

# 2025 API PIPELINE CONFERENCE & EXPO

PIPELINE, CONTROL ROOM AND CYBERNETICS

APRIL 28-30, 2025 • Marriott Austin Downtown • Austin, Texas



## PRELIMINARY PROGRAM

Monday, April 28 - Wednesday, April 30, 2025 | Marriott Austin Downtown | Austin, Texas

Current as of Wednesday, April 9, 2025 | Subject to change | Final program available in the API Events App.

### Monday, April 28, 2025

Session Title	Starts Time	Ends Time	Location	Track	Speakers
Collaborative Approaches for Safe and Efficient Transport of Next-Generation Energy Products	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waterloo Salon 5	Pipeline   Low Carbon Energy Outlook	Jeff Whitworth
Pipeline and Hazardous Materials Safety Administration's (PHMSA's) Efforts to Enhance Public Engagement	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waterloo Salon 4 (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Marta Riendeau
Overcoming Pipeline Flow Modeling Challenges with Advanced Machine Learning	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waterloo Salon 2	Cybernetics   Artificial Intelligence	Braden Fitzgerald
AC Induced Corrosion of Buried Pipelines	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waterloo Salon 2	Pipeline   Operational Excellence	Todd Sakai
SCADA-Based Application for Gas Emissions Data Control and Management	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waller Salon E	Pipeline   Environmental, Social & Governance	Henrique Costa, Gustavo Neves
Monitoring Pipeline Movement Using Magnetic-Based	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	405	Pipeline   Technology & Innovation	Denise Earles

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Technology: A Comparative Study					
Welding of Heavy-Walled Spherical Tees Without Stress Relieving	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waller Salon F (Panel Room)	Pipeline   Construction	Matt Boring
Building an Integrated Management System: A Path to Operational Excellence	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waterloo Salon 1	Pipeline   Operational Excellence	Missie Hills
Pipeline Controller Training - Change in Strategy for Changing Times	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waterloo Salon 3 (Panel Room)	Control Room	Ross Sinclair
Precision in Action: Mastering Leak Detection through Optimal Tuning in CPM Systems	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	Waterloo Salon 6	Cybernetics   Leak Detection	Aaron Tucker, Phani Kanakamedala
Measurement and Monitoring of Chlorine Gas Emissions from Deep Well Anode Vent Tube Outlets	Monday, April 28 at 10:30am	Monday, April 28 at 11:10am	403-404	Pipeline   Technology & Innovation	Jamey Hilleary
Supercritical CO <sub>2</sub> Pipeline: Addressing Challenges in Real-Time Transient Modeling and Leak Detection	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waterloo Salon 5	Pipeline   Low Carbon Energy Outlook	Hamed Ghasvari-Jahromi
Control Room Team Training through	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waterloo Salon 3 (Panel Room)	Control Room	Karrisa McCarty

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Microsoft Teams: What Works and What Doesn't (Operators Only)					
Satellite Intelligence: NOW Delivering Operational Excellence and Advanced ESG Performance	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waller Salon E	Pipeline   Environmental, Social & Governance	R. Peter Weaver
Building Bridges: Proactive Community Engagement Strategies for Pipeline Operation Success	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waterloo Salon 4 (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Sarah Kaiser
Fundamental understanding of the operating principles of currently available pipeline leak detection technologies.	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waterloo Salon 6	Cybernetics   Leak Detection	Daniel Vogt
Harnessing Data Science for Weather and Outside Force Threat Management	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	405	Pipeline   Technology & Innovation	Jake Opdahl
DRA AS AN EFFECTIVE AND IMMEDIATE ALTERNATIVE TO INCREASE PIPELINE CAPACITY vs BUILDING PARALLEL PIPELINES	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waller Salon F (Panel Room)	Pipeline   Construction	Eduardo Arevalo

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Automated Close Interval Survey Analysis and External Corrosion Monitoring with Multiple Data Sources	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	403-404	Pipeline   Technology & Innovation	Megan Scudder
Pipeline Damage Prevention 2.0: Towards a Predictive AI Model for Preventing Leaks and Explosions	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waterloo Salon 2	Cybernetics   Artificial Intelligence	Nick Ferguson
A Risk-Based Approach for Evaluating Piping Support Structures	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waterloo Salon 2	Pipeline   Operational Excellence	Drew Garceau, Ray Vermillion, P.E.
Pipeline Safety Management Systems (SMS): Contractor Assessment Program, Small Operator Assessment Program, 2023 Benchmarking and Industry Updates	Monday, April 28 at 11:20am	Monday, April 28 at 12:00pm	Waterloo Salon 1	Pipeline   Operational Excellence	Colin Frazier, Laurie Knape
Research and the Future – The Information Age	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	403-404	Pipeline   Technology & Innovation	Alex Hofmann, Sherif Hassanien, Deborah Price
U.S. Carbon Dioxide (CO <sub>2</sub> ) pipelines: A Review of Policies Needed to Support U.S. Decarbonization Goals	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	Waterloo Salon 5	Pipeline   Low Carbon Energy Outlook	Hayley Ryan

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Driving ESG Excellence through Integrated Management Systems	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	Waller Salon E	Pipeline   Environmental, Social & Governance	Ayari Zukoshi
Modern SCADA Architectures - Empowering Your Data	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	Waller Salon F (Panel Room)	Cybernetics   SCADA/Cybersecurity	Trent Franklin
Operators Share their RP 1185 Implementation Journeys, Successes and Lessons Learned	Monday, April 28 at 1:30pm	Monday, April 28 at 3:00pm	Waterloo Salon 4 (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Jeff Morton, Michael Butler
Machine Learning for Inline Inspection Analysis	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	Waterloo Salon 2	Cybernetics   Artificial Intelligence	Sheri Baucom
Survive & Thrive: How Pipelines Can Navigate an Embattled & Evolving ERCOT	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	Waterloo Salon 2	Pipeline   Operational Excellence	Kirk Dettmer
Optimizing 24/7 Shift Schedules: Best Practices and Trends for Control Rooms & Beyond	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	Waterloo Salon 3 (Panel Room)	Control Room	Andrew Moore-Ede
Evaluation of Geohazards Using a Novel In-Line Inspection Technology	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	405	Pipeline   Technology & Innovation	Nathan Leslie
Using Distributed Fiber Optic Sensing for Asset Integrity Anomaly, Condition Monitoring, and Leak Detection	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	Waterloo Salon 6	Cybernetics   Leak Detection	Ehsan Jalilian, Nikolaos (Nikos) Salmatanis

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PSMS – Process to Task to Performance – An approach for driving PSMS to the boots on the ground.	Monday, April 28 at 1:30pm	Monday, April 28 at 2:10pm	Waterloo Salon 1	Pipeline   Operational Excellence	Russel Treat, Mallory Gill
Unraveling the Barbie Movie: A Cybersecurity Analogy of Insider Threats in Mission Critical Systems	Monday, April 28 at 2:20pm	Monday, April 28 at 3:00pm	Waterloo Salon F (Panel Room)	Cybernetics   SCADA/Cybersecurity	Valerie Schneider
Computational pipeline monitoring opportunity for onshore hydrogen pipelines	Monday, April 28 at 2:20pm	Monday, April 28 at 3:00pm	Waterloo Salon 5	Pipeline   Low Carbon Energy Outlook	Prateem Hangloo
Approaches to Assessing Management System Maturity	Monday, April 28 at 2:20pm	Monday, April 28 at 3:00pm	Waterloo Salon 1	Pipeline   Operational Excellence	Mark Jean
Using advanced AI techniques and data analytics for ILL inspection of corrosion	Monday, April 28 at 2:20pm	Monday, April 28 at 3:00pm	Waterloo Salon 2	Cybernetics   Artificial Intelligence	Jeff Sutherland
Holistic Solutions for Shift Scheduling Challenges: Overcoming Complexities in shift scheduling	Monday, April 28 at 2:20pm	Monday, April 28 at 3:00pm	Waterloo Salon 3 (Panel Room)	Control Room	Rene Varon
Review of Threats and Code Requirements for Composite Pipes in Oil and Gas	Monday, April 28 at 2:20pm	Monday, April 28 at 3:00pm	Waterloo Salon 2	Pipeline   Operational Excellence	Khalid Farrag

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Transmission Lines					
AI-Enhanced Pipeline Aerial Patrol	Monday, April 28 at 2:20pm	Monday, April 28 at 3:00pm	403-404	Pipeline   Technology & Innovation	Kris Covey
Advanced Edge-Based Polling and Protocol Conversion	Monday, April 28 at 2:20pm	Monday, April 28 at 3:00pm	405	Pipeline   Technology & Innovation	Andrew Hinz
Sharing Industry Best Practices for Conservation Programs & ESA Management on Pipeline ROWs	Monday, April 28 at 3:30pm	Monday, April 28 at 5:00pm	Waller Salon F (Panel Room)	Pipeline   Environmental, Social & Governance	Mary Youpel, Caroline Hernandez, David Marhofer, Scott Sharpe, Ronan Mason
How do you Eat and Elephant (RP 1185) ... One Bite at a Time	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	Waterloo Salon 4 (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Lindsay Sander
Leveraging the Future: NAESB's Strategic Initiatives for a Sustainable Gas Industry	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	403-404	Pipeline   Technology & Innovation	Martha Rendon
PROACTIVE PIPELINE INTEGRITY MANAGEMENT OF COMPLEX AND SIMULTANEOUS GEOTECHNICAL AND HYDROTECHNICAL HAZARDS	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	Waterloo Salon 2	Pipeline   Operational Excellence	XAVIER ORTIZ, MARK ANTONIN HLOUSEK
From Dust to Digital – Data Collection “Lessons Learned” for Integrity Management	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	405	Pipeline   Technology & Innovation	Kristian Olsen

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and Informed Decision Making					
The role of pipelines in a low carbon energy future	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	Waterloo Salon 5	Pipeline   Low Carbon Energy Outlook	Prasun Chaudhury, Adrian Belanger
Leveraging Data to Drive Predictability into the PSMS Risk Equation	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	Waterloo Salon 1	Pipeline   Operational Excellence	Jim Francis
Integrity Analytics for Predictive Pipeline Risk Management: ROSEN's Vision, Progress, and Future Goals	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	Waterloo Salon 2	Cybernetics   Artificial Intelligence	Marcilio Torres
API RP 1175 Continuous Improvement CPM for Chevron's North Ethylene Pipeline	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	Waterloo Salon 6	Cybernetics   Leak Detection	Derek Hibler, Matthew Savidge
Regulatory History of the OQ Rule and the role of API RP 1161	Monday, April 28 at 3:30pm	Monday, April 28 at 4:10pm	Waller Salon E	Pipeline   Workforce Development	Scott Sanders
Intelligent Pipeline Integrity Program - iPIPE	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	Waterloo Salon 6	Cybernetics   Leak Detection	Darren Schmidt
Maximize pipeline throughput and optimize operations: AI IT/OT solutions from CruxOCM	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	Waterloo Salon 2	Cybernetics   Artificial Intelligence	Vicki Knott
Pipeline Facility Geohazard Risk Assessment, Mitigation, and	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	Waterloo Salon 1	Pipeline   Operational Excellence	Lane Dobscha, Darian Thomas



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Post-Event Inspection					
Skills Expansion Program - Empowering Front-Line Field Employees for Enhanced Performance and Growth	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	Waller Salon E	Pipeline   Workforce Development	Robert Williams, Jeff McBride, Kim Hill Jr
Assessing Mechanical Damage with an Ultra-High Resolution ILL System	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	405	Pipeline   Technology & Innovation	Mark Olson
Carbon Emission Reduction in Petroleum Pipelines by use of Drag Reducing Agent	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	Waterloo Salon 5	Pipeline   Low Carbon Energy Outlook	Harshal Talele
A unique simulator environment using hydraulic models for testing autonomous pipeline operations at Phillips 66.	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	403-404	Pipeline   Technology & Innovation	Kranthi Kollati
Community Acceptance of Carbon Dioxide Pipelines: Lessons from Leading Projects	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	Waterloo Salon 4 (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Eric Snelling
Liquid Pipeline Capacity and Overpressure Protection Strategies: Active Surge Prevention	Monday, April 28 at 4:20pm	Monday, April 28 at 5:00pm	Waterloo Salon 2	Pipeline   Operational Excellence	Robert Gates

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and Passive Surge Protection					
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## Tuesday, April 29, 2025

Session Title	Starts Time	Ends Time	Location	Track	Speakers
Best Practices in Alarm Rationalization through Automated Template Design	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 11:10am	Waterloo Salon 2	Control Room	Bob Weibel
Effective Records Mapping across Compliance Programs	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 11:10am	Waterloo Salon 2	Pipeline   Operational Excellence	Trish Thomason
Emerging Strategies for Stakeholder Engagement in Today's Environment	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 12:00pm	Waller Salon F (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Amy Sackaroff, Paige Chenevey, Andrea Grover, David Murk
The Five Phases of Safety Cultural Growth and Its Application to Oil and Gas Pipelines	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 11:10am	Waller Salon E	Pipeline   Operational Excellence	Emily Reiblein
Unification of NNPH Stress Corrosion Cracking, Corrosion Fatigue, and Free Hydrogen Environment Growth Models	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 11:10am	405	Pipeline   Technology & Innovation	Lyndon Lamborn
Pipeline Facility Pressure Retaining Fixed Equipment Lifecycle Inspections	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 11:10am	Waterloo Salon 1	Pipeline   Operational Excellence	Daniel Schardine

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The Value and Science behind MDS™ Pro Assessment Techniques, with a focus on Advanced Analysis Techniques	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 11:10am	403-404	Pipeline   Technology & Innovation	Adrian Belanger
The Case for Lifecycle Pipeline Construction Quality Management Systems	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 11:10am	Waterloo Salon 5	Pipeline   Construction	John Godfrey
Can Artificial Intelligence Really Predict Pipeline Failures?	Tuesday, April 29 at 10:30am	Tuesday, April 29 at 12:00pm	Waterloo Salon 3 (Panel Room)	Cybernetics   Artificial Intelligence	Michael Gloven, Victor Anisi, Joel Bassani
API Recommended Practice on Transportation of CO2 by Pipeline	Tuesday, April 29 at 11:20am	Tuesday, April 29 at 12:00pm	Waterloo Salon 6	Pipeline   Low Carbon Energy Outlook	Mark Piazza
Convergence of North American Pipeline Regulations	Tuesday, April 29 at 11:20am	Tuesday, April 29 at 12:00pm	Waterloo Salon 1	Pipeline   Operational Excellence	Eric Grant
Get the Most out of Your ILI Data: Optimizing a Dig Plan with Probabilistic Analysis and FEA	Tuesday, April 29 at 11:20am	Tuesday, April 29 at 12:00pm	403-404	Pipeline   Technology & Innovation	Miguel Martinez, Michael Plishka
Enhancing Pipeline Isolation: The Advantages of Double Independent Isolation Modules for Improved Sa	Tuesday, April 29 at 11:20am	Tuesday, April 29 at 12:00pm	405	Pipeline   Technology & Innovation	Thomas Bergsland

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Non-Metallic Interfaced Pipe Support Free from Corrosion and Maintenance	Tuesday, April 29 at 11:20am	Tuesday, April 29 at 12:00pm	Waterloo Salon 5	Pipeline   Technology & Innovation	Ashanav Bhattacharyya
New Construction and Material Records Best Practices	Tuesday, April 29 at 11:20am	Tuesday, April 29 at 12:00pm	Waterloo Salon 2	Pipeline   Operational Excellence	Ben Pierce
Simplifying Alarm Management: Benefits of Consolidating the Alarm Lifecycle and linking CRM Records	Tuesday, April 29 at 11:20am	Tuesday, April 29 at 12:00pm	Waterloo Salon 2	Control Room	Juan Serinyà
Just Culture – Culture of learning and sharing.	Tuesday, April 29 at 11:20am	Tuesday, April 29 at 12:00pm	Waller Salon E	Pipeline   Operational Excellence	Chris Hatala
Validation of A Portable Field Instrument for In-ditch Pipe Body Toughness Determination	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	405	Pipeline   Technology & Innovation	Bryan Feigel
Building Competency in Management Systems: A Competency Model and Development Program for Pipeline Industry Professionals	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	Waterloo Salon 4 (Panel Room)	Pipeline   Workforce Development	Isaac Paccagnan
Control Room Best Practices – Learning from Others is Almost Free!	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	Waterloo Salon 2	Control Room	Alicia (Ali) Gibson, Greg Glaze
- ONEsight: A Vision into the reality of Public	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	Waller Salon F (Panel Room)	Pipeline   Stakeholder	Donnie Krumsiek, Shannon

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Engagement & Awareness, starting internally				Engagement & Outreach	Murchison, Kasey Miller
API Standards in action. Until will discuss the practical application of API 1185 as well as incorporating fundamental principles of API RP 1173 in design, construction and commissioning of critical gas pressure regulating facilities.	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	Waterloo Salon 1	Pipeline   Operational Excellence	Mark Dupuis
5 years of SSWC data	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	Waterloo Salon 2	Pipeline   Operational Excellence	Andres Gonzalez Franchi
Energy Transition Introduces Hard Spot Challenges	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	Waterloo Salon 5	Pipeline   Technology & Innovation	Carlos Diaz
Development of ILI Tool and Robust UT Probes for Assessment of Crack Type Anomalies in Ammonia Carrying Pipelines	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	403-404	Pipeline   Technology & Innovation	Nathan Leslie
Energy Pipelines and their (Potential) Roles in the Energy Transition	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	Waterloo Salon 6	Pipeline   Low Carbon Energy Outlook	Tom Miesner
Innovative Polymer	Tuesday, April 29 at 1:30pm	Tuesday, April 29 at 2:10pm	Waller Salon E	Cybernetics   Leak Detection	Stefan Balatchev, Nikolaos (Nikos)

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Absorption Sensor Cable for Detecting Hydrocarbon Leaks and Fire Hazards					Salmatanis, Elmer Revilla
API Conservation Program for Pipeline ROWs and Facilities - Lessons Learned from First Adopters	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waterloo Salon 4 (Panel Room)	Pipeline   Environmental, Social & Governance	Mary Youpel, Scott Sharpe, Ronan Mason
Pipeline Girth Weld Separation in Lean Gas Service	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	405	Pipeline   Technology & Innovation	Sri Chimbli
Hazardous Liquid Facility Pipeline Inspections	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waterloo Salon 2	Pipeline   Operational Excellence	Geert Bontekoe
Streamlined Development of an API RP 1173 Based Management System	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waterloo Salon 1	Pipeline   Operational Excellence	Chris Host, Mark Jean
Dense Phase CO2 Pipelines – Design Considerations	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waterloo Salon 6	Pipeline   Low Carbon Energy Outlook	Rob Klein
AI-enabled aerial patrol boosts operational safety, reduce risk, and enhance critical infrastructure protection.	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waterloo Salon 5	Pipeline   Technology & Innovation	David Yoel, Tony Dirks
Enhancing Pipeline Monitoring: Vibroacoustic Technology for Leak & TPI	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waller Salon E	Cybernetics   Leak Detection	Ana Paula Gomes

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Detection and Pig Tracking					
Predictive Solutions for Real-Time Electricity Prices and Coincident Peak Alerts in ERCOT	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waterloo Salon 3 (Panel Room)	Cybernetics   Artificial Intelligence	Hossein Shahandeh
Recent advances in ROW inspection automation - From liquid leak detection to vegetation management	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	403-404	Pipeline   Technology & Innovation	Ray Philipenko, Eric Bergeron
Natural Compliance and Operations Performance in the Pipeline Control Room	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waterloo Salon 2	Control Room	Russel Treat
Moving Stakeholders from NIMBY to YIMBY: A Roundtable Discussion	Tuesday, April 29 at 2:20pm	Tuesday, April 29 at 3:00pm	Waller Salon F (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Terri Larson, APR
Internal Corrosion of Pipelines in Oil Service	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	405	Pipeline   Technology & Innovation	Sri Chimbli
Methodology evolution and application for pipeline stress corrosion cracking susceptibility analysis and investigation	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	Waterloo Salon 1	Pipeline   Operational Excellence	Carlos Fernandes, Osimar Simião

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Architecting the Edge: Reducing Costs While Optimizing Operations & Security	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	Waterloo Salon 6	Cybernetics   SCADA/Cybersecurity	Valerie Schneider
PHMSA's Damage Prevention and Excavation Enforcement Programs	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	Waller Salon F (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	James Prothro
Panel: CCS Project Risk-Based Screening Process & PHMSA's CO2 NPRM - Navigating the Landscape	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 5:00pm	Waterloo Salon 4 (Panel Room)	Pipeline   Low Carbon Energy Outlook	Joseph Hainline, Gregory Schnaar, Olivia Brown, Mosby Perrow
Converging Gas Pipeline Modeling and Commercial Excellence: A Seamless Integration	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	403-404	Pipeline   Technology & Innovation	Martha Rendon
Using AI to create better faster and more accurate Pipeline schedules	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	Waterloo Salon 3 (Panel Room)	Cybernetics   Artificial Intelligence	Dieter Sticht
Manual Operations – What the H@%\$ is it...? How Do We Do It Right?	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	Waterloo Salon 2	Control Room	Alicia (Ali) Gibson, Greg Glaze
Hard Spot Program Update: Continued Data Integration and Risk Analysis to Prioritize Hard Spot Response	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	Waterloo Salon 2	Pipeline   Operational Excellence	Kaye White Walker, Kelly Thompson, Charles Ratts



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Improving Leak Detection Performances on Gathering Systems using Segmentation Meters	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	Waller Salon E	Cybernetics   Leak Detection	Peter Han, Carlos Garza
Simplified Pipeline Digital Twinovation	Tuesday, April 29 at 3:30pm	Tuesday, April 29 at 4:10pm	Waterloo Salon 5	Pipeline   Technology & Innovation	Mark Woynarowich
Engineering Assessment of Dents Without Dent Profiles: Prioritizing Resources and Leveraging Existing Data	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	Waterloo Salon 5	Pipeline   Technology & Innovation	Zahra Lotfian
Emerging Trends in Pipeline Safety Regulations at the State Level	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	Waterloo Salon 1	Pipeline   Operational Excellence	Rick Sugden
Enhancing Pipeline Leak Detection with Secure Multi-Source Integration of SCADA and Remote Sensors	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	Waterloo Salon 6	Cybernetics   SCADA/Cybersecurity	Nick Dresang
INVESTING IN PIPELINE EQUIPMENT: A PATH TO A SUCCESSFUL LEAK DETECTION SYSTEM	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	Waller Salon E	Cybernetics   Leak Detection	Alexsander Valeriano
AI-Driven Operational Efficiency: Optimizing Midstream Pipeline Systems	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	Waterloo Salon 3 (Panel Room)	Cybernetics   Artificial Intelligence	Dan Lozie

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with Cloud Data Platforms					
Navigating Complex Geometries with Advanced Phased Array Ultrasonic Testing: Evaluating PAUT Accuracy, Challenges, and Limitations in Flaw Detection	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	403-404	Pipeline   Technology & Innovation	Godswill Nkwusi
South Bow Facility Pipe Integrity - Vibration and Stress Program Overview	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	Waterloo Salon 2	Pipeline   Operational Excellence	Joel Neville
Leveraging Geofencing Technology for Pipeline Safety and Public Awareness	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	Waller Salon F (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Kesley Tweed
Ultrasonic Mode Imaging - Nonintrusive Interrogation of Inaccessible Pipe	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	405	Pipeline   Technology & Innovation	Steve Ziola
Lessons from 21 Years of Litigation Consulting and Expert Testimony	Tuesday, April 29 at 4:20pm	Tuesday, April 29 at 5:00pm	Waterloo Salon 2	Control Room	Tom Miesner

## Wednesday, April 30, 2025

Session Title	Starts Time	Ends Time	Location	Track	Speakers
Advancing Safety and Compliance: Enhancements in	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	405	Control Room	Darin Parsons, Debbie Nahirnik

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Control Room Management and Point-to-Point Processes					
CO2 Pipeline Case Study - Using RTTM for Leak Detection and Control	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	Waterloo Salon 5	Pipeline   Low Carbon Energy Outlook	Greg Morrow
Cyber-Physical Security Risk Assessment Using a Secure Asset Framework	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	Waterloo Salon 2	Cybernetics   SCADA/Cybersecurity	Lisa Zhao
Automation of Pressure Cycling Analysis for Gas Transmission Pipelines	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	403-404	Pipeline   Technology & Innovation	Jordan Christopher-Shah, James Colbone
Using Layered Pattern Recognition to Provide Cost Effect Leak Detection for Short Gas Pipelines	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	Waterloo Salon 4 (Panel Room)	Cybernetics   Leak Detection	Stuart Mitchell
Optimizing Pipeline Integrity through Machine Learning based Predictive Models	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	Waterloo Salon 2	Pipeline   Operational Excellence	KESHAV KUMAR DEWANGAN, ARJUN PATIL, RITURAJ SINGH
What is the Best Shift Schedule for Controllers?	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	Waller Salon E	Control Room	Michele Terranova
A Decision-Making Methodology for Managing Pipeline Assets	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	Waterloo Salon 1	Pipeline   Operational Excellence	Eric Allen
Control Room Management Compliance	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 8:40am	Waterloo Salon 3 (Panel Room)	Control Room	Daniel Scarberry

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PANEL: CO2 ER Safety in Action: Engaging Hands-on Training	Wednesday, April 30 at 8:00am	Wednesday, April 30 at 9:30am	Waller Salon F (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Philip Oakes, Jack Willingham, Lindsay Sander, Michael Butler, Coral Lukaniuk
CRM Best Practices – Operator’s Only	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	Waterloo Salon 3 (Panel Room)	Control Room	Trish Thomason, Vickie Cain
Taming the Complexities of Major Urban Pipelining Projects	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	Waterloo Salon 6	Pipeline   Construction	Tyler Horton, Cody Daoust
LIFE CYCLE COST ANALYSIS: OBSTACLES, ESTIMATION METHODS, AND COST EFFICIENCY GAINS	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	Waterloo Salon 1	Pipeline   Operational Excellence	VITOR JOSE DAS NEVES RODRIGUES
Optimizing Operational Efficiency through Fault Tree Analysis: Anomaly Control and Prevention	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	Waterloo Salon 2	Pipeline   Operational Excellence	Luiz Felipe Leitão Martins, Ulysses Monteiro Machado
Girth Weld Assessment: Real-World Examples of Challenging Anomalies vs Manufacturing Indications	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	403-404	Pipeline   Technology & Innovation	Rick Desaulniers
Extending Advanced Monitoring technologies to a new pipeline while maintaining them on an existing pipeline.	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	Waterloo Salon 4 (Panel Room)	Cybernetics   Leak Detection	Yan Qiao, Lisa Becker

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Cutting-Edge advancement in Water Electrolysis for Efficient Green Hydrogen Production	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	Waterloo Salon 5	Pipeline   Low Carbon Energy Outlook	Harshal Talele
RMV, Control Room, and Team Training	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	405	Control Room	Wallace McGaughey
Cloud SCADA in the Gas Pipeline Industry: Opportunities, Challenges, and Future Directions	Wednesday, April 30 at 8:50am	Wednesday, April 30 at 9:30am	Waterloo Salon 2	Cybernetics   SCADA/Cybersecurity	Jake Hawkes
Ensuring Operational Excellence of Three Natural Gas Transmission Pipelines During Construction of The Underpass Tunnel Toll Road by Implementing Pipe Hanger System	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	Waterloo Salon 2	Pipeline   Operational Excellence	Foreman Lois Alberto Nainggolan, Rakhindro Pandhu Mahesworo, Imam Ramadhan
Implementation methodology for intervention planning	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	Waterloo Salon 1	Pipeline   Operational Excellence	Higor Pires
How Do You Investigate and Diagnose Leak Alarms?	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	Waterloo Salon 3 (Panel Room)	Control Room	Angie Schrader
Enhancing Gas Pipeline Operational Efficiency: The Role of Advanced Simulations and Look-Ahead Models	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	405	Control Room	David Stobb, Sridhara Murthy Ambadapudi

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Leak Detection for Energy Transition	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	Waterloo Salon 4 (Panel Room)	Cybernetics   Leak Detection	Daniel Vogt
Canadian Public Awareness Effectiveness Research Pilot Study	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	Waller Salon F (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	Karlie Hood
Operational Technology (OT) Cybersecurity Transformation as a Business Enabler	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	Waterloo Salon 2	Cybernetics   SCADA/Cybersecurity	Justin Pauler
Gulf of Mexico Riser Inspections Using a Self-Propelled Ultrasonic Solution	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	403-404	Pipeline   Technology & Innovation	John Nonemaker, Fernando Perez
Enabling Agencies to Make Informed Decisions Based Upon Enbridge Project Learnings and Experience	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	Waterloo Salon 6	Pipeline   Construction	Matt Horn, Joe McGaver
Corrosion at Pipe Supports: Causes and Solutions	Wednesday, April 30 at 9:40am	Wednesday, April 30 at 10:20am	Waterloo Salon 5	Pipeline   Technology & Innovation	Steve Young
Myths of Pipeline Response	Wednesday, April 30 at 10:40am	Wednesday, April 30 at 11:20am	Waller Salon F (Panel Room)	Pipeline   Stakeholder Engagement & Outreach	David Bullard
Assessing the Effectiveness of Isolation Valves and Integration into a Decision Support Dashboard	Wednesday, April 30 at 10:40am	Wednesday, April 30 at 11:20am	Waterloo Salon 2	Pipeline   Operational Excellence	Jeremy Fontenault, Nitish Khushoo
Data-Driven Risk Management: Predicting	Wednesday, April 30 at 10:40am	Wednesday, April 30 at 11:20am	405	Control Room	Rainer Guttkuhn

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Fatigue Risk Using a Biomathematical Fatigue Model					
Cyber-Security Strategies to Prevent Attacks Against Internal Control Systems of Pipelines	Wednesday, April 30 at 10:40am	Wednesday, April 30 at 11:20am	Waterloo Salon 2	Cybernetics   SCADA/Cybersecurity	Eduardo Munoz
Ideal Parameters to Achieve Drag Reduction in Multiphase Applications	Wednesday, April 30 at 10:40am	Wednesday, April 30 at 11:20am	Waterloo Salon 5	Pipeline   Technology & Innovation	Jessica Pisarik
Identification of regions highly susceptible to release due to bottom-side internal corrosion	Wednesday, April 30 at 10:40am	Wednesday, April 30 at 11:20am	403-404	Pipeline   Technology & Innovation	Megan Scudder
Shorted Pipe Casings and Increased Focus in Regulations	Wednesday, April 30 at 10:40am	Wednesday, April 30 at 11:20am	Waterloo Salon 1	Pipeline   Operational Excellence	Kelly Baker
Facilitating Use Of Leak Detection Sensors Using Web-Based Remote Monitoring	Wednesday, April 30 at 10:40am	Wednesday, April 30 at 11:20am	Waterloo Salon 4 (Panel Room)	Cybernetics   Leak Detection	Jamey Hilleary
Do's and don'ts of ILI validation per API Std 1163. Lessons learned the hard way!	Wednesday, April 30 at 11:30am	Wednesday, April 30 at 12:10pm	Waterloo Salon 1	Pipeline   Operational Excellence	Bernardo Cuervo