

Program is Current as of 3.28.22 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	<b>OPENING SESSSION / KEYNOTE SPEAKER</b> 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	RP 1185 Panel - Public, Government, & Industry		Tribal Engagement or EJ & Human Trafficking	<b>CONFERENCE LUNCH</b>  Keynote Remarks Tristan Brown, Acting Administrator PHMSA  API Distinguished Pipeline Safety Award Ceremony	Avoiding Costly Eminent Domain Litigation: How to Approach Property Owners	Using Relationship Metrics to Measure the Effectiveness of Your Stakeholder Engagement & Outreach Efforts	Improve Stakeholder Engagement & Outreach Through Tools Built for API 1162	A Case Study - Improved Stakeholder Engagement Through Technological Innovation	Fulfilling America's Vision for an "Energy Transition" and How to Effectively Tell the Story	Next Practices: Data and Case Studies Informing the Next Generation of Damage Prevention	
Pipeline Safety Management Systems and Environmental Reliability					Natural Compliance: A Program/Process Approach Using Systems to Execute the PDCA Cycle and Support Safety	Safety Management Systems and How They Connect to Create an Integrated Management System	The Environmental Partnership – Driving Sustainable Operations		High Reliability Organization for Pipelines	API's Pipeline SMS Assessments: An Operator's Perspective and Common Implementation Barriers Seen in Industry	Leadership & Management Implications for Contractor PSMS Implementation & Integration	The Importance of Understanding Safety Culture in Advancing Pipeline Safety		Reducing Pipeline Carbon Emissions Using Drag Reducing Agents	
Pipeline Asset Integrity					An Approach to Assess and Resolve Vibration in Above-Ground Pipeline Spans	The Role of Pressure Relief Systems and Devices in Ensuring Facility Integrity	Creating a Culture of Sharing – Waterway Risk Characterization Project		The new API 1163, In-line Inspection Systems Qualification: Yesterday, Today, and Tomorrow	In Line Inspection Improvement Projects	Why Cracks Fail, PRCI Project, and What it Means for API RP 1176	Recommendations for Crack ILLI Response in Hazardous Liquids Pipelines	ILI System Performance for Mechanical Damage and Coincident Features	Mechanical Damage Fatigue Life Assessment	
Pipeline Workforce Development, Human Factors, and Training					Are Your Employees "All-In" at Work?"	Four Proven Solutions to Drive Improved Inspector Performance	Recruiting and Training Pipeline Personnel		How to Mitigate Fatigue Risk and Improve Workforce Scheduling Efficiency	Reimagining Operator Training through Advanced Digital Technologies	Transient Simulation Model-Based Training Systems and the Need for Accurate and Detailed Configuration Data	Career Pathways for Pipeline Facilities: The New API 1184 for Inspectors	An Update on API RP 1162, 3rd Edition & Key Changes for Pipeline Operators	API Long Seam NDE Program	
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		Remote Work Is Here to Stay: Opportunities and Challenges Facing the Post-Covid Workforce	Break in Exhibit Hall	Strategies in the Workplace Post-COVID	A Case Study in Leveraging Data and Managing Change	Adaptability in Credentialing during COVID: Impacts for API 1169								
Pipeline The Role of Leak Detection in Minimizing Environmental Impacts	The Intersection of New and Future Leak Detection Requirements under PHMSA and EPA Regulations	Liquid Pipeline Leak Rate Estimation	Emerging Theories of Liability and Damages for Leaks and Releases		AI, Data Integration, and Analytics for Pipeline Leak Detection and Other Integrity Programs	Water Ingress Detection in Deep Subsea Gas Pipelines	First Real Life Results for Automated Airborne Leak and Encroachment Detection								
Pipeline Emergency Response & Oil Spills	PFAS Transition and The Impact on Industry	Firefighting Foam Transition	Operational Digital Platforms for Offshore Operators		Emergency Response to Atmospheric River and Pipeline Washout at Water Crossings	Emergency Response Operational Readiness: Implementation of API RP 1173 Section 12	Five Best Practices for Emergency Incident Response Preparedness								
Pipeline Preparing for the Future – System Hardening and Resiliency	PHMSA Regulatory Developments: Agency Focus and Direction		ESG Strategy for Pipeline Operations		Modeling of Hurricane Effects in Support of Resiliency Planning	Infrastructure Dynamics in a Low Carbon Energy Future									
Pipeline Asset Integrity II	Dealing with Shorted Pipe Casings	An Approach to Assess and Resolve Vibration in Above-Ground Pipeline Spans	Predictive Maintenance for Geohazards Based on Bending Strain Data Analytics		High Consequence Areas: How to Make HCAs Work for You	Quantifying Data Criticality in Risk Management Using Sensitivity Analysis	Laying the Foundation for an Integrated External Corrosion Management Program	Control Room & Cybernetics Begins							
								Control Room Operations of the New Normal – How Has COVID 19 Changed Operations in the Control Room? Lessons Learned	How COVID-19 has Changed Our Operations at Enbridge Pipelines	Improving the CRM adherence and culture in TRANSPETRO's Control Center (could be COVID as well)	The Impact of the "New Normal" on Controller Fatigue and Stress Management	Continuing operations in an ever changing environment			
								Control Room CRM Audit Experience – Lessons Learned from the Perspective of the Operator and PHMSA	Audit Findings and Recommendations - Lessons Learned from Control Room Inspections	CRM Audit Success Story: How to Prepare for the PHMSA Audit in a Changing Environment	"PHMSA's CRM Inspection Analytics PHMSA				

Thursday, May 5								Cybernetics 1:30-3:45p SCADA Improvements 3:50-4:45p Leak Detection 1	Leveraging Machine Learning and Artificial Intelligence to Improve Alarm Management	Integrated Control Room Management (CRM) Tools in SCADA	Integrated Control Room Management (CRM) Tools in SCADA	Real-World SCADA Transformations To Unleash Operational Data	New Editions of API 1130 and API 1175	Using Simulation Techniques to Better Understand RTTM-Based Leak Detection System Performance
Thursday, May 5								Cybernetics 1:30-3:45p Automation & Optimization 3:50-4:45p IIOT and Big Data	Shaping a Holistic Automation Strategy	Utilizing Graphical Coding and Pipeline Models to Configure Consistent and Safe Pipeline Shutdown Sequences	Automation & Optimization Can Provide Failsafe & Improve KPI in Control Room Operation	Pipeline Optimization through Data Analytics	Leveraging IIoT and Edge Computing to Enhance Automation	Pipeline Modernization and Optimization with Asset Predictive Analytics
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	Data-Driven Earthquake Response for Remotely Operated Assets	The future of Alarm Management as Integral part of CRM	Alarm Management Integration										
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	Incorporating team training in existing emergency training and drill exercises	Successfully Meeting the intent of the team training regulations from industry and regulatory perspective.	Leveraging an operator training simulator to meet PHMSA control room training requirements	Team Training Journey	Control Room Management Team Training Requirements								
Cybernetics 8:00-9:40a Cybersecurity 9:45a-12p Leak Detection 2	Intrusion Detection System (IDS) for Industrial Control Systems (ICS)	Government & 3rd Party Perspective on Cybersecurity	RP 1164 Update	Implementation of Machine Learning Enhanced CPM on Crude Gathering Pipeline	Continuous External Surveillance for Surface Leak Detection Using Polarimetric Imaging	First Real Life Results for Automated Airborne Leak and Encroachment Detection	Improving the Reliability, Detection and Accuracy Capabilities of Leak Detection Systems (CPMS) Using Machine Learning							