

Sustain Transform Secure

2024 API PIPELINE CONFERENCE & EXPO

PIPELINE, CONTROL ROOM AND CYBERNETICS

May 6 - 8, 2024 Hyatt Regency Salt Lake | Salt Lake City, UT



American
Petroleum
Institute

CONFERENCE & EXPO PROGRAM GUIDE



Global leaders continue to evolve in their formulas for a successful and just energy evolution. In doing so, the realization that oil and gas are catalysts for energy sustainability, transformation and security amidst a rising global demand sharpens. Oil and gas companies are working to solve the climate challenges by sustaining resources today, all the while securing the future through the development of innovative business models. To continue to transform both present and future outlooks, valiant efforts are underway for deepening expertise, embracing policies that accelerate capital investments, and collaborating in unprecedented ways that enables a continued pathway for evolution. Industry will continue its mission to sustain, transform, and secure essential needs across the globe. Join the +700 industry professionals in Salt Lake City, Utah from May 6-8, 2024 as they connect, collaborate, and learn together.

Sustain. Transform. Secure.

What We Know

1

Oil and gas companies continue to take steps in defining the energy system of tomorrow. As time progresses, the role oil and gas companies will play in the energy evolution continues to grow.

2

While at times geopolitically influenced, current oil price increases reflect a strengthening global economy leading to healthy balance sheets for U.S. companies. Current trends highlight a continued focus on shareholder returns and energy diversification investments, such as CCUS and hydrogen, versus traditional asset investitures.

3

Companies will need abundant capital, diverse technical expertise, and experience with complex operations and markets to successfully embrace new fuels.

4

Domestic and global demand is less likely to decline near term. Increases in LNG export facilities continue to place the U.S. with greater mobility to serve even greater energy goals globally. This includes natural gas' reputational comeback due to its more immediate effect on lowering carbon and methane emissions.

5

A renaissance in workforce development is inevitable and will be largely influenced by oil and gas with a makeup of approximately 5% of the U.S. total employment.

6

Advancements in technologies are rapidly being embraced to improve production, increase connectivity, optimize equipment, ensure worker safety, and monitor remote areas.

Sustain. Transform. Secure.

A Few Highlights

*NEW! Curated **Pre-Conference** networking opportunities to explore some of Salt Lake City's best known tourist attractions and activities. Pre-registration required.*

A marquee 'Oil and Gas' industry program made easy for attendees to navigate by tracks and interests.

Event venue located in the heart of one of the fastest growing urban hubs in the United States.

Leading DEI&A practitioners attending to share their work in discussion on industry related topics and future needs.

New! Continuing Education feature allowing attendees to track and earn professional development hours for the sessions they attend!

Centrally located Exhibit Hall with top service providers and suppliers educating attendees on latest products and services.

GEOFFREY *Comm*

ACCELERATING DIGITAL ENERGY



Keynote

May 6

*Speaker,
Author,
Trainer*



WORK SMART

Gaining unique access to +100 diverse sessions to expand your knowledge, network, learning, and discovery of solutions for you and your organizations.

Presenting your ideas and work to others, while getting feedback and potentially new perspectives from others for continuous improvement.

Acquiring insights into the latest trends and technologies that are crucial for a successful business.

Meeting industry leaders with an opportunity to listen to them present their stories and network with them individually.

Building your CV for future opportunities that show existing and potential employers active engagement within a specific industry field of work.



Case for Attending



Over 100 diverse sessions to expand your knowledge.



Opportunity to share your ideas and solicit input from others.



Unique access to the latest trends and technologies.



Networking with +700 industry leaders and peers.



Building your knowledge and experience for future opportunities.

Sustain. Transform. Secure.

+700 attendees descending on Salt Lake City connecting and innovating together.



Event platform used by over 3.5K event managers worldwide for event management from registration to attendee engagement.



Some of the best in class panelists, technical session presenters, and service providers representing vast areas across the entire oil and gas value chain. There is something for everyone.



Diversity, Equity, Inclusion & Access focused efforts throughout the conference from exhibit hall to sessions.



Continuing Education feature allows attendees to track and earn professional development hours for the sessions they attend! Credit may not apply to all.



Strategic tracks with curated sessions that explore relevant and important topics related to how industry is working to sustain, transform, and secure the energy evolution.



Conference activities and venue intentionally selected to foster networking and community across all the oil and gas industry.

Keynote

May 7

*Elite Hacker
Speaker,
Author*

Scott

WHITE

Sustain. Transform. Secure.



Sunday, May 5	Monday, May 6	Tuesday, May 7	Wednesday, May 8
<p>Registration 3:00 pm – 6:00 pm Pre Function Space</p>	<p>Registration 6:30 am – 5:00 pm Pre Function Space</p>	<p>Registration 6:30 am – 5:00 pm Pre Function Space</p>	<p>Registration 6:30 am – 5:00 pm Pre Function Space</p>
<p>NEW! Executive Roundtable (invite only) 2:30 pm – 4:30 pm</p>	<p>Exhibit Hall Hours</p>	<p>Exhibit Hall Hours</p>	<p>Technical Tracks: 8:00 am – 12:00 pm</p>
<p>Private Reception (invite only) 5:00 pm – 6:30 pm Broadcast Lounge</p>	<p>Opening Keynote & Awards: 8:00 am – 10:00 am Regency C & D</p>	<p>Technical Tracks: 8:00 am – 12:10pm 2:40 pm – 5:30pm</p>	<p>Conference & Expo Closes</p>
	<p>Technical Tracks: 10:30 am – 12:20 pm 1:30 pm – 5:30 pm</p>	<p>Day 2 Keynote 1:30 pm – 2:30 pm Regency C & D</p>	
	<p>Welcome Reception 5:30 pm – 7:00 pm Regency A & B</p>	<p>Networking Reception: 5:30 pm – 7:00 pm</p>	

Pipeline Tracks

Stakeholder Engagement & Outreach

This track fosters information sharing on engagement information for community involvement and multi stakeholder efforts or tools used for advancement in safe pipeline operations. Example topics may include leading practices for engagement with communities throughout the lifecycle of a pipeline(s), API Recommended Practices (RP) 1162, Public Awareness Programs for Pipeline Operators and RP 1185, Pipeline Public Engagement, environmental justice and Tribal/First Nation considerations, emergency responder education, and damage prevention outreach.

Operational Excellence

This track explores how oil and gas leaders are operating their assets safely, reliably, sustainably and cost effectively from safety performance to best-in-class standards and systems. Examples topics may include processes for identifying high consequence areas, in line inspection lessons learned, pipeline safety management systems, safety culture, Management of Change, leak detection analysis and remediation for risk reduction and enterprise & operational risk management.

Environmental, Social & Governance

This track provides industry insights on both current and forward-looking strategies, changes, and approaches to environmental responsibility and broader ESG measures. Examples topics may include energy evolution, habitat management and conservation programs, ESG risks, system hardening and resiliency, methane emission quantification and other sustainable practices by operators.

Technology & Innovation

This track highlights operational technologies, tools and other innovations that allow organizations to advance their operations, asset integrity, risk management, and business continuity and growth. Example topics may include new inspection tools and engineering practices, leak detection technologies, emergency responder applications and emerging fuel developments.

Workforce Development

This track offers insight into diverse workforce development strategies in the pipeline industry. Example topics include succession planning to support knowledge transfer, attracting new workers to the industry, talent retention strategies, managing a multigenerational workforce, Operator Qualification (OQ) and inspector certification programs, establishing competency based learning programs, using technology to train, and expanding formal training to include knowledge-based workers.

Low Carbon Energy Outlook

This track explores the topics associated with the safe and efficient transportation and storage of carbon dioxide (CO₂), hydrogen (H₂) and other low carbon and renewable sources while examining how both new and existing energy pipeline infrastructure may enable the addition of a next generation of low carbon fuel supply. Example topics include safety related R&D, standards to address operations and integrity, odorant considerations, leak detection methods, self powering technologies, pipeline materials, emergency preparedness and response guidance, dispersion modeling and modifications to infrastructure and other factors to ensure safe operations of CO₂ and low carbon fuels.

Control Room Tracks

Team Training

This track focuses on establishing and maintaining compliance, while fostering collaboration on one of the newest aspects of Control Room Management regulations. Example topics may include regulation history, interpreting regulatory requirements, incorporating team training into both normal and abnormal operations, training frequencies and non-technical soft skill training approaches.

Emerging Tech & the Workforce of the Future

This track explores the future of control room operations, sharing insights on technologies, implementation strategies, use cases and best practices, and talent recruitment and acquisition approaches. Example topics may include automation/autonomous operations, implementation of API RP 1165, workforce training and skill development, shiftwork transformation, and recruiting techniques.

Alarm Management

This track focuses on the lifecycle of alarms, from alarm identification to alarm monitoring and management of change. Sessions within this track will seek to share how stakeholders are addressing challenges related to implementation of an alarm philosophy and fulfillment of regulations requiring an alarm management plan. Example topics include solutions for optimizing controller response on complex systems, smart alarms, alarm dashboarding and analysis, impacts of Title 49 rupture response procedures, and alarm workload management.

Control Room Management Best Practice Share

This track takes a deep look into the interpretations of the Control Room Management Rule through the operational application of procedures and practices. Open discussion topics may include all aspects of Control Room Management such as: lessons learned, case studies for processes and procedures implementation into control room operations, and common interpretations or practices.

Regulatory Interpretations & Inspection Findings

This track examines control room inspections, performed by regulators and operators, and the diverse outcomes in areas of compliance and/or interpretation. Example topics include inspection lessons learned, inspection preparation successfully demonstrating compliance, differences between regulator inspections and investigations, and the value of self-assessments.

Cybernetics Tracks

ML Automation

This track is focused on highlighting the latest advancements, applications, and impactful use-cases of machine learning and automation in the midstream oil and gas sector. Example topics may include optimizing transportation logistics, enhancing asset management, and improving safety protocols.

Leak Detection Program & Operator Trainer System

This track focuses on strategies and best practices in the field of leak detection program management. This is a unique opportunity for experts and professionals to share their insights on crucial topics shaping leak detection programs. Example topics include performance measurement, advancement in system tuning increasing efficient and reduction of false positives, research findings on leak detection testing and methodologies, design and management of operator training simulators, and critical instrumentation record keeping practices.

Internal Leak Detection Advancements

This track aims to showcase emerging technologies and advancements for internal leak detection systems. Example topics may include AI uses cases in areas of internal leak detection systems, detection accuracy and proactive maintenance, new implementations in live environments demonstrating significant value, and examples of next level improvements to existing technologies.

External Leak Detection Advancements

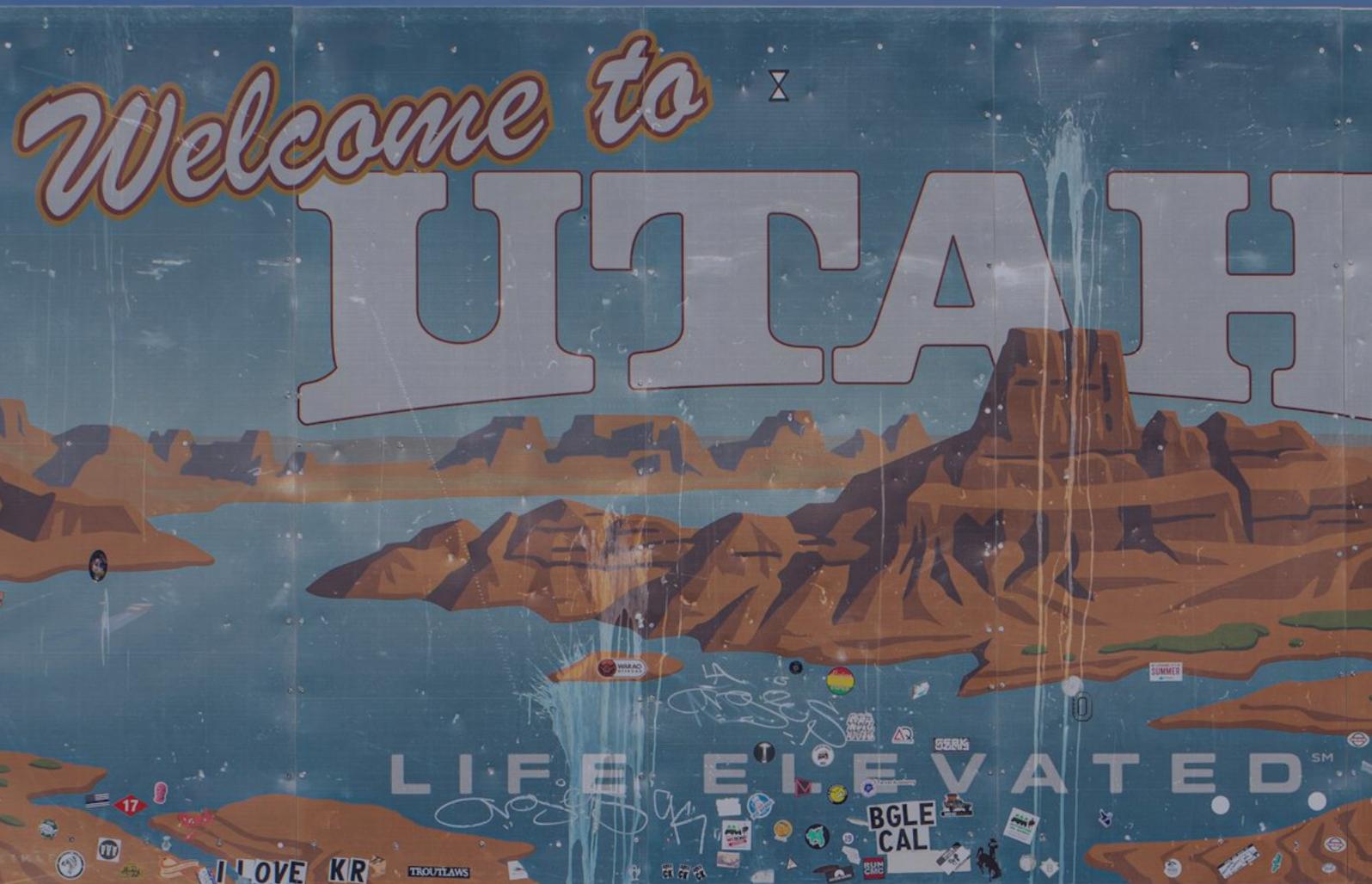
This track promotes the exploration of cutting edge developments in external leak detection systems. Example topics include predictive analytics, AI driven algorithms revolutionizing detection accuracy, predictive capabilities, and proactive maintenance strategies, inventive applications of external detection tools, and advancements in existing detection technologies that have resulted in breakthrough value.

SCADA/Cybersecurity

This track provides information about key industry improvements to SCADA systems from processes to technologies and explores topics related to the latest advancements, challenges and strategies for securing critical energy infrastructure. Example topics may include the modernization of SCADA communications, SCADA audit experiences, case studies in secure and efficient inter-company connections, SCADA related projects and lessons learned, strategies for threat detection and prevention, vulnerabilities and solutions for ICS and SCADA systems, and case studies for risk management approaches.

Regulatory Interpretations & Inspection Findings

This track focuses on the critical intersection of compliance, operational integrity, and technological advancement. Example topics may include leak detection regulations and practices, cybersecurity regulation interpretations such as digital infrastructure protection, data privacy and governance of sensitive information, cross border compliance, and regulatory reporting.



Sustain. Transform. Secure.

Attendee Duty of Care: API recognizes the safety of all of those in-person at the 2024 API Pipeline Conference and Expo as a top priority. API is committed to following CDC, local government agencies, and the Hyatt Regency Salt Lake Covid-19 health and safety guidelines for hosting in-person events. By attending the 2024 API Pipeline Conference and Expo in Salt Lake City, Utah, you agree to comply with all Covid-19 health and safety guidelines adopted by API, that have been recommended by the CDC, local government agencies and the Hyatt Regency Salt Lake. Your acceptance of the Attendee Duty of Care is a condition of registration and participation in the 2024 API Pipeline Conference and Expo.



Technical Session Listing

Technical Session

- 50-in-5: How We Can Cut Underground Utility Damages in Half by 2028
- A comparison of EMAT reported, lab UT measured against actual and impact to crack assessment
- A discussion on Leak Detection KPIs
- A Model Based Approach to Testing Leak Detection in a Runtime Environment
- A Standardized Approach to Transmission Tracking and Traceability
- A Transformative Real-Time Solution Shaping the Future of Control Room Operations in Pipeline Industry
- Achieving optimal levels of uncertainty and conservatism in the integrity management of metal loss anomalies
- Advanced Permanent Remote Pig Tracking
- Alarm Management Implementation Challenges and Best Practices
- An Operator's Perspective using more Edge devices within an Operational Technology (OT) environment for pipeline leak detection..
- Analytical View of PHMSA CRM Enforcement Cases
- Anhydrous Ammonia Pipeline Experience in the United States
- API RP 1185 – What Is It and What Does It Mean for Pipeline Public Engagement?
- API RP 1185 is Published. Now What? (PANEL)
- Application and Evaluation of a Novel Drone-Based Approach to Measuring Pipeline Burial Depth
- Application of rule-based logic to improve integrated external sensing systems and decision quality for Control Room Operations
- Assessing Consequences of CO2 Releases Using a Range Qualitative to Quantitative Approaches
- ASSESSMENT OF ABRASION RESISTANCE OVERLAY (ARO) WRAPS FOR HORIZONTAL DIRECTIONAL DRILLING (HDD)
- Benefits and risks of Adoption of AI and ML technology in the pipeline control room
- Best Practices and Trends in Measuring Controller Workload
- Biodiversity as Market Differentiation: Exploring cost efficiencies and risk reductions
- Breaking Silos in Control Room Business Processes
- Case Study: Modernizing SCADA System To Deliver Operational Excellence for the Midstream/Oil and Gas Industry
- CECONY Transforming Training using Operator Training Simulator
- Change Management Best Practices for Computational Pipeline Monitoring Leak Detection Systems at Phillips 66
- CO2 Pipeline Safety and the Importance of Meaningful Public Engagement

Track

- Pipeline | Environmental, Social & Governance
- Pipeline | Technology & Innovation
- Cybernetics Leak Detection program and Operator Trainer System
- Cybernetics Leak Detection program and Operator Trainer System
- Pipeline | Technology & Innovation
- Control Room | Emerging Tech & the Future Workforce
- Pipeline | Technology & Innovation
- Pipeline | Technology & Innovation
- Control Room | Alarm Management
- Cybernetics | External Leak Detection Advancements
- Control Room | Regulatory Interpretations & Inspection Findings
- Pipeline | Low Carbon Energy Outlook
- Pipeline | Stakeholder Engagement & Outreach
- Pipeline | Stakeholder Engagement & Outreach
- Pipeline | Technology & Innovation
- Control Room | Emerging Tech & the Future Workforce
- Pipeline | Low Carbon Energy Outlook
- Pipeline | Operational Excellence
- Control Room | Emerging Tech & the Future Workforce
- Control Room | Alarm Management
- Pipeline | Environmental, Social & Governance
- Control Room | Control Room Management Best Practice Share
- Cybernetics | SCADA
- Cybernetics Leak Detection program and Operator Trainer System
- Cybernetics Leak Detection program and Operator Trainer System
- Pipeline | Stakeholder Engagement & Outreach

[Click here for the latest info](#)



Technical Session Listing

Technical Session

Communicating Risk, Consequence, and Very Unlikely "Bad Days" Using Dispersion Models

Compliance with API 195.417 Rupture detection classification

Computational solution for gas network daily planning and automated linepack boundaries calculation

Control Room Automation

Control Room Lessons I Learned While Providing Litigation Consulting

Control Room Roundtable

Converging Gas Pipeline Modeling and Commercial Excellence: A Seamless Integration

Crack Assessment Requirements for Liquid and Gas Pipelines

CRM Compliance Documentation Requirements: What is Required and What Is Not?

Cybernetics Roundtable

Data Management for Pipeline Safety and Asset Knowledge Management

Developing Carbon Dioxide and Hydrogen Pipelines Amid Regulatory Uncertainty

Digital Field Operations Apps and Dashboards - Providing a More Agile Way of Working

Dispersion modeling and determination of impact zones for CO2 pipelines

Driving Growth and Innovation - Applying maxOPT & leanOPT Optimization Technologies at Phillips 66

Driving innovation and disruptive knowledge transfer for the Next Generation of Energy Workers.

DWS Case Study: A Focus on Social & Governance in ESG reporting

Effective Analysis of Column Separation

Elastic-Plastic Finite Element Analysis Utilizing Detailed Crack Profiles

Enhancing Leak Location Estimation Accuracy using Pressure Gradient Intersection Technique via Data Analytics

Ensuring Continued Leak Detection Performance Through Holistic Monitoring

Ensuring Pipeline safety for Carbon capture and Storage (CCS) through Real-time monitoring and leak detection

Environmental Justice: An Introduction to Regulatory Methodologies and Proactive Industry Response

Examining the Effect of Flattening CVN Impact Specimens

Facilitating Effective Alarm Management

Track

Pipeline | Stakeholder Engagement & Outreach

Cybernetics Leak Detection program and Operator Trainer System

Cybernetics ML Automation

Cybernetics ML Automation

Control Room | Control Room Management Best Practice Share

Control Room | Control Room Management Best Practice Share

Pipeline | Operational Excellence

Pipeline | Operational Excellence

Control Room | Regulatory Interpretations & Inspection Findings

Cybernetics Leak Detection program and Operator Trainer System

Pipeline | Technology & Innovation

Pipeline | Low Carbon Energy Outlook

Pipeline | Technology & Innovation

Pipeline | Low Carbon Energy Outlook

Cybernetics ML Automation

Pipeline | Workforce Development

Pipeline | Environmental, Social & Governance

Control Room | Control Room Management Best Practice Share

Pipeline | Technology & Innovation

Cybernetics | Internal Leak Detection Advancements

Cybernetics Leak Detection program and Operator Trainer System

Pipeline | Low Carbon Energy Outlook

Pipeline | Stakeholder Engagement & Outreach

Pipeline | Operational Excellence

Control Room | Alarm Management

[Click here for the latest info](#)



Technical Session Listing

Technical Session	Track
Facility Leak Detection Leveraging Artificial Intelligence and Operational Cameras	Pipeline Technology & Innovation
Factors to consider when determining suitability of Engineering Critical Assessment per 192.712 (c)	Pipeline Technology & Innovation
Fatigue Assessment of Pipeline Ovalities Discovered During Construction	Pipeline Technology & Innovation
Fiber Optic LD System Operationalization	Cybernetics External Leak Detection Advancements
Flow assurance through the implementation of a pipeline program cleaning with pigs	Pipeline Operational Excellence
Ground Disturbance Detection Using Distributed Fiber Optic Sensing to Safeguard Pipeline Integrity	Pipeline Technology & Innovation
Ground flow patterns of simulated gas leaks from buried pipelines in field conditions	Cybernetics External Leak Detection Advancements
How can Companies Meet the Changing Needs of Controllers?	Control Room Emerging Tech & the Future Workforce
How to Prove A Gut Feeling: Analyzing Third-Party Damage Threat Using Weighted Overlay Analysis	Pipeline Technology & Innovation
How to Train over 18,000 First Responders	Pipeline Stakeholder Engagement & Outreach
Human Behavioral Aspects on Operator Training System: a New Approach	Pipeline Workforce Development
Human Capital & The Regulatory Environment	Pipeline Workforce Development
Hydrogen Blended Natural Gas Flow Measurement Challenges for Local Distribution	Pipeline Low Carbon Energy Outlook
Hydrotesting in the modern world - What are we looking for?	Pipeline Operational Excellence
Impact of a Comprehensive Offline Trainer for Liquid Pipeline Operations	Control Room Team Training
Improving business and operational efficiencies of scheduling liquid hydrocarbon pipelines	Cybernetics ML Automation
Improving Remote Detection, Verification and Assessment of Liquid/Hydrocarbon Leaks using AI Vision with Quantification	Cybernetics External Leak Detection Advancements
Increasing Pipeline Profitability by Optimizing Movement Cost	Pipeline Operational Excellence
Increasing Valve Regulatory Conformance and Inspection Preparation Through Valve Maintenance; Schedule Theory	Pipeline Technology & Innovation
In-line inspection of non-piggable pipelines using self-propelled UT technology	Pipeline Operational Excellence
Innovative Non-Destructive Toughness Testing Methods	Pipeline Technology & Innovation
Innovative pipeline integrity solution with self-monitoring Smartpipe® replacement in DOT Class 3 location	Pipeline Technology & Innovation
Innovative Solutions for Decarbonization of a Subsea Pipeline Network	Pipeline Low Carbon Energy Outlook
Integrated Monitoring with PI and Machine Learning Algorithms for Generation of Operational Alerts in Gas Transport	Cybernetics ML Automation
Integrated Program for Supporting Emergency Gas Pipeline Manual Operations: Structure and Challenges	Control Room Control Room Management Best Practice Share
Integrating LiDAR into Geohazard Management Program	Pipeline Operational Excellence

[Click here for the latest info](#)



Technical Session Listing

Technical Session	Track
Integrating MQTT into Modern SCADA	Cybernetics SCADA
Integrity insights and spend optimization with analytics	Pipeline Operational Excellence
Leak Detection Program KPI Metrics	Cybernetics Leak Detection program and Operator Trainer System
Leveraging Low-field In-Line Inspection Technology to Enhance Hard Spot Pipeline Integrity Management	Pipeline Technology & Innovation
Locating a lost/stuck pig in a pipeline using XLI PWA technology	Pipeline Technology & Innovation
Loss of Primary Containment Assurance and Optimization of Risk Treatment	Pipeline Operational Excellence
Managing Pipeline Depth of Cover Concerns Within Tillable Fields Through Conservation Agriculture Programs	Pipeline Stakeholder Engagement & Outreach
Manual Pipeline Operations – Staffing for Control Room & Field Personnel	Control Room Control Room Management Best Practice Share
Marathon’s approach to meeting the TSA CIP and CAP requirements	Cybernetics Cybersecurity
Maximizing Output of Fluid Pipelines and Environmental Responsibility; Balancing Strategies for the Future	Pipeline Environmental, Social & Governance
Microwave Inspection Development and Evaluation for Spoolable Composite Pipe	Pipeline Technology & Innovation
Modernizing Aerial Patrol - First Detection of a Real Seep Leak, Encroachments, and Exposed Pipes	Pipeline Technology & Innovation
Modernizing Pipeline Inspection: Above Ground Marker (AGM) Data Alignment for Accurate Geohazard Pipe Movement Identification	Pipeline Technology & Innovation
Multi-application use of edge compute in large scale midstream operations	Pipeline Operational Excellence
Natural Gas Regulatory Update	Pipeline Operational Excellence
Navigating Diverse Outcomes from CRM Inspections	Control Room Regulatory Interpretations & Inspection Findings
Operational continuity in the event of a total failure of the SCADA system	Control Room Control Room Management Best Practice Share
Operational Integrity of Valve Auxiliary Fittings, Performance and Design	Pipeline Technology & Innovation
Operator Wellbeing in Control Rooms: A Vital Priority	Control Room Emerging Tech & the Future Workforce
OPEX Optimisation for Un-Piggable Vent Line/Low Flow Pipeline Inspection via Self-Propelling Robotic ILI Tool	Pipeline Operational Excellence
Over 2100 pipeline thefts detected – What should you look for?	Cybernetics Internal Leak Detection Advancements
PANEL on Best Practices for Strengthening Company Culture	Pipeline Workforce Development
Panel Session: What’s Next for the Low Carbon Energy Future? (5 Part)	Pipeline Low Carbon Energy Outlook
PHMSA Rupture Mitigation Valve Rule: Role of Consequence Modeling to Meet New Requirements	Pipeline Technology & Innovation
Pipeline Integrity Operation Windows for Energy Transition	Pipeline Operational Excellence
Pipeline Leak Detection for Energy Transition	Cybernetics Internal Leak Detection Advancements

[Click here for the latest info](#)



Technical Session Listing

Technical Session	Track
Pipeline Mechanical Protection: HDPE as an alternative to Concrete Slab	Pipeline Technology & Innovation
Pipeline Safety Management Systems (SMS): Contractor Assessment Tool and Contractor Assessment Program Pilots	Pipeline Operational Excellence
Pipeline SMS Practice Exchange	Pipeline Operational Excellence
Pipelines and Voluntary Conservation Agreements for Endangered and At-Risk Species	Pipeline Environmental, Social & Governance
Planning for Preventive and Mitigative Actions: A Data-Driven Strategy to Address Risks	Pipeline Operational Excellence
PRCI Research Results: Project EC-08-11, Pipeline Cathodic Protection Monitoring Using Real Time Current Measurement	Pipeline Technology & Innovation
Precision in Action: Mastering Leak Detection through optimal Tuning in CPM systems	Cybernetics Internal Leak Detection Advancements
Predictive Analytics Model for Natural Gas Transportation Consumption	Cybernetics ML Automation
Process for pipeline stand-up pressure test: a reliable method for integrity verification	Cybernetics External Leak Detection Advancements
Protect Pipes from Over Pressure during Purge at Phillips 66	Pipeline Operational Excellence
RAM Analysis (Reliability, Availability, and Maintainability) of the OBATI Pumping System	Pipeline Operational Excellence
Real-Time Optimization Solution Driving Sustainable Growth in Liquid Pipeline Operations	Cybernetics ML Automation
Safety Algorithm: Development of a Risk Indicator to Aid in Safety Program Evaluation	Pipeline Operational Excellence
Simulating Leaks to Satisfy API 1130 Testing Requirements	Cybernetics Leak Detection program and Operator Trainer System
Simulation of Anthropogenic CO2 in CPM Leak Detection Systems	Cybernetics Internal Leak Detection Advancements
Smart Alarm Management	Control Room Alarm Management
State and Federal TVC Audit Preparedness	Pipeline Operational Excellence
State-of-the-Art NDE QAQC Automation Software Tool Development	Pipeline Technology & Innovation
Step One - Define Engagement	Pipeline Stakeholder Engagement & Outreach
Stratus Technologies and Colonial Pipeline Partnership: Enhancing Edge Compute Considerations for Pipeline Operations and Cybersecurity	Cybernetics SCADA
Sustainable Landscapes Progress and Lessons Learned	Pipeline Environmental, Social & Governance
Team Training Best Practices	Control Room Team Training
Team Training, Operational Collaboration during normal, abnormal, or emergency operations.	Control Room Team Training
The California Pipeline Emergency Responder Initiative Program (CAL PERI), New Beginnings	Pipeline Stakeholder Engagement & Outreach
The Future of Operational Excellence - Applying pipeBOT Automation Technology at Phillips 66	Pipeline Operational Excellence
The Importance of an Integrated Management System to Drive Safety Outcomes	Pipeline Operational Excellence
The Journey from Paper to Electronic Outreach- Lessons Learned From Challenging the Status Quo	Pipeline Stakeholder Engagement & Outreach

[Click here for the latest info](#)



Technical Session Listing

Technical Session	Track
The Missing Link to FRMS Success: Driving Adoption	Pipeline Workforce Development
The SCC management framework executed by Petrobras Transporte to assess its 8,500km of pipelines.	Pipeline Operational Excellence
The Technical and Policy Challenges Facing Carbon Dioxide Pipeline Development	Pipeline Low Carbon Energy Outlook
Tips and Tricks for Navigating the Valve Rule	Pipeline Technology & Innovation
Tracking Key Outcomes of the PRCI Crack Management Strategic Research Priority	Pipeline Technology & Innovation
Two-Phase CO2 Flow Behavior in Horizontal Piping	Pipeline Low Carbon Energy Outlook
Under the Umbrella: Incorporating Field Personnel into Stakeholder Engagement.	Pipeline Stakeholder Engagement & Outreach
Understanding How New Regulatory Requirements Impact IMP	Pipeline Operational Excellence
Using Time Series Data Analytics to Drive Improvements for Internal Monitoring Leak Detection Systems	Cybernetics Internal Leak Detection Advancements
Utilizing Software Tools to Align Internal Policies with Regulatory Requirements	Pipeline Operational Excellence
Working with Kinder Morgan to Provide Advanced Leak Detection for HVL Assets	Cybernetics Internal Leak Detection Advancements
Writing Right of Way: Best Practices for Modern Pipeline Easements	Pipeline Stakeholder Engagement & Outreach

[Click here for the latest info](#)