Brian Chu - Enbridge Pipeline	Integrated Control Room Management (CRM) Tools in SCADA Lars Larsson - OSI Digital Grid Solutions	Real-World SCADA Transformations To Unleash Operational Data Jeremiah Hanley - Streamline Control	New Editions of API 1130 and API 1175 Jason Dalton - Marathon Pipe Line	Real-World Leak Detection via Negative Pressure Wave from Fiber Optic John Williams - Optasense Inc	Integrated External Leak Detection Nikolaos Salmatanis - Chevron
								Cybernetics 1:30-3:10p Automation & Optimization 3:15-4:55p IIOT and Big Data	Shaping a Holistic Automation Strategy Thai Do - Chevron	Utilizing Graphical Coding and Pipeline Models to Configure Consistent and Safe Pipeline Shutdown Sequences Mike Demcoe - AVEVA	Automation & Optimization Can Provide Failsafe & Improve KPI in Control Room Operation Dushyant Markadia - A & A Control Systems Consulting LLC	Pipeline Optimization through Data Analytics Marc Faizone - GHD	Leveraging IIoT and Edge Computing to Enhance Automation Paul Smith - Chevron	Pipeline Modernization and Optimization with Asset Predictive Analytics Noman Rasool - Enbridge Inc
Thursday, May 5	8:00 - 8:30 AM	8:35 - 9:05 AM	9:10 - 9:40 AM	9:45 - 10:15 AM	10:20 AM - 10:50 AM	10:55 AM - 11:25 AM	11:30 AM - 12:00 AM	Control Room & Cybernetics Ends						
Control Room 8:00-9:05a Business Continuity Development for the Control Room 9:10-10:15a Alarm Management	Taking Advantage of Regulations to Improve Continuity for your Control Room Alicia Gibson - Pipeline Performance Group	Data-Driven Earthquake Response for Remotely Operated Assets Andrew Rinner - Marathon Pipe Line	The future of Alarm Management as Integral part of CRM Juan Serinya - Tory Technologies Inc	Alarm Management Integration Travis Unvarferth - Marathon Pipe Line	Leveraging Machine Learning and Artificial Intelligence to Improve Alarm Management Bridget Fitzpatrick - Wood PLC									
Control Room Team Training – What is the Requirement? What is the Intent? from the Perspective of the Operator and PHMSA	Improving Teamwork and Collaboration using API 1173 as a Framework Tom Miesner - Pipeline Knowledge LLC	Incorporating team training in existing emergency training and drill exercises DeeDee Martinez - Chevron Pipeline & Power	Successfully Meeting the Intent of the team training regulations from industry and regulatory perspective Wallace McGaughey - G2 Integrated Solutions	Leveraging an operator training simulator to meet PHMSA control room training requirements Patreem Hangloo - DNV	Team Training Journey Matt Schwinnen & Joseph Lopez - Marathon Pipe Line	Control Room Management Team Training Requirements (PHMSA) Nitander Raju - PHMSA								
Cybernetics 8:00-9:40a Cybersecurity 9:45a-12p Leak Detection 2	Not all Cybersecurity is Created Equally Lars Larsson - OSI Grid Solutions	Intrusion Detection System (IDS) for Industrial Control Systems (ICS) Jonathan Esquivel - Southwest Research Institute	Cybersecurity: From Colonial to Oiltanking Deutschland and beyond: How DarkSide and Black Cat breached modern pipelines Michael Tomchik - SIXGEN Inc.	Implementation of Machine Learning Enhanced CPM on Crude Gathering Pipeline Braden Fitz-Gerald – Flow State Solutions Tyler Reece - Bridger Pipeline	Continuous External Surveillance for Surface Leak Detection Using Polarimetric Imaging Dr. David Chenuault - Polaris Sensor Technologies Dr. Mahesh Iyer - Shell Global Solutions (US) Inc	Using Data Science for Leak Detection Real-Time Transient Models Tuning Boris Rodriguez - DNV	Improving the Reliability, Detection and Accuracy Capabilities of Leak Detection Systems (CPMS) Using Machine Learning Heath Spidle - Southwest Research Institute							