UIC 2027 PROGRAM (subject to change)

Tuesday, Jan. 26, Gaylord Texan Convention Center

Room #	*Mustang 2*	*Mustang 1*	*Mustang 4*	*Mustang 3*	*Mustang 5*	*Mustang 6*
Track #	**Track I**	**Track II**	**Track III**	**Track IV**	**Track V**	**Track VI**
Track Title:	*Sewer*	*Sewer*	*Water*	*Asset Management*	*DPS /Utilities*	*HDD*
8 – 8:25	When CIPP Meets Carbon Fiber: Modern Solution for Legacy Infrastructure Challenges Brian Goad, **Azuria Water Solutions**	Lessons from Half a Century: Austin's Wastewater Tunnel System Kevin Koeller, Kane Wei, **City of Austin, Austin Water**, Gopal Guthikonda, **STV**	Balancing Client Design Standards and Engineering Judgment in Practice Jonathan Shirk, Beca Wright, **Kennedy Jenks**, Courtney Jalbert, **Tarrant Regional Water District**	Predicting the Invisible: Virtual Assessment of a Large Distribution System Allyson Mauck, **McKim & Creed**	Corrosion Damage to Underground Infrastructure Caused by AC Voltages Mark Voightsberger, **UTGIS**, 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, **AECOM**	Threading the Needle: Tight Planning and Execution of a Short but Challenging HDD Paul Banschbach, **Garver, LLC**, Kaylee Waldo, Homa Hadi, **Upper Trinity Regional Water District**		Predicting Failure, Optimizing Investment: AI-Powered Decision-Making for Interceptor Renewal Janice Sloan, **Kennedy Jenks**, Wes Pierce, **Trinity River Authority of Texas**	Detect. Alert. Stop! A New Industry Standard for Proactive Utility Strike Prevention Yuval Bahena, **RodRadar**, Clay Green, **Garney Construction**	Formation Evaluation Using Drill Cuttings to Characterize Excessive Wear in Horizontal Directional Drilling Justin Spears, **Spears Geological Services, LLC**
9 – 9:25	Guidelines for a Safe Cured-in-Place Pipe (CIPP) Installation Mo Najafi, Parisa Beigvand, **UT Arlington**	ASTM F3706:Key Points of Newly Published Standard for Spray-Applied Mortar Lining Joe Royer, **Henkel Corporation**	Texas Case Histories Demonstrate How Enhanced Lap Weld Joint Eliminates Leaks Richard Mielke, **Northwest Pipe Company**	Reducing Non-Revenue Producing Water Loss Using Sensible No-Dig Tools and Technologies Mark Wade, **BlueWater Solutions Group, Inc.**	Managing Over-Excavation and Utility Conflicts on Complex Urban Redevelopment Projects Mazheruddin Mohammed, **Howard Contracting**	UNIPF200 Pipe Thruster Caron McCormack, **HEMI-USA Inc**, Vasily Anishchenko, **SMP Engineering Services**
9:30-9:55	From Design Intent to Field Verification: Reducing Risk via CFRP Materials & Methods Grant Whittle, **TCI Carbon Fibre**, Patrick Budzalewicz, **Tarpon Contracting**	Polymer Concrete Structural Rehabilitation Inserts Tom LaRue, **Armorock**, Greg Gould, **Carollo**		From Reactive to Proactive: Practical Sensor Placement for Sewer Collection Systems Marjan Moradi, Mo Najafi, **UT Arlington**	How to Lower Insurance Premiums in Your Business Dennis Pivin, **SAK**	HDD Annular Pressure Monitoring Basics Joe Hall, **HardRock Infrastructure**
10-10:25	Use of Virtual Tools in Optimizing Design Life of Pipelines Firat Sever, **CDM Smith**	Collaborative Delivery Drives Innovation & Impacts Mitigation Marya Jetten, **AECOM**, Carl Pitzer, **Thompson Pipe Group**	Case Studies in Annular Grouting Failure: Causes, Consequences & Solutions Chase Juhl, **Tunnel Tex**, Yovani Zelaya, **GFT**	Newly Introduced NASSCO PACP Codes for Pressure Pipeline Infrastructure: How's it Going? Mark Wade, **BlueWater Solutions Group, Inc.**		Utilizing HDD for Trenchless Grounding in High-Resistivity Geologies Tim McClure, **CLAD Trenchless Grounding**
10:30-10:55	Addressing Inflow and Infiltration (I/I) Detection and Mitigation at Street and Private Lateral Levels Sihan Zhou, Tom Iseley, **Purdue University**	Next-Generation Pipeline Intelligence: Digital Twin Delivery for City of Houston 132" Sanitary Trunkline Santosh Saride, **EnviroCal/GeoCal**, Sam Cancila, **RedZone Robotics**		AI-Powered Quantitative Condition Assessment of Sewers using 360° Continuous Sidewall Scanning Wei Liao and Jinwu Xiau, **BAMI-I**	Moving from Reactive to Proactive Utility Damage Prevention Kyle VanLandingham, **Texas811**, Dave Cunningham, **Network Integrity Systems**	Enabling Rail Electrification Through Reliable Underground Utility Relocations Al Arafat, **Metrolinx**, Mark MacDonald
11 – 11:25	KEYNOTE Matt Penk, City of Dallas					When Pullback Goes Wrong: Understanding a Stuck HDD Installation Jonathan Faughtenberry, **Hazen and Sawyer**
11:30 - 12					Beneath the Surface: Growing Need for Accurate Underground Facility Data Susan Bohl, **OKIE811**, Ketha Molina, **TEXAS811**	
12 – 1:30	MVP/Awards					
12 – 5 p.m.	EXHIBITS/LUNCH					

EXHIBIT HALL PRESENTATIONS

TUESDAY	***Center Stage***
1 – 2	*Pending*
2 – 3	*HDD: Small Rig Contractors*
3 – 4	*HDD: Big Rig Contractors*

TUESDAY	***Construction Theater***
1:30 – 2	HCSS
2:30-3	*Gray Reed*

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Wednesday, Jan. 27, Gaylord Texan Convention Center

Room #	*Mustang 2*	*Mustang 1*	*Mustang 4*	*Mustang 3*	*Mustang 5*	*Mustang 6*	*Mustang 4*
Track #	**Track VII**	**Track VIII**	**Track IX**	**Track X**	**Track XI**	**Track XII**	**Track XIII**
Track Title	*Sewer*	*Sewer*	*Water*	*Asset Management/AI*	*Damage Prevention/Safety*	*HDD*	*Engineering Ethics*
8 – 8:25	Breaking the Two-Pass Barrier: Single-Pass Microtunneling with RCMTP and Type C Joints Carl Pitzer, Sanaz Ghalambor, **Thompson Pipe Group**, Chirag Gudhka, **HB Trenchless**	Accuracy & Precision for Predicting I/I and Rainfall-Dependent I/I George Kurz, **Sewer Capacity Management**	Calculated Surface Settlement from 3-Parallel 96-inch Tunnels Crossing UPRR in Harlingen, TX Jeffrey Hay, Rafael Ortega, **Aurora Technical Services**	From Condition Data to Construc-tion: Multi-Criteria Framework for Matching Trenchless Methods to Pipeline Risk Assessment Farhad Daneshgar, **UT Arlington**	Framework for improving reliability, integrity of underground systems Amish Kumar Patel, **Hargrove & Associates Inc.**	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 **MOD: Cory Baker** Cory Baker, Chad Burns, **HardRock Infrastructure Services Inc.**, George Flores, **LoneStar Safety Professionals LLC**, Jim Watland	
8:30-8:55	Understanding EPA's Approach to Styrene Risk for Underground Infrastructure Dennis Pivin, **SAK**	How We Lined, Tapped & Tunneled to Victory: Dallas North Trunk Phase 2 Wastewater Interceptor Ben Gleichert, **Kimley-Horn and Associates**, Emily Krocheski, **City of Plano**	Making Better Water Main Rehabilitation Choices Randall Cooper, **SIPP Americas LLC**, Chris Macey, **AECOM**	AI-Powered Automated Reporting and Operational Intelligence for Sewer Utilities Hossein Khaleghian, **InfraTie Solutions**, Yongwei Shan, **Oklahoma State University**	The Quiet Capital Problem Hiding in Your Iron Mike Clancy, **FMI Corp.**		
9 – 9:25	36-Inch Sanitary Sewer Rehab: Lessons Learned from Sliplining a Critical Flextran Interceptor Andy Juarez, **Pate Garver, LP**, Patrick Donart, **Dickenson's Water District**, Jerry Snead, **HDR**	Getting the Most Out of Trenchless Lateral Rehab in Wastewater Collection Systems Jeff Maier, **Pipeline Rehabilitation Consulting PLLC**		Cost Estimation Guide for Trenchless Pipeline Renewal & Replacement Technologies Paria Hamidzadeh, Mo Najafi, Marjan Moradi, **UT Arlington**			
9:30-9:55	First Municipal Installation of FRP Jacking Pipe & Carbon Fiber Couplers in the U.S.: Skylar Willard, **Pate Garver**, Kirk Eager, **Future Pipe**, Carlos Quintero, **Freese and Nichols, Inc.**	Digging Out of Trouble: Field Lessons in Utility Risk and Adaptive Project Management Christopher Leonard, **Turn-Key Tunneling, Inc. - Columbus, OH**	Challenges in Crossing of Houston METRO Light Rail with 30-inch Water Line Leo Bartos, **Aurora Technical Services**, Todd Niesner, **Jacobs**, Chris Atnip, **Hines**	CCTV of Water Mains: Why AI is Making it the New Go-To Tool in Your Toolbox Mike App, **Electro Scan Inc**	AI-Powered Mapping Across the Utility Lifecycle: From Planning to Damage Prevention Joe Eberly, **4M Analytics**		
10 – 10:25	Underwater Debris Removal Using Combination Sewer Cleaning Equipment Rusty Nezat, **Nezat Training and Consulting**	When Operating Environments Exceed Qualification Limits: Managing Risk Beyond Standard Product Data & Consensus Scope Grant Whittle, **Trenchless Advisory Consultants**, Jamie Laird, **RSL Urban**	Use of Oriented Polyvinyl Chloride (PVC-O) in Rural Low-Pressure Water Distribution: Mount Pleasant, TX, Case Study Farhad Daneshgar, **UT Arlington**, Craig Fisher, **Westlake Pipe and Fitting**	Canvas of Infrastructure Management: Painting a Cohesive Picture of Diverse Assets in City of Burleson, TX Tanay Kulkarni, Steven Rhodes, **Freese and Nichols**, Janalea Hembree, **City of Burleson, TX**	Gas Line Damages and Characteristics David Heldenbrand, **Bison Engineering, Inc.**		

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10:30-10:55	Investigation to Implementation: CFRP Strengthening of Aging Large-Diameter Pipelines Through IDB Project Delivery Mike Larsen, **Structural Technologies, LLC**	H2S & pH Survey and Performance Evaluation In Existing Wastewater Structures Tom LaRue, **Armorock**	Where There's a Will, There's a Waterline: Engineering in Easements and Parking Lots [Back to 25 minutes] David Warner, Alan Moon, **Quiddity Engineering, LLC**, Raj Singh, **North Harris County Regional Water Authority**	Integrated AI & Cloud Platform: Transitioning from Reactive Workflows to Smart Asset Management Kalyan Saikia, **FieldEquip Inc**	Lessons from Recent Confined Space Fatalities: Protecting Workers in Underground Infrastructure Dennis Pivin, **SAK**	HDDA Connect Workshop (continued)	
11 – 11:25	Versatility of Microtunnelling with E-Power Pipe for Underground Cables, Pipelines {NEW}	How Sanitation Became the Cornerstone of the Roman Empire Joe Schotthoefer, **Doetsch Environmental Services**		Converging Physical Access and Cybersecurity in Critical Infrastructure: A Zero Trust Approach Shayne Spears, **HID**			
11:30 - 12	Jeremy Stenslie, **Herrenknecht Systems USA, Inc.**			Integrity Management of Buried Oil & Gas Transmission Pipelines in Libya Through Corrosion Management Iftikhar Ahmed, **Arabian Gulf Oil Company, Libya**	Advancing Underground Infrastructure Safety Through AI-Based Hazard Detection & Real-Time Alert Systems Khatere Karbassi, Mo Najafi, **UT Arlington**		Engineering Ethics C. Vipu
12-5							

EXHIBIT HALL PRESENTATIONS

WEDNESDAY	***Center Stage***
1 – 2:30	
3 – 4:30	HDD Hall of Fame