LEADING THE ENERGY EVOLUTION

+ 100 technical sessions, new tracks, diverse industry panels and exhibitors

REGISTER NOW

The entire world is on an extraordinary journey of sustainability. Amidst innovations, challenges, and forward-looking strategies resides the linchpin of the energy evolution – the Oil & Gas industry.

Every day, this industry delivers essential energy across continents, through millions of miles of infrastructure and vehicles, spanning diverse landscapes and climate zones. Not only do these networks deliver safe, reliable energy, they are supported by thousands of workers leading transformative efforts in new technologies, emergent energy sources, workforce development, and safety.
Join us, as industry stakeholders travel to Nashville, Tennessee in May 1-3, 2023 to connect, collaborate, learn, and continue leading the energy evolution.

Leading the Energy Evolution.
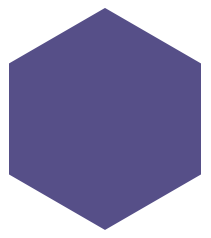
Join us in Nashville.

Just a
Few Highlights

A minority owned JW Marriott Conference & Expo venue strategically located in the heart of Nashville designed to foster connection.

Curated program tracks to improve attendee navigation with ease and excitement!

Multiple keynotes and diverse panels selected to provoke learning, innovation and new insights.

Renewed focus paired with action around Diversity, Equity, Inclusion and Accessibility throughout the entire Conference & Expo.

Exhibit Hall in a central location to promote regular and routine exchanges of information about services & products.

Keynotes

01 May

Keynote
Coming
Soon

02 May

Keynote
Coming
Soon

Featured

02 May

DEI&A Panel
Coming Soon

02 May

The State of
Security Panel
Coming Soon

Click Schedule At A Glance

30	01	02	03
APRIL 2023	MAY 2023	MAY 2023	MAY 2023

| Sunday, April 30	Monday, May 1	Tuesday, May 2	Wednesday, May 3
Registration: 3:00 pm – 5:00 pm	Registration: 6:30 am – 5:00 pm	Registration: 7:00 am – 5:00 pm	Registration: 7:00 am – 12:00 pm
DEI&A Social: 5:00 pm – 7:00 pm (TBD)	Exhibit Hall Hours: 7:00 am – 6:30 pm	Exhibit Hall Hours: 7:00 am – 2:30 pm	Technical Tracks: 8:00 am – 10:00 am 10:30 am – 12:00 pm
	Opening Keynote & Awards: TBD 8:00 am – 10:00 am	Opening Keynote & DEI&A Panel: TBD 8:00 am – 9:30 am	
	Technical Tracks: 10:30 am – 12:00 pm 1:30 pm – 5:15 pm	Technical Tracks: 9:30 am – 12:00 pm 2:30 pm – 5:15 pm	
	Opening Reception: 5:30 pm – 7:00 pm (Exhibit Hall)	The State of Security Panel: 1:30 pm – 2:30 pm	
		Reception: 5:30 pm – 7:00 pm (TBD)	

Explore the Pipeline Tracks

Stakeholder Engagement & Outreach

This track fosters information sharing and engagement around community involvement and multi stakeholder dialogue efforts and tools for continued 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.
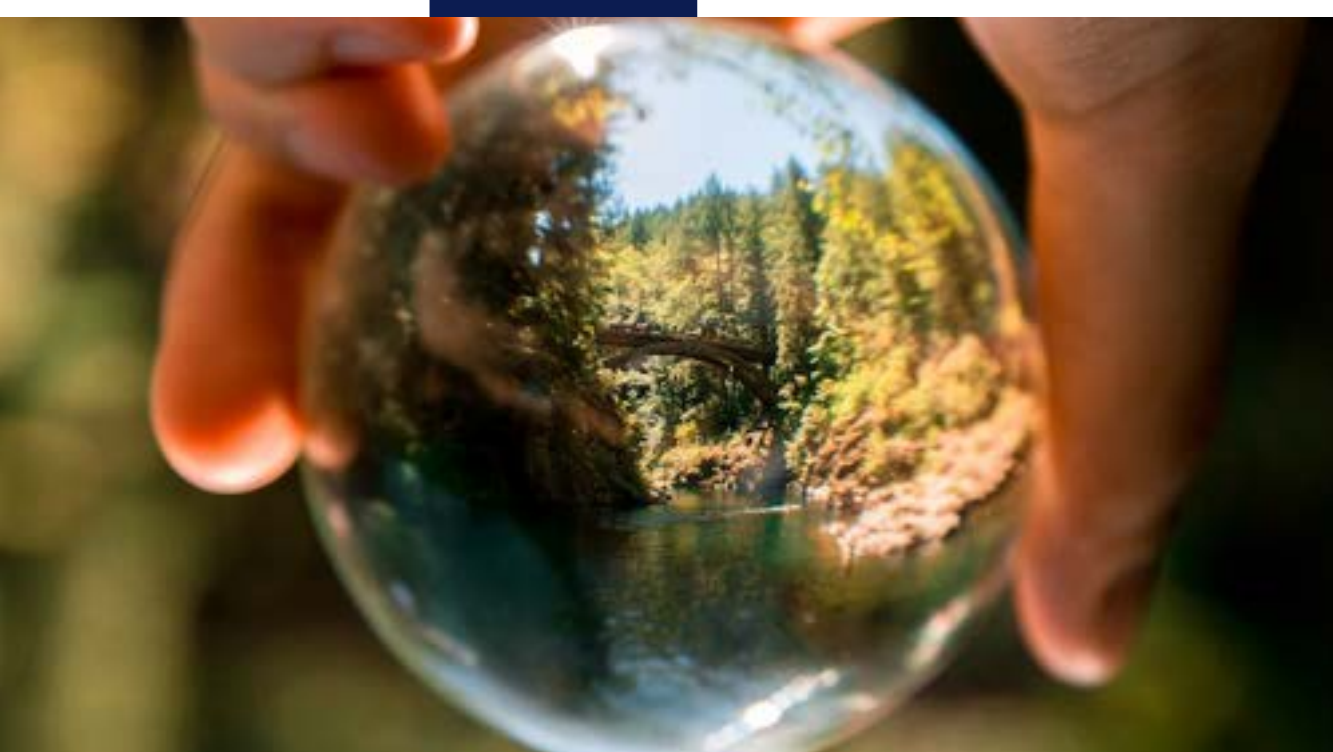
Environmental, Social & Governance

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 habitat management and conservation programs, ESG risks, system hardening and resiliency, carbon capture utilization and storage, methane emission quantification and other sustainable practices by operators.
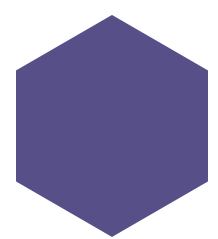
Technology & Innovation

This track highlights operational technologies, tools and other innovations that allow oil and gas 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.

Look! 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, and non-technical soft skill training approaches.

Emerging Tech & the Future Workforce

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, workforce transition, workforce training and skill development, shiftwork transformation, and recruiting techniques.

Alarm Management

This is track discusses the lifecycle of alarms, from identification to alarm monitoring, and management of change with topics concentrated in challenges related to implementation of an alarm philosophy and fulfillment of regulations requiring an alarm management plan. Example topics may include smart alarms, alarm dashboarding and analysis, impacts by Title 49 rupture response procedures, and alarm workload management.
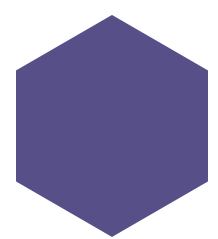
Manual Pipeline Operation & Business Continuity

This track highlights response measures and strategies when faced with frequent natural disasters, challenging infrastructure, or staffing limitations while maintaining operations. Example topics may include preparedness and response to social unrest or pandemics, manual operations due to system operations, controller and staffing continuity strategies, and procedure development insights.

Compliance Best Practices & Audits

This track takes a deep look into control room compliance and effectiveness through the lens of regulatory audits, inspections, investigations and self assessments. Example topics may include: lessons learned from inspection findings, inspection preparation successfully demonstrating compliance, differences between regulator inspections and investigations, and the value of self assessments.

View the Cybernetics Tracks

Cybersecurity

This track explores topics related to the hardening of critical control systems amongst a backdrop of an everchanging cybersecurity landscape where prudent pipeline operators must continually strive to stay ahead of evolving cyber threats and regulations. Example topics may include strategies for responding to TSA Security Directives, contingency planning, redundancy strategies, cybersecurity approaches to legacy systems, and cybersecurity designs.

Leak Detection Advancements

This track examines the roles that different leak detection advancements play in ensuring the pipeline industry exceeds the expectations of the public, businesses and communities. Example topics may include new leak detection technologies, implementation and response to the Rupture Rule, leak detection maintenance and optimization of existing systems, and applications of novel leak detection technology to operations.

SCADA Improvements

This track provides information about key industry improvements to SCADA systems from the processes to technologies. Example topics may include the modernization of SCADA communications, implementations of Human Machine Interfaces, automation of complex operations, and remote access and support tools or practices.

Standards Updates

This track provides updates on industry standards, and recommended practices that support the evolution of current industry practices. Example topics may include new standard applications, practice interpretations and industry standards or practices under review.

Emerging Technologies

This track highlights forward looking technological advancements that will change operational intelligence. Example topics may include drones, energy optimization methods, remote sensing technology and satellite based platforms, virtual and augmented reality, carbon dioxide pipeline monitoring and control innovations.

Workforce Development

This track promotes the sharing of practices or strategies that support the development and preparation of the diverse workforce aimed at strengthening the industry skills of the current and future workforce. Example topics may include control room remote workforce strategies, knowledge retention and accessibility approaches, and internal qualification evaluation practices.
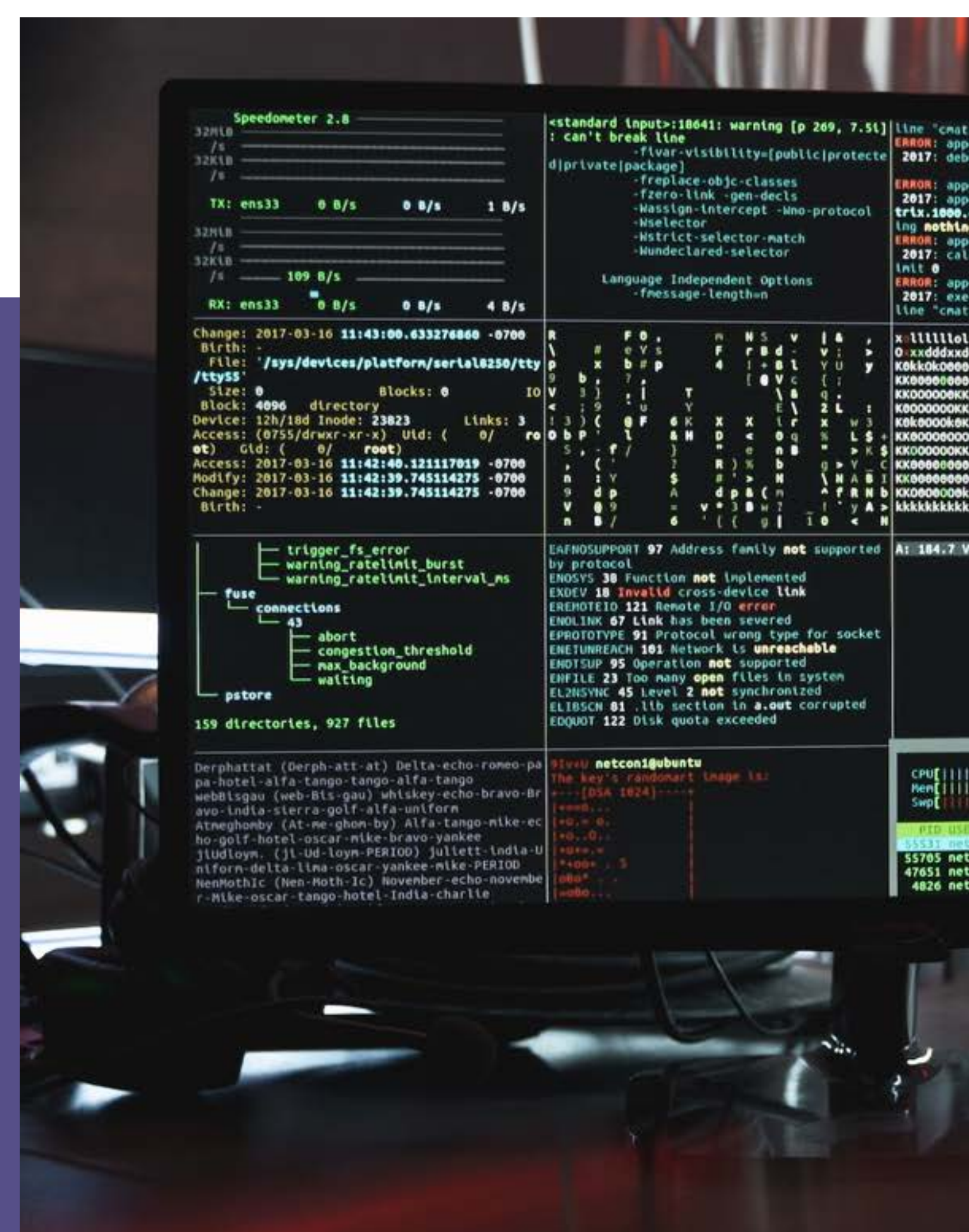
Leading the Energy Evolution.

See you soon.

Attendee Duty of Care: API recognizes the safety of all of those in-person at the2023 API Pipeline Conference and Expo as a top priority. API is committed to following CDC, local government agencies, and the JW Marriott Nashville Covid-19 health and safety guidelines for hosting in-person events. By attending the2023 API Pipeline Conference and Expo in Nashville, Tennessee, 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 JW Marriott Nashville. Your acceptance of the Attendee Duty of Care is a condition of registration and participation in the 2023 API Pipeline Conference and Expo.
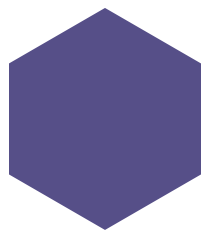
Technical Session Listing

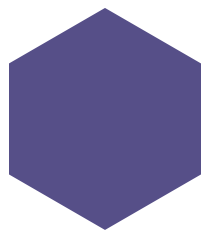| Technical Session	Track
Panel: Hydrogen and CO2 - Expanding Opportunities for the Pipeline Sector	Pipeline	Environmental, Social & Governance
Evolving the Pipeline Landscape	Pipeline	Environmental, Social & Governance
Storage Tank Vapor Assessment	Pipeline	Environmental, Social & Governance
High Consequence Areas: Location Matters	Pipeline	Environmental, Social & Governance
Maximize Sustainability and Safety with Advanced Automation Solutions	Pipeline	Environmental, Social & Governance
Characteristics of Energy Efficient, Low Carbon Intensity Pipeline Systems	Pipeline	Environmental, Social & Governance
ESG Update for the Pipeline Industry	Pipeline	Environmental, Social & Governance
In Situ Sorption/Bioremediation Ideal for Pipeline Releases	Pipeline	Environmental, Social & Governance
Consequence Modeling of Releases from Carbon Dioxide (CO2) Transport Pipelines	Pipeline	Environmental, Social & Governance
Wildland Fire Smoke Plume and Hurricane Forecasting	Pipeline	Environmental, Social & Governance
Real World Use Cases of Oil Spill Modeling in Rivers and Lakes	Pipeline	Environmental, Social & Governance
PFAS Risk Management for Energy	Pipeline	Environmental, Social & Governance
Let's Talk Conservation	Pipeline	Environmental, Social & Governance
Panel: Updates on The Environmental Partnership (TEP)	Pipeline	Environmental, Social & Governance
Panel: Enhancing Contractor Management through PSMS and Safety Culture	Pipeline	Operational Excellence
Pipeline dead legs and potential pressure surges	Pipeline	Operational Excellence
New Gathering Pipeline Regulations An Operator's Perspective to Achieve Operational Excellence!	Pipeline	Operational Excellence
API 1188 – A Strategic Approach to Facility Risk	Pipeline	Operational Excellence
Connecting PSMS With Our Field Work Force [Boots on the Ground]	Pipeline	Operational Excellence
Demonstration of PSMS Voluntary Information Sharing (VIS)	Pipeline	Operational Excellence
Geographic Response Plan for Pipeline Water Crossings	Pipeline	Operational Excellence
What's in Your Audit?	Pipeline	Operational Excellence
Lessons Learned – Are we following through?	Pipeline	Operational Excellence
Developing the Next Generation of Lifesaving Damage Prevention Practices and Metrics	Pipeline	Operational Excellence
Investigation of Facility Microbiological Induced Corrosion Failures	Pipeline	Operational Excellence
Impacts of Updated 49 CFR 192 Requirements for Pipeline Corrosion Control	Pipeline	Operational Excellence
Safe Autonomous Operation of Liquids Pipelines Using Technology	Pipeline	Operational Excellence
Lessons Learned from Girth Weld Failures of Newly Constructed Pipelines and Industry Responses	Pipeline	Operational Excellence

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Technical Session Listing

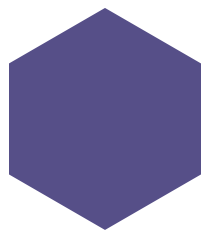|	
Tyranny of TRIR as a Measure of Safety Performance	Pipeline | Operational Excellence
A Regulatory Compliance Management Process to Enhance Pipeline Safety and Compliance	Pipeline | Operational Excellence
Efficiently Achieve TVC Compliance	Pipeline | Operational Excellence
Improvement in Hydrotest Procedure and Practice at Phillips 66	Pipeline | Operational Excellence
SMS: Making It Work!	Pipeline | Operational Excellence
Applying API 1173 to Assess Controls related to New Regulations	Pipeline | Operational Excellence
Waterway Modeling is Key in Determining Impacts or Proper Remediation	Pipeline | Operational Excellence
Stakeholder Engagement Meets Conservation Matters	Pipeline | Stakeholder Engagement & Outreach
Opportunities in Public Awareness Outreach	Pipeline | Stakeholder Engagement & Outreach
Guidance for Forming Industry User Groups to Enhance Innovation and Collaboration	Pipeline | Stakeholder Engagement & Outreach
The Difference in Today's RP 1162	Pipeline | Stakeholder Engagement & Outreach
Panel: RP 1185: What Is It and How Will It Help?	Pipeline | Stakeholder Engagement & Outreach
Protecting the Public and Earning Their Trust: Mitigating Agricultural Risk	Pipeline | Stakeholder Engagement & Outreach
Engagement – art or science?	Pipeline | Stakeholder Engagement & Outreach
Modernizing Stakeholder Communications and Engagement	Pipeline | Stakeholder Engagement & Outreach
Do You Really Know Your Pipeline Route?	Pipeline | Stakeholder Engagement & Outreach
Application of Volatile Corrosion Inhibitors (VCI)	Pipeline | Technology & Innovation
Improvement of ILI Sizing Accuracy for Problematic Corrosion Profiles (PHMSA Project)	Pipeline | Technology & Innovation
Integrated External Corrosion Management - Using Digital Twins	Pipeline | Technology & Innovation
Further Advances in DAS for Ground Subsidence and Temperature Monitoring	Pipeline | Technology & Innovation
Visualization of Geohazard Movement Assessments Using Google Earth	Pipeline | Technology & Innovation
In-Line Inspection Performance for Mechanical Damage with Coincident Features	Pipeline | Technology & Innovation
Reshaping geohazards	Pipeline | Technology & Innovation
Integrity Data in BI Dashboards Drives Engineering Insights and Program Performance	Pipeline | Technology & Innovation
Essential Elements and Guidelines to Perform a Dent Engineering Critical Assessment	Pipeline | Technology & Innovation
Nondestructive Testing for Toughness of Vintage ERW Pipes	Pipeline | Technology & Innovation
Using Digital Image Correlation Technology To Enhance Learnings From Traditional Pipeline Integrity Testing	Pipeline | Technology & Innovation
Advances Considering Technology Readiness, Regulations, and Commercialization	Pipeline | Technology & Innovation
Recent Advances in Automated Threat Detection and Reporting On Routine Aerial Patrol	Pipeline | Technology & Innovation

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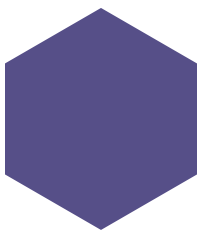|	
Dent Fatigue Life Assessment – Proposed Modifications to API RP 1183	Pipeline | Technology & Innovation
Regulations and Integrity Requirements of Supercritical CO2 Pipelines	Pipeline | Technology & Innovation
Satellite Remote Sensing Data Analytics for Operational Monitoring of Pipeline System	Pipeline | Technology & Innovation
Unprecedented Insight into In-Line Inspection Analytics	Pipeline | Technology & Innovation
Effects of Surface Loading on Pipeline Integrity	Pipeline | Technology & Innovation
The Road Ahead for Pressure Cycling: A Pressure Cycling Fatigue Analysis Application	Pipeline | Technology & Innovation
Impact of CO2 Impurities on Corrosion of Pipelines Transporting Dense Phase CO2	Pipeline | Technology & Innovation
Considerations for Crack ILI Response in Hazardous Liquids Pipelines	Pipeline | Technology & Innovation
Know Your Pipeline with UHR MFL/Cal ILI	Pipeline | Technology & Innovation
Girth Weld Reinforcement with Type B Sleeves	Pipeline | Technology & Innovation
Potential Safety and Integrity Challenges of Hydrogen Pipelines Subjected to Geohazards Loading	Pipeline | Technology & Innovation
Using Satellites for Enhanced Leak and Risk Id., ESG Performance, Compliance & Trust	Pipeline | Technology & Innovation
Damage Prevention and ROW Integrity 2.0 : Analysis of First Multi-operator Operational Campaign	Pipeline | Technology & Innovation
Pipeline Integrity and Leak Detection Verification and Validation Advancements	Pipeline | Technology & Innovation
GIS Technologies for Responsive Pipeline Engineering and Design	Pipeline | Technology & Innovation
Pipeline Stacked Cracks Interaction Burst Pressure Analysis Using 3-D Crack Meshes	Pipeline | Technology & Innovation
Operational Digital Platforms for Offshore Operators	Pipeline | Technology & Innovation
How to integrate Operator Qualification (OQ) into your O&M Competency Management Program	Pipeline | Workforce Development
The Science of Safety Training; Defining The Fundamental Drivers of Adult Learning	Pipeline | Workforce Development
'Moving from task-based to competency-based talent management: Case Study'	Pipeline | Workforce Development
The Normalization of Excellence: A Critical Success Model	Pipeline | Workforce Development
Panel : Interpreting the Recently Updated PHMSA Operator Qualification Frequently Asked Questions	Pipeline | Workforce Development
The Future is Now: Modern Recruitment and Retention Strategies to Create and Maintain a Diverse and Equitable Workforce	Pipeline | Workforce Development
Roundtable on Cybernetics	Cybernetics | Cybersecurity
Real-Time Data Distribution for Improved Leak Detection and Operational Intelligence in Pipeline Operations	Cybernetics | Cybersecurity
Panel on Cyber Security	Cybernetics | Cybersecurity
Midstream Cyber Security Risk-Based Controls	Cybernetics | Cybersecurity
Achieving the next level of pipeline intelligence through Virtual Competency Teams	Cybernetics | Emerging Technologies
A Forty Year Perspective on Pipeline Leak Detection Technologies, Recommended Practices and the Evolution of Current Regulations	Cybernetics | Leak Detection Advancements

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Pipeline Leak Evaluation and Management	Cybernetics	Leak Detection Advancements
RTTM based Leak detection system for Energy transition	Cybernetics	Leak Detection Advancements
Monitoring of High Pressure Gas Pipelines using Fiber Optic Sensing	Cybernetics	Leak Detection Advancements
Advantages of Machine Learning-Enhanced Leak Detection over Basic Line Balance	Cybernetics	Leak Detection Advancements
API RP 1175 impact on Transpetro's Leak Detection Program	Cybernetics	Leak Detection Advancements
Enabling Pipeline Monitoring Through the Retrofit of Cable-Based Technologies	Cybernetics	Leak Detection Advancements
Realtime Transient Modeling for Gas Pipelines	Cybernetics	Leak Detection Advancements
Leak Detection Key Performance Indicators and Metric Report Creation	Cybernetics	Leak Detection Advancements
How to replace CPM pipeline leak detection systems effectively?	Cybernetics	Leak Detection Advancements
Leveraging Knowledge Management in the Optimization of the Display Lifecycle	Cybernetics	SCADA Improvements
The Good, the Bad and the Grey Screen: A Human Factors Approach to SCADA HMI Design and API RP 1165 Compliance	Cybernetics	SCADA Improvements
Understanding and Teaching Hydraulics to Improve Controller Performance in Identifying Pipeline Leaks.	Cybernetics	Workforce Development
Dissecting Alarm Management Definitions	Control Room	Alarm Management
Simplifying Effective Control Room Alarm Management	Control Room	Alarm Management
Alarm Segregation and Rationalization Strategies Deployed for Control Room Effectiveness	Control Room	Alarm Management
How Technology and the New Innovated Control Room will Change our Future	Control Room	Alarm Management
Roundtable on Control Room Management Practices	Control Room	Compliance Best Practices & Audits
Trends in Controller Workload Over the Years	Control Room	Compliance Best Practices & Audits
Ensuring CRM Plan Compliance and Effectiveness	Control Room	Compliance Best Practices & Audits
Effective Scheduling to Maintain Operations	Control Room	Compliance Best Practices & Audits
Improving Display Development in ICS through a Formal Display Life Cycle	Control Room	Compliance Best Practices & Audits
Control Room Management Audit Preparation and Effectiveness	Control Room	Compliance Best Practices & Audits
Reducing cost of point to point checkouts	Control Room	Compliance Best Practices & Audits
CRM Program – Internal Effectiveness Evaluations	Control Room	Compliance Best Practices & Audits
Transform Your Control Room into the future with RIPA Technology	Control Room	Emerging Tech & the Future Workforce
Transpetro´s new concept of a logistics integrated Control Center	Control Room	Emerging Tech & the Future Workforce
CRM as the Controller Assistant – Collaboration and Compliance	Control Room	Emerging Tech & the Future Workforce
Securing the gas supply and making the industry sustainable with advanced technologies	Control Room	Emerging Tech & the Future Workforce
How Alarm Management Has Evolved and What Does the Future Hold	Control Room	Emerging Tech & the Future Workforce

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Technical Session Listing

Manual Operations	Control Room | Manual Pipeline Operation & Business Continuity
Challenges and Lessons Learned of Implementing an Operations Continuity Plan	Control Room | Manual Pipeline Operation & Business Continuity
CRM Program – Teams Training Examples	Control Room | Team Training
Realtime Dataset Transfer for Offline Training and Predictive Modeling	Control Room | Team Training
Improving the Effectiveness of Team-Based Leak Detection Alarm Response	Control Room | Team Training
Who should be the focus of Control Room team training – the people that control the assets, or the people that may provide key information and decision-making input?	Control Room | Team Training
"Can Everyone See My Screen?" Lessons Learned Conducting Virtual Team Training	Control Room | Team Training
Roundtable on Leak Detection	Cybernetics | Leak Detection Advancements