



American  
Petroleum  
Institute



# 2026 PIPELINE CONFERENCE & EXPO

PIPELINE, CONTROL ROOM AND CYBERNETICS

PROGRAM  
GUIDE

**APRIL 27- 29, 2026**

Gaylord Rockies Resort & Convention Center  
Aurora, Colorado



# GOOD BUSINESS & GREAT RESULTS

Join over 1,000 industry professionals in Aurora, Colorado from April 27-29, to connect, collaborate, and learn together.

In today's dynamic environment, the consistent call for greatness within the oil and gas presents a dual challenge: safely and responsibly meeting persistent global energy demand while simultaneously in pursuit of innovating towards a lower-carbon future for our communities. This perspective casts the industry's significant resources, expertise, and infrastructure as crucial assets for continuing to safely operate and build a more sustainable and resilient energy ecosystem. The adoption of the 'Good Business & Great Results' mindset – is essential for long-term navigation of energy innovation, market dynamics, and sustained growth across the globe.

Join us as we examine industry's "call for greatness" through topics ranging from artificial intelligence, operational excellence and stakeholder engagement to workforce development amidst volatile markets. Industry will continue to answer the global invitation to lead a collaborative, pragmatic, and profitable energy evolution – **Good Business & Great Results.**

A Few

# HIGHLIGHTS and WHY YOU SHOULD NOT MISS IT!



## A MARQUEE OIL & GAS INDUSTRY PROGRAM

made easy for attendees to navigate by tracks and interests.



## CENTRALLY LOCATED EXHIBIT HALL

with top service providers and suppliers educating attendees on latest products and services.

Build your **KNOWLEDGE & EXPERIENCE FOR FUTURE OPPORTUNITIES** that show engagement within a specific field of work.



Present your ideas and work to others, while getting feedback and potentially **NEW PERSPECTIVES** for continuous improvement.



## Acquire **INSIGHTS INTO THE LATEST TRENDS AND TECHNOLOGIES**

that are crucial for a successful business.

# MEET OUR KEYNOTE SPEAKERS



*Walter Nusbaum*  
President of The Nusbaum Group

Walter Nusbaum is a leadership consultant, executive coach, keynote speaker, and author whose work centers on one defining idea: the Normalization of Excellence. Inspired by the ancient Greek concept of Arete—the pursuit of excellence as a way of life—Walter helps leaders and organizations raise their internal standards, so excellence becomes the expectation, not the exception.

As President of The Nusbaum Group, he works with leaders across the energy and industrial sectors to build high-performance cultures, strengthen leadership effectiveness, and drive employee engagement through mastering communication, personal accountability, and practical culture-shaping frameworks. Walter and his wife Stacey, his partner in business and life, have four grown children, two grandchildren, and live in Denton, Texas.



*Mark LaCour*  
Founder and Editor-in-Chief of the Oil and Gas Global Network (OGGN)

Mark LaCour, a 25-year veteran of the Oil and Gas industry, is the founder and Editor-in-Chief of the Oil and Gas Global Network (OGGN), home to the world's most listened-to oil and gas podcasts. His sales acumen, which resulted in over \$305 million in deals, spans across continents—from the North Sea to Brazil.

Beyond the mic, Mark's market research expertise and commitment to value delivery have left a huge mark to society. As a public speaker, author, and STEM educator, he continues to shape the industry and inspire others.

# SCHEDULE AT-A- GLANCE

**NEW!**  
Pipeline, Cybernetics, and Control Room topics expanded from 1.5 days (Pipeline, then Cybernetics/Control Room) to a **fully combined 2.5 day Program covering all tracks.**

SUNDAY APRIL 26	MONDAY APRIL 27	TUESDAY APRIL 28	WEDNESDAY APRIL 29
3 - 6 PM REGISTRATION <i>Adams Prefunction</i>	6:30 AM - 5 PM REGISTRATION <i>Adams Prefunction</i>	6:30 AM - 5 PM REGISTRATION <i>Adams Prefunction</i>	7 AM - 12 PM REGISTRATION <i>Adams Prefunction</i>
EXECUTIVE ROUNDTABLES <i>Invite Only</i>	7 AM - 6:30 PM EXHIBIT HALL OPEN	7:30 AM - 2:40 PM EXHIBIT HALL OPEN	8 AM - 12 PM TECHNICAL TRACKS <b>NEW!</b> PIPELINE, CONTROL & CYBERNETICS
5 - 6:30 PM WELCOME APPRECIATION RECEPTION <i>Invite Only</i>	DAY 1 OPENING KEYNOTE + SAFETY AWARDS <i>Aurora Exhibit Hall 3</i>	DAY 2 KEYNOTE <i>Aurora Exhibit Hall 3</i>	12 PM CONFERENCE & EXPO ADJOURNS
	TECHNICAL TRACKS <b>NEW!</b> PIPELINE, CONTROL & CYBERNETICS	TECHNICAL TRACKS <b>NEW!</b> PIPELINE, CONTROL & CYBERNETICS	
	5:30 - 6:30 PM WELCOME RECEPTION <i>Exhibit Hall: A Adams Ballroom B - D</i>	5:30 - 7 PM NETWORKING RECEPTION <i>Adams Terrace</i>	

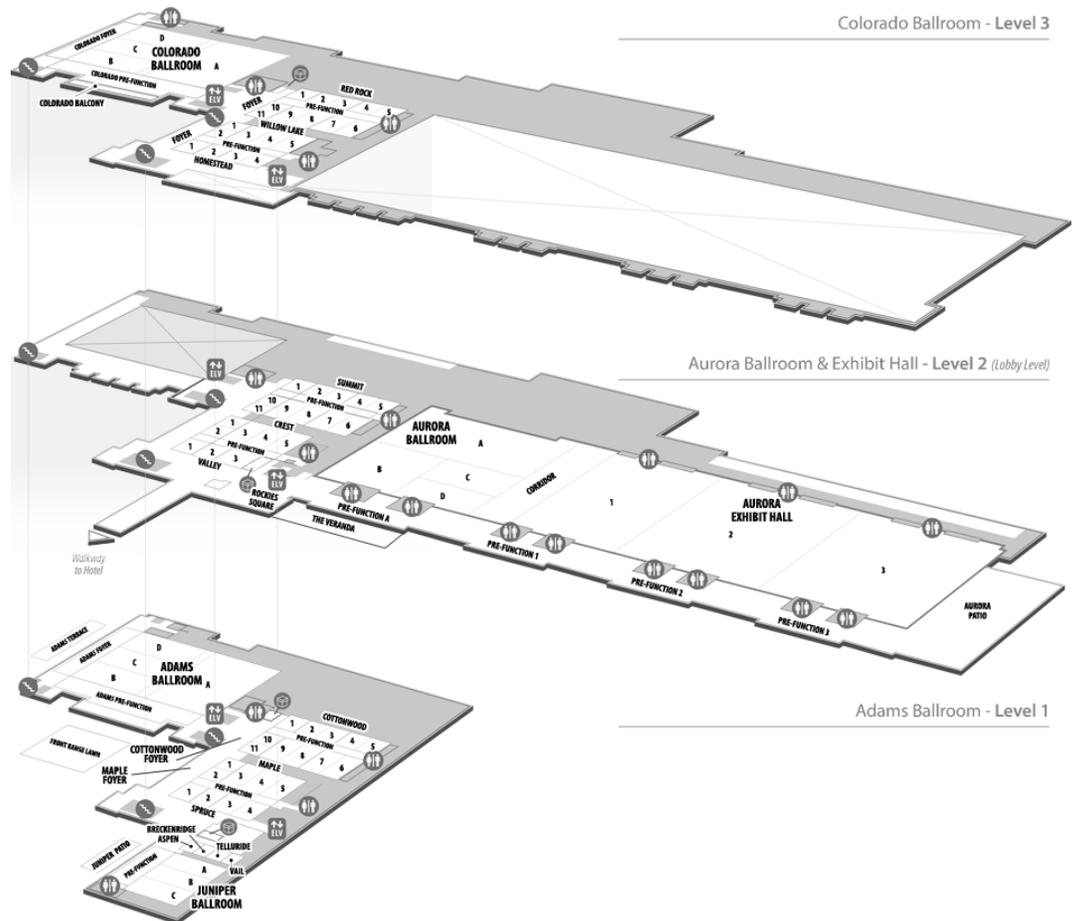


# EXPLORE THE CONFERENCE FLOOR PLAN AND VENUE LAYOUT

Settle in and get acquainted with your conference home for the next few days—where inspiring content, valuable networking, and meaningful connections come together.

Nestled just outside of Denver in Aurora, the Gaylord Rockies Resort & Convention Center offers a dynamic setting for our time together, with expansive meeting space, beautiful Rocky Mountain views, and everything you need under one roof.

Registration is located in Adams Prefunction on Level 3, where you'll also find the main breakout rooms and networking spaces.



Coffee breaks, food functions, and sponsor/exhibitor activity will take place in Adams Ballroom B on Level 3 as well.

For the two General Sessions, head up to the Aurora 3 Ballroom on Level 2.

**Please check your session schedule for specific room assignments and times. We can't wait for a productive and engaging few days together.**



REGISTERED  
ATTENDEES CAN  
SEE FULL SCHEDULE  
& LOCATIONS IN  
CONFERENCE APP

## 2026 API PIPELINE CONFERENCE & EXPO

# TECHNICAL SESSIONS

### GENERAL SESSION

*will be held in Aurora Exhibit Hall 3*

### STAKEHOLDER ENGAGEMENT & OUTREACH

This track promotes 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.

### TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Panel: RP 1185 Operator Implementation Journeys	Aron Velasquez	Marathon Pipe Line LLC
Stakeholder Engagement Across the Enterprise: Integrating RP 1185 Into Everyday Decision-Making	Allison Stowe	Phillips 66
Response Ready: The Realities of Reporting an Emergency	Lindsay Sander	Sander Resources / Buxus
The AI Advantage: Next-Level Public Awareness	Lindsay Sander	Sander Resources / Buxus
The First 15 Minutes: Aligning Agency Response when it Matters Most	Lindsay Sander	Sander Resources / Buxus
Information Transparency and Sharing – The Key to Better Public Awareness and Engagement	Carl Weimer	Pipeline Safety Trust
First Impressions, Lasting Trust: A Pipeline Playbook for Public Engagement	John Davies	Davies Public Affairs
Early and Effective Community Outreach to Prevent Opposition in Pipeline Projects	Curtis Wilkerson	Orion Strategies
Recent Developments in Pipeline Permitting and Assessments to Consider Additional Concerns	Matt Horn	Tetra Tech

## PIPELINE OPERATIONAL EXCELLENCE

This track explores how oil and gas pipeline leaders operate their assets safely, reliably, sustainably and cost effectively from safety performance improvements to best-in-class standards and systems. Example topics may include processes for identifying high consequence areas, in line inspection lessons learned, pipeline safety management systems, safety culture, management of change, remediation for risk reduction for asset, and operational and enterprise risk management.

### TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Unfreezing the Frozen Middle: The Roadmap to Middle Manager Buy-In	Sharon Lipinski	Habit Mastery Consulting
Enhancing Historical Pipeline Centerline Accuracy Using Aerial Imagery, GPS, ILI Surveys, & APR	James McGinty	Entrust Solutions Group
	Timothy Goodall	Southern Star Central Gas Pipeline
	Jonathan Tabor	
Impact of ON/OFF Frequency and Duration on Piping Integrity	Zhenjin Zhu	Altamira-US, LLC
	TK Atkins	
Operational Excellence Beyond Compliance: Observations of a Pipeline Safety Auditor	Sam Hollenbaugh	Entrust Solutions Group
LEARNING FROM OTHER INDUSTRIES	Andrew Dingee	System Safety
Pigging Previously Unpiggable Pipelines	Jason Weiss	Argus
	Alisdair Blackley	
Modernizing Pipeline Operations Through Automated Pigging	Alisdair Blackley	Argus
	Shayne Gambhir	
Management System Design Considerations for Small, Medium, and Large Pipeline Operators	Eric Grant	Applied4Sight
	Marc Jean	
Driving Safety Behaviors & PSMS Engagement in Pipeline Operations through Intent Based Leadership	Andrew Jordan	National Grid
	Peter Russian	Intent-Based Leadership International
Strengthening Operational Integrity – Effective Management System Program – Staying “Audit Ready”	Bryn Womack	ExxonMobil Pipeline Company
Practical Application of Quantitative Risk Analysis in Integrity P&M Programs	Eric Coyle	Integrity Solutions Ltd.
Utilizing a Management System to Optimize Asset Integrations	Mark Jean	Applied4Sight
	Eric Grant	
Pipeline Optimization Playbook: Boosting Capacity with Confidence	Jeremy Fontenault	Tetra Tech
Automated Flowrate Optimization for Gathering System Nomination Maximization	Adam Marsden	CruxOCM
SDV of Pipelines – Safety Requirements and Management of Automatic Operations	Ricardo Silva	Nova Transportadora do Sudeste S.A - NTS
	Ivana Luthi	
	Carlo Saggio	
Pipeline Mechanical Protection: HDPE as an alternative to Concrete Slab	Mohamed Ali Abdullah	PETRONAS
Improved natural gas accounting through managed balance areas, plus satellites	R. Peter Weaver	Orbital Advisors
Constellations and solutions: pipeline patrol, classification, leak detection & monitoring – for you	R. Peter Weaver	Orbital Advisors
Practices to maximize efficiency in pipeline systems	Bruno Ebecken	Petrobras Transporte SA TRANSPETRO
	Ediney Sopper	

Comprehensive Realtime Batch and Density Tracking for Liquid Pipeline Systems	Max Martinez	Atmos International
	Daena Schumacher	Energy Transfer
Technical Assessment of AC/DC Interference on Buried Pipelines for IMP models	Ryan Buchs	Entrust Solutions Group
From Human Error to Human Reliability: A Strategy for Consistent Quality	Andrew Dingee	System Safety
Preventing the Next Catastrophe: How Satellite and AI Are Tackling the Rise of Third-Party Risks	Mike Radich	LiveEO
Gathering Pipeline Schedule Optimization by Integrating SHERPA Algorithm and Hydraulic Analyses	Li Min Zhang	Plains All America
Authorization and Control of Safeguard Defeats in High-Risk Environments	BrynWomack	ExxonMobil Pipeline Company
Simple no non-sense data integration for corrosion, integrity and corrosion risk management.	Pankaj Tsandon	Praemia Inc.
	Victor Romero	
Regulatory Rhetoric and What Changes Mean for You	Nicole Tebow	Elemental Compliance
Managing Change: A Case Study on Organizational Change, and Management System Implementation	Ryan Manabat	South Bow
	Chris Host	
Optimizing Drag Reducer Agent (DRA) Injection in Batch Transportation of Intermediate and Light Crud	Eduardo Arevalo	Flowchem LLC
PSMS API RP 1173 Update, Assessment Program, 2024 Benchmarking, and Industry Updates	Colin Frazier Laurie Knape	API
ILI Tool Capabilities for Challenging Pipelines: Looking Beyond the Spec Sheet	Geert Bontekoe	Geert Bontekoe
Corrosion at pipe supports: Causes and solutions	Steve Young	I-Rod by Deepwater Corrosion
Bridging the Gaps: How an Operations Management System Drives Pipeline Safety and Excellence	Russel Treat	EnerSys Corporation
Integrated Batch and DRA Tracking System with Data-Driven Modeling of DRA Effectiveness	Hossein Shahandeh	Venturi

## ENVIRONMENTAL, STEWARDSHIP

This track provides industry insights into current and emerging strategies, innovations, and leading practices in environmental stewardship. Topics may include advancements in energy diversification, conservation initiatives, methane emissions reduction and quantification, and sustainable operational practices that drive measurable improvements across air, land, and water resources.

## TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Modelling Hydrocarbon Overland Flow and Hydrographic Transport Using ArcGIS Pro and Cloud Computing	Kristopher Kerr	NTS
Was it Worth It? Explore voluntary mitigation from industry, agency, and nonprofit perspectives.	Joe McGaver	Stantec
	Clint Miller	The Conservation Fund
	Holly Neill	
Advancing Nature-Positive Pipeline Operations with the Species EcoUSA Refresh	Regan Smyth	University of Alberta
Identification & Protection of Sensitive Receptors	Jason Phillips	Phillips 66 Company
ABCs of Habitat and Nature on Rights-of-Way: From Applied Research to Valuable Resources	Caroline Hernandez	ExxonMobil

## TECHNOLOGY, ARTIFICIAL INTELLIGENCE & 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, control room technologies, artificial intelligence, implementation of API RP 1165, emergency responder applications and emerging fuel developments.

### TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Real Time Tracking of PIGs and Pressure Waves using Fiber Optic Sensing	Alex de Joode	AP Sensing
Dynamic Bayesian networks with what-if analysis for underground pipeline external corrosion	Gang Zhang	University of Maryland, College Park
	Nii Attoh-Okine	
Evaluating the Impact of AGM availability on Bending Strain Accuracy Usin IMU ILI Data	Ariel Balsamo	NDT Global LLC
	Justin Harkrader	Shell Pipeline Company
In-Ditch Validation of Pipeline Hardspots	Sri Chimbli, PE	Stress Engineering Services Inc.
Real-Time Pipeline Screening in Long-Distance Pipelines Using Friction Mapping	Mason Nasizadeh	Seismos
Case Study: Resolving Pig Passage Failures Through Controlled Acoustic sensing in an NGL Pipeline	Mason Nasizadeh	Seismos
Introducing ChemiSense Amine Residual Field Test Kit	Rick Sugden	ReSpark Innovations LLC
Bridging Field Operations and Digital Intelligence: A Roadmap for Pipeline Integrity Digitalization	Jane Onu	Colorado School of Mines
From Manual Pigging to Predictive Integrity: Lessons from African Gas Pipeline Operations	Jane Onu	Colorado School of Mines
Enhancing Decision Quality and Speed through Agentic AI	Ty Jenkins	Chevron
Leveraging ArcGIS Pipeline Referencing with Existing Data Models	Ronald Palazzetti	ENTRUST Solutions Group
High-Resolution Direct Imaging of SCC-Pitting, Weld Lack-of-Fusion, and Laminations	Corey Richards	DarkVision
Integrating Optimizers into Autonomous Pipeline Control	Monika Wasylkiewicz	CruxOCM
Leveraging Grooving Factor for Enhanced ILI SSWC Identification	Alberto Zepeda	ROSEN Group
Build Better Together with AI-Powered Utility Mapping	Joe Eberly	4M Analytics
Leveraging In-Ditch Technologies to Expand Pipe Toughness Datasets for In-Service Assets	Simon Bellemare	MMT
Closed-loop Automation for Revenue and Throughput Maximization on Existing Pipeline Infrastructure	Pi Huang	CruxOCM
UAS Magnetic Depth-of-Cover Survey in Rapids	Nathan Leslie	Skipper NDT
Rapid, Non-Intrusive Pipeline Baseline Mapping to Enhance Public Safety in Urban Slope Hazards	Nathan Leslie	Skipper NDT
Transformer AI for Pipe Grade Verification Under 49 CFR 192.607: Complementing NDE	Tristan MacLeod	Kiefner & Associates
	Rick Sugden	
Artificial Intelligence in Gas Commercial Business: A Maturity Model for Turning Data into Decisions	Martha Rendon	Emerson Automation Solutions
	Ryan Thompson	
An ISO-Compliant Data Validation Tool For Real-Time Hydraulic Modelling & Leak Detection	Andrew Bowe	DNV
The Integrity Copilot: A Prototype for AI-Assisted Decision Support in Oil & Gas	Marcilio Torres	ROSEN

Beneath The Surface 3D Offshore Pipeline Visualization and Pipeline Integrity Assessment	Mohamed Ali Abdullah	PETRONAS
Fungible Pipeline Scheduling – Overview and Benefits	Dieter Sticht	Emerson
Efficient Risk Prioritized Inspection with ML to Achieve Data Completeness	Anton Fadic	Irth Solutions
AI-Enhanced Hydrological Risk Modeling: Operator Perspectives for Pipeline Resilience	Jake Opdahl	Teren
The 90% Problem: How Decision Intelligence Is Redefining Pipeline Vegetation Management	Kris Covey	Barr Geospatial Solutions
DFOS Intrusion and Integrity Monitoring: Practical Deployment, Alarm Protocol, and Early Learnings	Sean Sullivan	Hifi Engineering
	Ehsan Jalilian	
Development and Implementation of a State-of-the-Art Seam Weld Fatigue Cracking Integrity Management	Miguel Martinez	Quest Integrity
	Michael Turnquist	
An Engineering-Based Approach to Seam Weld Corrosion Management	Michael Turnquist	Quest Integrity
Enterprise Data Convergence: Centralized Architecture for Pipeline Operational Intelligence	Matthew Vana	Streamline Control
The Next Generation of Dent Prioritization, Leveraging ILI Gouge Classification Technology	Dane Burden	T.D. Williamson
Ultrasonic Mode Imaging – Noninvasive Interrogation of Inaccessible Piping	Steve Ziola	Antech Systems, Inc.
Improving Emergency Response Preparedness Through Gamification and Generative AI	Russel Treat	EnerSys Corporation

## 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, control room training, Operator Qualification (OQ) and inspector certification programs, establishing competency based learning programs, using technology to train such as implementation of API RP 1165, and expanding formal training to include knowledge-based workers.

## TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Human Behavioral Aspects on Operator Training System: A New Approach (Part II)	Fabio Limeira	PETROBRAS TRANSPORTES S/A
	Rodrigo Mourão	
Effective Training for Today's Workforce	Alicia (Ali) Gibson	Pipeline Performance Group, LLC
Effective Ways to Check the Health of Your O&M Training Program	Trish Thomason	Integrity Solutions Ltd.
	Vickie Cain	
From Day One to Deployment: Proven Tactics for Onboarding Field Engineers with Impact	Hayley Ryan	ExxonMobil
Using NTSB Accident Reports as Case Studies to Train Controllers	Tom Miesner	Pipeline Knowledge & Development
Advancing Pipeline Workforce Competency via Integrated Skills and OQ Frameworks	James Kelly	Delek US

## LOW CARBON ENERGY OUTLOOK

This track explores the topics associated with the safe and efficient transportation and storage of carbon dioxide (CO<sub>2</sub>), hydrogen (H<sub>2</sub>) 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 CO<sub>2</sub> and low carbon fuels.

## TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Steady-state and Transient modelling of CO <sub>2</sub> pipelines, with a focus on hydrate formation	Divyesh Mistry	Stantec
New Welding Requirements for Hydrogen Pipelines	Kenneth Lee	DNV
From Point Sources to Storage Hubs: Building North America's CO <sub>2</sub> Infrastructure	Waleed Al Madhoun	Arculus Solutions, Inc.
Dense Phase CO <sub>2</sub> Regulations Roundtable	Rob Klein	ENTRUST Solutions Group
Hydraulic Evaluation of RNG Injection into An Existing NG Transmission and Distribution System	Guohua Li	Enbridge
Probabilistic Reliability Assessment of CO <sub>2</sub> Pipelines	Kristian Olsen	NatureServe
Pipeline Operations: Practical Control Room Insights for Managing Phase Boundaries and Transients	Paul Dickerson	Antea Group
Multi-Layer Barrier Coating to Retrofit NG Transmission Pipelines to Safely Transport CO <sub>2</sub> or H <sub>2</sub>	Gianluca Roscioli	University of Illinois Chicago

## CONSTRUCTION

This track offers a forum to share best practices, discuss challenges, and communicate lessons learned during construction activities that occur over the lifecycle of pipeline assets. Example topics include project management (including scope, schedule, supply chain, quality, safety, environment, and cost management), new construction, commissioning, major maintenance activities, and contract management. It also highlights trenchless technologies in ascending order of complexity and control, such as auger boring, pipe hammering, direct steerable pipe thrusting, horizontal directional drilling (HDD), and microtunneling.

## TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Methodology for Prioritization and Resource Allocation in Non-Matrix Engineering Organizations	Raquel Holsbach	Black & Veatch
	Rafael Gomes	NTS
	Vinicius Oliveira	
Risk-Based Alternatives Analysis for Mitigating Pipeline Exposure in Geohazard-Prone Areas	Eric Allen	Flowchem
Full-Scale Testing of Geobuffer for Mitigating Pipeline Failure at Fault Crossings	Javad Mirzaei	Stress Engineering Services Canada
	Ali Fathi	ALFA Upgrades
	Ali Imanpour	University of Alberta
A Simplified Procedure for Evaluating Blasting and Pile Driving Activity Near a Buried Pipeline	Fan Zhang	PT Pertamina Gas
The implementation of project fundamentals to guide midstream small projects	Fazal R.Mirza	PT Pertamina Gas
Bridging the Gap in Holiday Testing for FBE Pipeline Coatings	Drayton Adkins	DNV
Cost analysis of common methods for pipeline capacity expansions	Jefferson Linantud	Air Liquide
Correlation Between Fatigue Life and Pipeline Ovalities Based on In-Situ Inspection Data and FEA	Kenny Farrow	Energy Transfer

Maintaining Pipeline Operational Excellence by Implementing Pipeline Integrated Safety Architecture	Foreman Lois Alberto Nainggolan	Enivibes
	Arie Arlianto	PT Pertamina Gas
	Rizki Hidayatullah	
Ensuring Operational Excellence of Transmission Pipelines During Underpass Tunnel Road Construction	Foreman Lois Alberto Nainggolan	Enivibes
	Rakhindro Pandhu Mahesworo	PT Pertamina Gas
	Imam Ramadhan	PT Pertamina Gas

## CYBERNETICS – LEAK DETECTION ADVANCEMENTS

This track aims to showcase emerging technologies and advancements for leak detection systems. Example topics may include uses cases in areas of internal and/or external leak detection systems, detection accuracy and proactive maintenance, new implementations in live environments, predictive analytics, smart algorithms, inventive applications of detection tools, and next level improvements to existing technologies.

### TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Leak Detection Strategies Discussion	Samuel Morfenski	Flowstate Solutions
	Chirag Patel	
Next-Generation Vibroacoustic Technology: Field Validation for Real-Time Pipeline Monitoring	Marco Marino	Venturi Engineering Solutions Inc
Evaluation of the Sensitivity of RTTM Leak-Detection Systems in a Shut-In CO <sub>2</sub> Transmission Pipeline	Hamed Ghasvari Jahromi	PipeSense
	Fatemeh Ekram	Vanmok Leak Detection Technologies
Examples of Achieving Leak Detection Improvement Through Operational Changes	Angie Schrader	Integrity Solutions Ltd.
API RP 1175 Continuous Improvement CPM for Ethylene & Ethane Pipelines	Matthew Savidge	University of North Dakota Energy & Environmental Research Center
	Timothy Whiddon	Boardwalk Pipelines
Advancing Leak Detection in Compressible Ethylene Pipelines Using Machine Learning	Braden Fitz-Gerald	Phillips 66
Implementation of External Leak Detection Technologies	Cesar Montilla Perez	Atmos International
	Tyson Schielke	Enbridge Inc
Advancing Leak Detection in Supercritical CO <sub>2</sub> Pipelines: Addressing Leak Detection Challenges	Stuart Mitchell	Atmos International
Tips and Tricks for Performing Your “Periodic” Leak Detection Effectiveness Evaluations	Trish Thomason	PipeSense
Intelligent Pipeline Integrity Program (iPIPE)	Darren Schmidt	Vanmok Leak Detection Technologies Inc.
Redefining Resilience through Automation: Maintaining Continuity of Pipeline Leak Detection	Kranthi Kollati	Flycan Systems Inc.
Enhancing Leak Detection Reliability Amid Station Communication Loss in Gathering Systems	Peter Han	Emerson
	Carlos Garza	Summit Midstream
Understanding the Influence of Control Systems and Leak Location on Pipeline Leak Signatures	Jake Jan	Trans Mountain
Developing Effective Pressure Based Leak Detection for ExxonMobil Marine Offloading Pipeline System	Stuart Mitchell	Kinder Morgan
	Eric Whiting	

Leak Detection for Short Pipelines Using a Single Pressure Transmitter on Stublines	Michae lRoxas	Energy Transfer
	Noorallah Rostamy	Plains All American Pipeline, L.P.
Hydrocarbon Leak Detection from the Air: Early-Stage Detectability Across Diverse Products, Surfaces	Alexandre Thibeault	UTSI International
	Éric Bergeron	Flyscan Systems Inc.
	Grant Epps	Colonial Pipeline
RTTM Leak Detection on Slack Pipelines - Challenges and Case Studies	Greg Morrow	Enbridge
Commissioning and Year 1 Performance: Long Distance Fiber Optic Sensing on Trans Mountain Expansion	Sean Frew	Emerson
	Ehsan Jalilian	Hifi Engineering
Leak Detection in CO2 Pipelines: An RTTM Approach	Jonathan Talor	Satelytics Inc.
	Alberto Acevedo	Emerson
	Marcus Landeros	Kinder Morgan
Leak Alarm – What to Do and What Not to Do When You Receive One	Alexsander Valeriano	University of Maryland, College Park
LeakGeek: AI and Machine Learning for Small Leak Detection of Liquid Pipelines	Gustavo Sanchez	Venturi Engineering Solutions
Long Term Window Leak Detection pattern recognition	Luc Laramée	Bracewell, LLP
Rupture Detection in the Real World: Navigating Compliance, Complexity, and Control Room Strategy	Lars Larsson	Nova Transportadora do Sudeste S/A - NTS
Satellite-Based Basin-Wide Leak Detection: a Field Report	Jay Almlie	Emerson

## CYBERNETICS - SCADA SYSTEMS

This track delves into critical advancements and emerging trends in SCADA and Operational Technology (OT) systems, with a focus on both technological innovation and process improvements. It will examine how AI is increasingly being leveraged to enhance efficiencies in OT and SCADA environments, along with addressing current challenges, strategies, and solutions. Topics may include modernization of SCADA/OT communications, audit findings and insights, secure and efficient inter-organizational connectivity, key project case studies, and lessons learned. Additionally, the track will explore upgrading strategies for threat detection and mitigation, assessment of vulnerabilities, and practical approaches to risk management in Industrial Control Systems (ICS) and SCADA environments.

### TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Practical Applications and Insights from Predictive Hydraulic Modeling in Pipeline Operations	David Stobb	Flowstate
Upgrading SCADA - From Homegrown to State of the Art	Patrick Meyer	Atmos International

## CYBERNETICS - CYBERSECURITY

This track seeks abstracts that explore the latest advancements, challenges, and strategic solutions for securing pipeline infrastructure within the energy sector. We welcome submissions that address both physical and cybersecurity aspects of pipeline systems, including:

- Threat detection and prevention strategies specific to pipeline operations
- Cyber vulnerabilities and mitigation techniques for pipeline SCADA and ICS systems
- Case studies on risk management and resilience planning in pipeline networks
- Incident response and recovery protocols tailored to pipeline incidents
- Compliance with regulatory frameworks and industry standards for pipeline security.
- Submissions may include research findings, innovative technologies, operational strategies, or lessons learned from real-world implementations

## TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Patching and Vulnerability Remediation in the OT Space – How to Secure your Critical Systems!	James Carson	IronHawk Compliance and Integrity
Keeping Up with Cybersecurity Compliance: Where U.S. Cybersecurity Policy Is Going Next	Lauren Clegg	Enivibes
Optimization of fiber optic infrastructure for detecting suspicious activities close to pipelines	Carlos Junior	Tory Technologies, Inc.
	Lais Freitas	Nova Transportadora do Sudeste S/A - NTS
	Thiago Brait	
Collaborating for Cybersecurity: Meeting TSA Security Directives through SCADA partnerships	Lars Larsson	Pipeline Performance Group, LLC
Quantum Bayesian Networks for Cyber-Physical Threat Prediction in Pipeline SCADA Systems	Dengimowei David	Enbridge
	Benjamin Boateng	Graduate Student
	Nii Attoh-Okine	University of Maryland, College Park

## CONTROL ROOM MANAGEMENT

This track focuses on stakeholder Control Room Management program development, implementation, and ongoing maintenance holistically to achieve compliance under 195.446. Included topics: Alarm Management – alarm philosophy and system optimization, Control Room Best Practices – lessons learned and case studies, Manual Operations – implementation, lessons learned, testing and documentation, Records and Documentation – annual reviews, reporting, overall effectiveness and best practices, Regulatory Interpretations and Inspection Findings – inspection prep, lessons learned, value of self-assessments, Manual Operations – preparedness and response to social unrest or pandemics, manual operations due to system operations, controller and staffing continuity strategies, and procedure development

## TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Control Room Management Effectiveness	Kelvin Lindber	Pipeline Performance Group, LLC
CRM Regulatory Interpretations and Inspection Findings	Wallace McGaughey	UKG
Virtual Control Room: Enabling Operational Excellence in Control Room Management through AI	Icaro Gargione	Tory Technologies Inc.
Reasoning at the Console: how Generative AI is reshaping Control Room Management	Ahmeda Cheick	Petrobras Transporte SA - TRANSPETRO
	Juan Serinya	Tory Technologies Inc
Manual Operations – What the H@%\$ is it...? How Do We Do It Right? 2.0	Alicia (Ali) Gibson	Integrity Solutions Ltd.
	Greg Glaze	Pipeline Performance Group, LLC
Records and Documentation – The Good, the Bad and the Ugly	Alicia (Ali) Gibson	Integrity Solutions Ltd.
	Greg Glaze	Pipeline Performance Group, LLC
Beyond Compliance: Fatigue Risk Management as a Driver of Operational Excellence	Sachin Agrawal	ABB
From Compliance to Operational Excellence: A Holistic Framework for Control Room Management	Juan Torres	EnerSys Corporation
Safety culture transformation in control room operations: navigating the human factors journey	Ediney Sopper	Pipeline Performance Group, LLC
	Bruno Ebecken	Petrobras Transporte SA TRANSPETRO
How to Get the Most from a Workload Analysis	Vickie Cain	CruxOCM

Continuous Learning and Improvement in Remote Operations: HOP in Control Rooms	Gregg Foresman	Tory Technologies Inc
	Will Lockett	Phillips 66
Operator Wellbeing in Control Rooms: A Strategic Plan for Safer, Smarter Operations	Fiona Campbell	
Driving Operational Excellence: A Framework for Standardizing Operations Across Multiple Control Rooms	Russel Treat	

## NEW! ALARM MANAGEMENT

Track sessions will explore individual components or the complete lifecycle of alarms, including identification, response, notification, documentation, reporting, training, ongoing monitoring, and management of change. These sessions aim to highlight how industry stakeholders are addressing key challenges related to alarm philosophy, rationalization, testing, and implementation. Discussions will align with regulatory requirements outlined in 49 CFR 192.631, 49 CFR 195.446, and API Recommended Practice 1167, offering insights into best practices and compliance strategies within alarm management programs.

## TRACK SESSIONS

TITLE	SPEAKER	COMPANY
Best Practices for Monthly Alarm Review - Two birds with one stone!	Alicia (Ali) Gibson	
Reducing Alerts Through Intelligent Control Room Automation	Adam Marsden	
Best Practices for Alarm Configuration Lifecycle in Pipeline Operations	Nicolas Gomez	



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