

**UCT 2018 Educational Program, Jan. 30-Feb. 1**

<b>TUESDAY January 30</b>	<b>ROOM R-03 Track I-A</b>	<b>ROOM R-04 Track I-B</b>	<b>ROOM R-05 Track II</b>	<b>ROOM R-06 Track III</b>	<b>ROOM R-07 Track IV</b>	<b>ROOM R-08 Track V</b>	<b>ROOM R-01 Track VI-A</b>	<b>ROOM R-02 Track VI-B</b>
	<b>Sewer Construction &amp; Rehabilitation</b> Effective construction and rehabilitation of sewers under various conditions and diverse challenges are explored through case studies, technology options and innovative solutions.		<b>Waterworks Conference</b> This track focuses on efforts to effectively and efficiently install, replace and rehab underground water distribution & transmission systems, in addressing aging infrastructure.	<b>Laterals Rehabilitation</b> <i>Presented by NASSCO-Laterals</i> These presentations cover a wide range of issues – from assessment to replacement – that arise when using lateral rehab to prevent I&I.	<b>Pipe Bursting Fundamentals</b> <i>Presented by Intl. Pipe Bursting Assoc</i> This track covers the decision matrix, proper design, market issues and other considerations when choosing pipe bursting as the rehab option.	<b>NASTT Trenchless Forum</b> <i>Hosted by NASTT</i> Learn about the role and value of inspection and quality assurance/ quality control in successful trenchless projects.	<b>HDD Operations &amp; Productivity</b> Interesting and informative case studies, along with creative solutions, emphasize how to effectively conduct horizontal directional drilling operations and maximize profitability utilizing rigs of all sizes.	
8:30 am	Take Control of Manhole Inflow & Infiltration	Lessons Learned on East Baton Rouge Sewer Overflow Comprehensive Rehab	Pipeline Condition Assessment: Devil is in the Details	NASSCO Lateral Overview Documents	Design Considerations, Benefits of Pipe Bursting			PDC Cutters, Tooling in HDD Applications
9:00 am	Engineered Gaskets + CIPP = Verifiable Watertight Sealing	Sioux City Uses HDD to Install Twin 36" Casings for Sewer Siphons	Success Story: Euless, TX, Water Conservation Planning, Reclamation		Managing Expectations for Trenchless Rehabilitation, Renewal		Gain Job-Site Efficiency by Improving Value of HDD Pipe	Selecting the Right Reamer
9:30 am	UV-Cured Fiberglass CIPP for Pipes That Change Shape	Los Angeles Sewer Repair is Sensitive to Residents' Concerns	IDIQ Contract Success in Corpus Christi Water System	Lateral Inspection, Evaluation, Design	Financial Intelligence of Pipe Bursting		Latest HDD Crossings in North America	University Research Cleans Up HDD Fluid Costs
10:00 am	Fast-Tracked Microtunneling Project Benefits all Stakeholders	Substitute Service Line Improves Health, Safety of Houstonians	New Orleans Water Main Replaced With Compression-Fit HDPE	CIPP Lateral Lining	Case Studies: Asbestos Cement Pipe Bursting; EncapsulAC	Inspection and QA/QC for Trenchless Projects	How Safe are Your Procedures for Making, Breaking Connections?	Installing Sewer System Under a Building, Settling Soils, Piles
10:30 am	Eagle on a Par 5: Fort Worth's Sycamore Creek Relief Interceptor Design	Valley Forge, PA, Thermoplastic Rehab of 18,000-LF Pipeline	Regional Approach to Expand North Dakota Water System	Grouting Laterals	Mitigating Risk in Class C Pipe Bursting Projects		DCA HDD Panel: Hot Tech & Trends for HDD	
11:00 am	Vista, CA, Geopolymer Liner Minimizes Culvert Rehab Impact	First Major Pilot Tube Project in the Detroit Area	Protocol for Structural Classifications Aligns Rehab Problems With Lining Products	Ask the Experts	Case Study: Multiple Challenges of Shreveport Bursting Program			
11:30 am		Pilot Tube Guided Boring Solutions Meet Project Challenges						

WEDNESDAY January 31	ROOM R-07 Track VII	ROOM R-08 Track VIII	ROOM R-03 Track I-C	ROOM R-04 Track I-D	ROOM R-05 Track IX	ROOM R-06 Track X	ROOM R-01 Track VI-C	ROOM R-02 Track XI	
	<b>Workshop on Municipal Grouting</b> This workshop delivers a baseline, fundamental knowledge of how and why injecting grouting stops I&I.	<b>Sewer Rehabilitation Strategy Seminar</b> This seminar teaches a strategy for a successful sewer rehab program to reduce SSO and I&I.	<b>Sewer Construction &amp; Rehabilitation</b> Effective construction and rehabilitation of sewers under various conditions and diverse challenges are explored through case studies, technology options and innovative solutions.		<b>Pressure Pipe</b> <i>Presented by NASSCO Pressure Pipe Committee</i> Learn about the design, use and inspection of liners in pressure pipe applications. [40-minute sessions]	<b>Manhole Rehabilitation</b> <i>Presented by the NASSCO Manhole Committee</i> Discover cost-effective, convenient methods to expedite manhole renewal.	<b>HDD Operations &amp; Productivity</b> Interesting and informative case studies, and creative solutions, emphasize how to effectively conduct HDD operations using all-size rigs.	<b>Underground Utilities Construction</b> Learn about combining various methods and technologies to maximize opportunities and make operations effective, timely and safe.	
8:30 am	Workshop on Municipal Grouting	Sewer Rehabilitation Strategy Seminar	Design, Permitting of Trenchless Crossings in USACE Flood Control Projects		CIPP for Large Diameter Pressure Pipes		HDD Contractors Roundtable	Creative Dewatering Keeps Nuclear Plant Cool	
9:00 am			Maximizing Capacities to Address High-Profile, New-Development Impacts	Fort Drum Rehabs Four Large Road-Supporting Parallel Pipes				New Inspection Technologies & How to Use the Info in MACP	End of the Road for Noise & Safety Complaints
9:30 am			Tampa Junction Chamber Emergency Repair Combines Two Rehab Solutions	PCCP Problems, Potential Solutions in Sewer Applications		Navigating Bends in Pressure Pipe Rehabilitation	When, Why and How of Manhole I&I Elimination	The Connected Job Site	
10:00 am			Montgomery County Design-Bid-Build Uses Innovative Reline Solution	Fort Worth's Low-Pressure Sewer System Extended to Lake Worth Shores			Cementitious Liners	Strategies for Combatting Rock	Ramming Saves Jack and Bore Project
10:30 am			City Panel Discusses Buried Infrastructure Asset Management	High-Profile Pressure Pipe Rehab in Virginia		Guidelines for Developing Pressure Pipe Rehab Specs	Corrosion Protection With Polymer Liners	Innovative HDD Training Prepares Next-Generation Drill Operators	E-Power Pipe: New Trenchless Method for Underground Cable Installation
11:00 am					Franklin Township Sewerage Authority's Point Repair Program		Ask the Experts	The Importance of Proper Inspection	Strategies for Effective Fluid and Waste Management
11:30 am					Geopolymer Cement Eliminates Risky Trenching Replacement for Manholes, Pipes, Culverts		Ask the Experts	Managing IR Risk: A New Model is Required	Building Your Internet Marketing Machine

THURSDAY February 1	ROOM 1/Exhibit Hall floor Track XII	ROOM 2/Exhibit Hall Floor Track I-E	ROOM 3/Exhibit Hall Floor Track VI-D
	<b>Engineering Ethics</b> The Code of Ethics for Engineers will be presented, as well as case studies related to ethics, for engineers in the public and private sectors.	<b>Sewer/Water Construction &amp; Rehab Emerging Technologies</b> Learn about the latest technologies and methods for meeting increased demands on sewer/water system construction and rehab.	<b>HDD Emerging Technologies</b> Learn about the latest technologies and methods for meeting increased demands on horizontal directional drilling operations.
8:30 am	Ethics for Engineers	Presentations to date: <ul style="list-style-type: none"> <li>Ox Equipment's European dry-suction excavation systems</li> <li>Vortex Companies' geopolymer liners</li> <li>SippTech's SippSteel</li> </ul>	Presentations to date: <ul style="list-style-type: none"> <li>QuickConnect's Universal Pull Head</li> <li>Universal HDD's innovative, unconventional solutions</li> <li>Ox Equipment's European dry-suction excavation systems</li> </ul>
9:00 am			
9:30 am			