

PRELIMINARY UIC 2027 PROGRAM

Tuesday, Jan. 26, Gaylord Texan Convention Center

Room # Track # Track Title:	Mustang 2 Track I Sewer	Mustang 1 Track II Sewer	Mustang 4 Track III Water	Mustang 3 Track IV Asset Management	Mustang 5 Track V DPS /Utilities	Mustang 6 Track VI HDD
8 – 8:25	When CIPP Meets Carbon Fiber: Modern Solution for Legacy Infrastructure Challenges Brian Goad	Lessons from Half a Century: Austin's Wastewater Tunnel System Kevin Koeller, Kane Wei, Gopal Guthikonda	Balancing Client Design Standards and Engineering Judgment in Practice Jonathan Shirk, Beca Wright, Courtney Jalbert	Predicting the Invisible: Virtual Assessment of a Large Distribution System Allyson Mauck	Corrosion Damage to Underground Infrastructure Caused by AC Voltages Mark Voightsberger, Mike Ames	Welcome, HDDA Initiatives, Accomplishments and Plans Robert Myers IV
8:30-8:55	Northwest Interceptor (NWI) CIPP Rehab in Close Proximity to WWTP Upgrades Marya Jetten	Threading the Needle: Tight Planning and Execution of a Short but Challenging HDD Paul Banschbach, Kaylee Waldo, Homa Hadi		Predicting Failure, Optimizing Investment: AI-Powered Decision-Making for Interceptor Renewal Janice Sloan, Wes Pierce	Detect. Alert. Stop! A New Industry Standard for Proactive Utility Strike Prevention Yuval Bahena, Clay Green	Formation Evaluation Using Drill Cuttings to Characterize Excessive Wear in Horizontal Directional Drilling Justin Spears
9 – 9:25	Guidelines for a Safe Cured-in-Place Pipe (CIPP) Installation Mo Najafi, Parisa Beigvand	ASTM F3706:Key Points of Newly Published Standard for Spray-Applied Mortar Lining Joe Royer	Where There's a Will, There's a Waterline: Engineering in Easements and Parking Lots David Warner,Alan Moon,Raj Singh	Reducing Non-Revenue Producing Water Loss Using Sensible No-Dig Tools and Technologies Mark Wade	Managing Over-Excavation and Utility Conflicts on Complex Urban Redevelopment Projects Mazheruddin Mohammed	UNIPF200 Pipe Thruster Caron McCormack, Vasily Anishchenko
9:30-9:55	From Design Intent to Field Verification: Reducing Risk via CFRP Materials & Methods Grant Whittle, Patrick Budzalewicz	Polymer Concrete Structural Rehabilitation Inserts Tom LaRue, Greg Gould		From Reactive to Proactive: Practical Sensor Placement for Sewer Collection Systems Marjan Moradi, Mo Najafi	How to Lower Insurance Premiums in Your Business	HDD Annular Pressure Monitoring Basics Joe Hall
10-10:25	Use of Virtual Tools in Optimizing Design Life of Pipelines Firat Sever	Collaborative Delivery Drives Innovation & Impacts Mitigation Marya Jetten, Carl Pitzer		Case Studies in Annular Grouting Failure: Causes, Consequences & Solutions	Newly Introduced NASSCO PACP Codes for Pressure Pipeline Infrastructure: How's it Going? Mark Wade.	Dennis Pivin
10:30-10:55	Addressing Inflow and Infiltration (I/I) Detection and Mitigation at Street and Private Lateral Levels Sihan Zhou, Tom Iseley	Next-Generation Pipeline Intelligence: Digital Twin Delivery for City of Houston 132" Sanitary Trunkline Santosh Saride, Sam Cancila	Chase Juhl, Yovani Zelaya	AI-Powered Quantitative Condition Assessment of Sewers using 360° Continuous Sidewall Scanning Wei Liao, Jinwu Xiau	Moving from Reactive to Proactive Utility Damage Prevention	Enabling Rail Electrification Through Reliable Underground Utility Relocations Al Arafat, Mark MacDonald
11 – 11:25	KEYNOTE Matt Penk, City of Dallas				Kyle VanLandingham, Dave Cunningham	When Pullback Goes Wrong: Understanding a Stuck HDD Installation Jonathan Faughtenberry
11:30 - 12					Beneath the Surface: Growing Need for Accurate Underground Facility Data Susan Bohl	
12 – 1:30	MVP/Awards					
12 – 5 p.m.	EXHIBITS/LUNCH					

Wednesday, Jan. 27, Gaylord Texan Convention Center

Room # Track # Track Title	Mustang 2 Track VII Sewer	Mustang 1 Track VIII Sewer	Mustang 4 Track IX Water	Mustang 3 Track X Asset Management/AI	Mustang 5 Track XI Damage Prevention/Safety	Mustang 6 Track XII HDD
8 – 8:25	Breaking the Two-Pass Barrier: Single-Pass Microtunneling with RCMTF and Type C Joints Carl Pitzer, Sanaz Ghalambor, Chirag Gudhka	Accuracy & Precision for Predicting I/I and Rainfall-Dependent I/I George Kurz	Calculated Surface Settlement from 3-Parallel 96-inch Tunnels Crossing UPRR in Harlingen, TX Jeffrey Hay, Rafael Ortega	From Condition Data to Construction: Multi-Criteria Framework for Matching Trenchless Methods to Pipeline Risk Assessment Farhad Daneshgar	Framework for improving reliability, integrity of underground systems Amish Kumar Patel	HDDA Connect Workshop • Introduction: Need & purpose of HDD Connect • Module 1: HDD Drainage Prevention • Module 2: Communication & All-Shop • Module 3: HDD Rig Side Operations • Module 4: Pipe Side Operations • Module 5: environmental Controls • Module 6: Evaluation Portal • Conclusion
8:30-8:55	Understanding EPA's Approach to Styrene Risk for Underground Infrastructure Dennis Pivin	How We Lined, Tapped & Tunneled to Victory: Dallas North Trunk Phase 2 Wastewater Interceptor Ben Gleichert, Emily Krocheski	Making Better Water Main Rehabilitation Choices	AI-Powered Automated Reporting and Operational Intelligence for Sewer Utilities Hossein Khaleghian, Yongwei Shan	The Quiet Capital Problem Hiding in Your Iron	
9 – 9:25	36-Inch Sanitary Sewer Rehab: Lessons Learned from Sliplining a Critical Flextran Interceptor Andy Juarez, Patrick Donart, Jerry Snead	Getting the Most Out of Trenchless Lateral Rehab in Wastewater Collection Systems Jeff Maier	Randall Cooper, Chris Macey	Cost Estimation Guide for Trenchless Pipeline Renewal & Replacement Technologies Paria Hamidzadeh, Mo Najafi, Marjan Moradi	Mike Clancy	
9:30-9:55	First Municipal Installation of FRP Jacking Pipe & Carbon Fiber Couplers in the U.S.: Skylar Willard, Kirk Eager, Carlos Quintero	Digging Out of Trouble: Field Lessons in Utility Risk and Adaptive Project Management Christopher Leonard	Challenges in Crossing of Houston METRO Light Rail with 30-inch Water Line Leo Bartos, Todd Niesner, Chris Atnip	CCTV of Water Mains: Why AI is Making it the New Go-To Tool in Your Toolbox Mike App	AI-Powered Mapping Across the Utility Lifecycle: From Planning to Damage Prevention Joe Eberly	
10 – 10:25	Underwater Debris Removal Using Combination Sewer Cleaning Equipment Rusty Nezat	When Operating Environments Exceed Qualification Limits: Managing Risk Beyond Standard Product Data & Consensus Scope Grant Whittle, Jamie Laird	Use of Oriented Polyvinyl Chloride (PVC-O) in Rural Low-Pressure Water Distribution: Mount Pleasant, TX, Case Study Farhad Daneshgar, Craig Fisher	Canvas of Infrastructure Management: Painting a Cohesive Picture of Diverse Assets in City of Burleson, TX Janay Kulkarni, Steven Rhodes, Janalea Hembree	Gas Line Damages and Characteristics David Heldenbrand	
10:30-10:55	Investigation to Implementation: CFRP Strengthening of Aging Large-Diameter Pipelines Through IDB Project Delivery Mike Larsen	H2S & pH Survey and Performance Evaluation In Existing Wastewater Structures Tom LaRue	Texas Case Histories Demonstrate How Enhanced Lap Weld Joint Eliminates Leaks Richard Mielke	Integrated AI & Cloud Platform: Transitioning from Reactive Workflows to Smart Asset Management Kalyan Saikia	Lessons from Recent Confined Space Fatalities: Protecting Workers in Underground Infrastructure	
11 – 11:25	Engineer Ethics	How Sanitation Became the Cornerstone of the Roman Empire		Converging Physical Access and Cybersecurity in Critical Infrastructure: A Zero Trust Approach Shayne Spears	Dennis Pivin	
11:30 - 12	C. Vipu	Joe Schotthoefer		Integrity Management of Buried Oil & Gas Transmission Pipelines in Libya Through Corrosion Management Ifthikhar Ahmed	Advancing Underground Infrastructure Safety Through AI-Based Hazard Detection & Real-Time Alert Systems Khatere Karbassi, Mo Najafi	
12-5	EXHIBIT HALL PRESENTATIONS					

EXHIBIT HALL PRESENTATIONS

TUESDAY

Center Stage

1 – 2	
2 – 3	HDD: Small Rig Contractors
3 – 4	HDD: Big Rig Contractors

TUESDAY

Construction Theater

1:30 – 2	HCSS

WEDNESDAY

Center Stage

1 – 2:30	
3 – 4:30	HDD Hall of Fame