

UCT 2021 Primary Educational Program

TUES. July 13	ROOM 101D Track I-A Sewer Construction & Rehabilitation	ROOM 101C Track II Waterworks	ROOM 102AB Track III CIPP 50 th Celebration	ROOM 101B Track IV Laterals Rehabilitation (NASSCO)	ROOM 101E		ROOM 103BC Track VII-A	ROOM 103A Track VII-B	ROOM 101A Track VIII-A UtiliTech
					Track V Women in Underground Infrastructure	Track VI Microtunneling/Ramming/Boring	HDD		
8:30 - 8:55	Keynote by Scott Potter, Nashville Water Services		From the Beginning: A Public-Sector Perspective	Setting the Stage: Introduction & Overview	How to Succeed in Sewer Maintenance & Construction			Random Bit Third Cutters for Hole Openers	
9:00 - 9:25	Partnership & Innovation Ensure Success of Bypass Project	Shelby's Bear of a Water Project	CIPP: Then & Now	Condition Assessment	Women Lead Historical P3 Water Supply & Integration Program in Texas		Increasing Safety & Performance in HDD: Latest Developments	Pipeline Owner/Operator Roundtable	Gas Pipeline Damage & Soil Gas Mitigation
9:30 - 9:55	Think Outside the Pipe	San Patricio Water Pipeline: Multiple Pipe Materials with Multiple Solutions		Determining the Best Repair Methods	Problem Solving: Women vs Men		Intersecting HDDs: What are your Options?		
10:00 - 10:25	Environmentally Friendly Epoxy Coating: Big Benefits to Hydroelectric Station	Geopolymer Lining of Large-Diameter Box Culvert in Memphis	ASCE MOP 145: Design of Close-Fit Liners for Rehabilitation of Gravity Pipes	Rehabilitation Considerations		Pushing Boundaries in Small-Diameter Hard Rock Microtunneling	Multi-Rig Management: How Intersect Technology Generates Efficient, Cost-Effective Operations		Excess Flow Valves: Sizing Fittings & Valves
10:30 - 10:55	Data Quality Evaluation Process for PACP Inspection Data	Large-Diameter Water Main in Urbanized Corridor: Plan, Design, Construction Challenges & Successes		Asset Management		Guided Boring, Pipe Jacking Provide Relief for Flooding in City of Mequon	Gyroscopic Surveying in the HDD Industry		Panel Discussion: Future of the Natural Gas Industry
11:00 - 11:25	Advancements in Water Pipeline Condition Assessment & Mapping Technologies	Pilot Study of 108-Year-Old 48" Cast Iron Main with Embedded Real-Time Structural Monitoring	Diversification of CIPP: -Evolution of CIPP for Fully Structural Pressure Pipe Renewal -Aerial Pipe Rehab using Fiber-Reinforced CIPP	Panel Discussion		Pipe Ramming in Running Soil Conditions: Case Study in Northern Florida	Driving Job-Site Efficiencies through Better Data		
11:30 - 11:55	Critical Thinking in Construction Engineering for Developing & Managing Underground Space	Keep Those Residents Happy! Pipe Bursting in a Constrained Job Site	-Trenchless Reconditioning of Natural Gas Pipelines via CIPP Lining			Value Engineering with Soil Stabilization & Pilot Tube Method of Guided Boring	TeraTrak R1: Re-inventing the Measuring Wheel for HDD		

WED. July 14	ROOM 101D Track I-B	ROOM 101C Track I-C	ROOM 101B Track IX: Pressure Pipe Rehab (NASSCO)	ROOM 101E Track X Manhole Rehab (NASSCO)	ROOM 103BC Track VII-C: HDD	ROOM 103A Track XI Damage Prevention & Safety	ROOM 101A Track VIII-B UTILITECH
	Sewer Construction & Rehabilitation						
8:30 - 8:55		Rehabilitating 18 Miles of 20" Water Transmission Main in 16 Weeks	Condition Assessment & Prioritization	It "Ain't Easy Being Me" (Owner/ Decision-Maker)		Excavations don't Have to be Big to Cause Big Problems	
9:00 - 9:25	Glass UV Liner Alternatives: Field Applications of UV-Cure Felt CIPP for Small-Diameter Sewer Rehabilitation	Artificial Intelligence: Case Studies in Condition Assessment in Wastewater Collection Systems	Pipe Rehabilitation Evolution from Gravity to Pressure Pipe	First Step: Condition Assessment	HDD Contractors Roundtable	We're in this Together: Everyone Plays an Important Role in Damage Mitigation	Demonstrate Commitment: Safety from the Executive Office to the Frontline
9:30 - 9:55	Minimally Invasive Methods for Installing Sewer Service Cleanout with Same-Day Restoration	Emerging Technology: New System for Lateral Repairs, Connections	Specification & Design	Specs for Success		Locate, Inspect, Plan: Best Practices for Damage Prevention in HDD Process	Digging Activity Real-Time Alerts
10:00 - 10:25	What Lies Beneath? Identifying & Maintaining Buried Wastewater Assets	Remediating I&I with iTracking Micro Detection Technology	Construction	Lessons Learned in the Manhole Rehabilitation Business	Combatting the Shrinking Job Site with Evolving Maxi HDD Systems	Finally, Useful Underground Mapping	Panel Discussion: Status of SMS in the Pipeline Industry
10:30 - 10:55	Extending Pipeline Life & Reducing/ Eliminating SSOs via Aggressive Cleaning	Cleaning can be a Bitter Pill; Smart Tech-Cure Lowers Costs, SSO	Inspection	Manhole Rehabilitation from the Inspector Point of View	DCA Roundtable		
11:00 - 11:25		Sewer Force Main Condition Assessment Approaches using New Technologies	Owner/Decision-Maker	Life is Good – Finally in Control		Installing & Mapping Underground Infrastructure while Capturing GPS: Today, Tomorrow & Beyond	
11:30 - 11:55	Coatings are Stupid! YOU are the Brains Behind a Successful Coatings Project	CIPP or Geopolymer? How to Select the Correct Rehabilitation Method	Panel Discussion	Panel Discussion		Virtual & Mixed Reality Training in Damage Prevention	

THURS. July 15	ROOM 102AB Track I-D: Sewer Construction & Rehabilitation	
	8:30 - 9:25	Stormwater Sewer Maintenance
	9:30-10	How to Stop the Dog from Chasing its Tail