

UCT 2020 Primary Education Program, Jan. 28-30, 2020

As of Jan. 8, 2020

TUESDAY, Jan. 28

	ROOM 201A Track I-A	ROOM 201B/C Track I-B	ROOM 202A Track II Waterworks	ROOM 202B Track III Manholes Rehabilitation <i>Presented by NASSCO Manholes Committee</i>	ROOM 202C Track IV Pressure Pipe <i>Presented by NASSCO Pressure Pipe Committee</i>	ROOM 203A Track V-A: HDD	ROOM 203B Track V-B: HDD	ROOM 203C Track VI
	Sewer Construction & Rehabilitation Explore effective sewer construction and rehabilitation, under various conditions and diverse challenges, through case studies, technology options & innovative solutions.		Focus on effective, efficient ways to install, replace & rehab underground water distribution & transmission systems.	Discover cost-effective, convenient methods to expedite manhole renewal.	Gain knowledge, tips and lessons learned about pressure pipe rehabilitation.	Interesting and informative case studies, along with creative solutions to challenges/issues, emphasize how to effectively conduct HDD operations and maximize profitability.		Underground Utilities/ Damage Prevention Learn about methods & technologies to maximize opportunities for effective, timely, safe operations.
8:30 a.m.						Multiple Techniques Minimize Costs on Texas City Force Main Project	PDC Reamers Improve Drilling Performance	Best Practices for Exposing Underground Utilities, Avoiding Damage
	ROOM 201B/C KEYNOTE: Water for the People ... It Takes Leadership, Larry Patterson, P.E., Executive Director of Upper Trinity Regional Water District							
9 a.m.	Sinkhole from Hurricane Harvey: Challenges Before/ During Construction	Omaha Public Works Tackles Challenging WRRF Rehab Project	Condition Assessment of NTMWD 20" Water Supply Line	Introduction Purpose, Overview	Ongoing Evolution of Pressure Pipe Rehabilitation	Case Study on Trenchless Levee Crossings in Gulf South	HDD Advancements Combat Challenges of Rock Drilling	Municipal Collection System Metrics in Tennessee
9:30 a.m.	Environmental Impacts of Steam-Cured CIPP	Going Trenchless in Central OK: Del City Pipeline Improvements Project	City Uses Fiberglass-Reinforced CIPP to Rehab 1,900' of 16" Ductile Water Main	Structural Concrete Liners		Pre-Planning Projects/Drills	Colsman Tunnel Project: 7,614 LF of 48" HDPE	Advances in Auger Boring
10 a.m.	Sliplining 120" RCP Wastewater in Dallas	Design to Construction: Rehab, Replacement of Aged TRA Interceptor	Economic Advantages of Critical Valve Assessment & Rehab	Protective Coatings		Drilling Fluid Solidification – Cost Analysis		Excavator Alert System for Avoiding Utility Damage
10:30 a.m.	M-245 48" Sanitary Sewer Inverted Siphon Failure	Overview of San Antonio Water System (SAWS) Sanitary Sewer Reduction Program	Pipe Filling and Draining: Is it Really that Simple?	Polymer Liners	Post-Rehabilitation Operation and Maintenance	DCA Mud Panel: Dealing with Modern Mud Challenges, while Maintaining Effective Operations	What is my Roller Bit Telling me?	Construction/Rehab: Faster, Easier, Cheaper with Traditional Trench Shields
11 a.m.	Amarillo Northwest Interceptor		City of Irving's 48" MacArthur Water Line Repair with Carbon Fiber Wrap Materials	Bag Liners				OSHA's National Emphasis Program for Trench Works
11:30 a.m.	The Main & Congress Slipline Beneath Downtown Houston		AWWA Pipeline Rehabilitation Standards Update	Roundtable Discussion				Leading Practices for Cross Bore Risk Reduction

WEDNESDAY, Jan. 29

	ROOM 201A Track VII: Tunneling & Microtunneling Learn what goes into tunneling and microtunneling construction, and how to overcome related challenges, in a variety of projects.	ROOM 201B/C Track I-C	ROOM 202A Track I-D	ROOM 202B Track VIII: Young Professionals Special focus on topics and insights for young/new-to-the-field engineers and construction personnel.	ROOM 202C Track IX: Laterals Rehabilitation <i>Presented by NASSCO-Laterals Committee</i> A wide range of issues that arise, and solutions, when using lateral rehab to prevent I&I.	ROOM 203A Track V-C: HDD	ROOM 203B Track V-D: HDD
	Sewer Construction/Rehabilitation Explore effective sewer construction/rehabilitation, under various conditions & challenges, through case studies, technology options and innovative solutions.					Interesting and informative case studies, along with creative solutions to challenges, emphasize how to achieve effective HDD operations and maximize profitability.	
8:30 a.m.	Case Study of Planning/Collaboratio for Adaptation in All Phases of a Tunneling Project	Relining the Four Mile Run Relief Sewer Line Construction Management Challenges	Looking Outside the (Junction) Box: Fiberglass Round Structures Save Time, Cost	Grow Your Project Like Trees, not Weeds + Panel Discussion	Technology Overview	HDD Contractors Roundtable	
9 a.m.	The Road Less Travelled: 144" Gravity Sewer Tunnel in DOT ROW	The Engineered CIPP System	Advantages & Challenges of High-Resolution Manhole Scanners		Update on Trenchless Methods in Plumbing Codes		On-Grade & On-Line Gravity Sewers Using HDD
9:30 a.m.	Risks, Rewards in Completing a Design-Build Tunneling Project		Ohio River Interceptor Emergency Rehab – A Case Study	Getting Maximum Benefit from Visiting a Manufacturer’s Site		Good Practices for Drill Pipe Maintenance	HDD: The Green Solution
10 a.m.	Pipe Jacking & Microtunneling: Story of Rivers, Poor Ground Conditions	Pre-Construction Pipe Zone Compaction Proof Testing	TRIP: Integrating PCA Technology into Asset Management Programs	Innovative Career Development: Starting a Young Professionals Group in your Workplace	Case Study on Effectiveness	How Low Can You Go? Alternative Inverted Siphon Method Reduces Overall Costs	Words of Wisdom to Avoid Downtime in the Field
10:30 a.m.	Trenchless Methods: The Project That Wore Many Hats	Under the River and Through the Pipelines	Trenchless Manhole Rehabilitation: Ensuring Project Success	Developing Accurate Cost Estimates on Pipeline		Choosing the Correct Steering Tool	Effective Drilling Fluid & Slurry Management Options
11 a.m.	Why Did the Tunnel Cross the Road? 72" Water Line Tunneling Considerations	Between USACE and a Hard Place: Building a Sewer Collector/Lift Station Along a Lake	Houston’s 15+ Years of Sanitary Sewers Trenchless Rehabilitation	Aerial Crossing Rehab: The Only Above-Ground Topic at Underground Conference	Municipal Sewer Grouting	HDD Hall of Fame Panel: Dick Melsheimer and Martin Cherrington	20 Contracting Tips in 20 Minutes for HDD Contractors and Other Project Stakeholders
11:30 a.m.	Utilizing Trenchless Cost Effectively: High Cover Depth on Carl Barton Sewer	Remote Lateral Connection Process for Pipe Bursting			Q&A		

THURSDAY, Jan. 30

	ROOM 101 Track X: Sewer/Water/Engineering Ethics Additional sewer and water construction/rehab solutions, and the annual Code of Engineering Ethics training.	Exhibit Hall Floor - ROOM 1 Track I-E: Sewer/Water Emerging Technologies Learn about the latest technologies and methods for meeting increased demands on sewer/water system construction and rehabilitation. <i>(Consecutive, 13-minute sessions.)</i>	ROOM 102 Track V-E: HDD Emerging Technologies Learn about the latest technologies and methods for meeting increased demands on horizontal directional drilling operations. <i>(Consecutive, 20-minute sessions.)</i>
9 a.m.	Cowtown's Approach to Wrangling Storm Drains	- Commercialization of a True Mechanical Internal Services Reinstatement Process - Non-Circular Fiberglass Pipe Rehabilitation - E-power Pipe: Trenchless Cable for Long Drives & Shallow Installations - SuperCover: HD-Composite Manhole Cover - PVCO Pipe 'Future-Proofing' Water Pipelines - Multi-Sensor Inspection: Assessing Large-Diameter Pipes with 3D Digital Modeling - Nautilus: Leak and Gas-Pocket Detection - Spray-Applied Pipe Lining System for Rehab of Underground Pipes - Epoxy Coatings: Manhole Rehabilitation Solution of Choice	Gyroscopic Surveying Tools in the HDD Industry
9:30 a.m.	Installation Advances in 2 nd Edition of AWWA M55 HDPE Pipe		HDD Without Bentonite
10 a.m.	Ethics for Engineers		
11 a.m.			