The trenchless community converged in Dallas for NASTT’s 2016 No-Dig Show March 20-24, attracting a record number of exhibitors and more than 2,000 attendees. The premier trenchless event on the calendar, the No-Dig Show once again provided the perfect blend of business, education and networking during the run of the conference.

The 2016 event marked return to Big D and the Gaylord Texan Resort and Convention Center for No-Dig. The show made a stop in this Lonestar State hub and the Gaylord Texan, which overlooks Lake Grapevine, in 2008. Attendance for this return trip topped the 2,000 mark and set a record for the number exhibiting companies at 185.

The No-Dig Show brings together the industry’s past, present and future, honoring the indelible work that trenchless professionals have created. The 2016 Trenchless Technology Person of the Year was formally presented to Lynn Osborn — an industry professional who has helped to shape and expand the trenchless industry over the last 30 years — and all of the winners of the 2015 Trenchless Technology Projects of the Year were recognized. NASTT inducted its fifth Hall of Fame Class: HDD pioneer Martin Cherrington, engineer and NASTT founding member and chairman Richard Thomasson and Insituform Technologies Ltd.’s Ken Foster. Past NASTT Chairman Derek Potvin, Robinson Consulting, received the NASTT Chairman’s Award for Outstanding Lifetime Service; and Mary Neher, Bennett Trenchless Engineers, and Rory Ball, Hatch Mott McDonald, received the Trent Ralston Award for Young Trenchless Achievement.

The No-Dig Show has two main attractions that are huge draws. One is its highly-acclaimed Technical Program, with more than 160 peer-reviewed papers through six tracks presented in 2016. The papers represented a broad range of industry topics, covering the gamut of trenchless methods and issues. The sessions this year included six Roundtables that featured different trenchless topics (Manhole Rehab, Microtunneling, HDD, Water Main Rehab, Stormwater/Condition Assessment and Alternative Project Delivery), as well a dedicated Gas Industry Track. The other is the exhibit hall, in which attendees can see first-hand the latest products that are keeping the trenchless industry moving forward in its quest to address the utility construction and repair industry.

In 2017, the NASTT No-Dig Show will be held at the Gaylord National Hotel & Convention Center in Washington, D.C., April 9-13. Deadline to submit an abstract for the technical program is June 30, 2016.

Sharon M. Bueno is managing editor of Trenchless Technology.
NASTT board members Dennis Walsh and Bo Botteicher present the 2015 Outstanding Paper for Rehab to John Matthews, Lawrence Pultz II and Edward Alan Ambler.

Tom Hayes with Murphy Pipeline Contractors (right) accepts the 2015 Trenchless Technology Project of the Year award from editors Jim Rush and Sharon M. Bueno.

Michels Corp.'s Greg Goral and Tim McGuire (far right) accept the 2015 Trenchless Technology Project of the Year Award for New Installation from Trenchless Technology editors Jim Rush and Sharon M. Bueno.

NASTT board members (l-r) Frank Firsching, Jeff Maier and Kim Staheli perform the ceremonial ribbon cutting.

NASTT board members Dennis Walsh and Bo Botteicher present the 2015 Outstanding paper for New Installations to Matthew P. Olson of Staheli Trenchless.

Trenchless Technology publisher Bernie Krzys (left) with Dr. Ray Sterling kicking off the World Trenchless Day campaign. NASTT board members (l-r) Frank Firsching, Jeff Maier and Kim Staheli perform the ceremonial ribbon cutting.

The Exhibit Hall was jam-packed during the run of the show, with attendees eagerly looking for the latest trenchless products.

All the sessions in the Technical Paper program were well attended.

www.trenchlessonline.com
NASTT INDUCTS 2016 HALL OF FAME CLASS

One of the featured events at the No-Dig Gala Dinner, held March 22, was the induction of NASTT’s fifth Hall of Fame class, recognizing the contributions of three trenchless industry leaders. The induction class honored before its peers were: HDD pioneer Martin Cherrington, engineer and NASTT founding member and chairman Richard Thomasson and Insituform Technologies Ltd.’s Ken Foster.

In 2010, the NASTT Board of Directors voted to create a Hall of Fame in order to ensure that the Society’s most outstanding and praiseworthy members received due recognition. The intent of the NASTT Hall of Fame is to preserve the outstanding accomplishments of exceptional individuals and to honor their contributions to the advancement of both the trenchless industry and the society.

Martin Cherrington conceived the use of horizontal directional drilling (HDD) as a practical alternative to conventional trenching methods beginning in the 1960s. HDD would ultimately revolutionize the way the construction industry would come to install underground piping on a worldwide basis. Cherrington’s stature in the trenchless industry is iconic and as such, he is known as the ‘Father of HDD.’

Richard Thomasson is the original chair of NASTT and is one of the five individuals who founded the society in 1990. His commitment and loyalty to NASTT over the decades is considerable and honorable. He is a long-time member of the Program Committee and has contributed to the technical paper program numerous times. A former municipal employee turned consultant,

ROCKIN’ AUCTION RAISES NEARLY $90,000 FOR NASTT EDUCATIONAL FUND

Lady Gaga was in the house, as was Ozzy Osbourne, KISS and Slash and Axl Rose from Guns ’n Roses and a lot of other rockers for the 15th annual Educational Fund Auction and Reception, held March 21 — a popular networking event for attendees after a full and busy day of technical sessions and walking the exhibit hall. This year’s event raised just a smidge under $90,000, according to NASTT officials. The raised funds go toward financial support for NASTT’s 15 student chapters; since 2002, the auction was more than $930,000 for those efforts.

Curt Albin with Ritchie Bros. Auctioneers served as the official auctioneers for the popular No-Dig event; a silent auction was also held. During the auctions, a wide range of items were donated and bid on from jewelry and electronics to sporting event tickets and trenchless tools and equipment.

Once again, the popular Mortimer the Sewer Rat was up for bid. The winning bidder for Mortimer was Midwest Mole and he’ll spend the next year traveling with the contractors, checking out the trenchless jobsites.

The rock ‘n roll theme proved to be a fun choice as attendees’ inner rock stars emerged with the theme. Tying for first place for the women was: Cindy Preuss, Jennifer Glynn, Wendy Del Nero and Jeannette Rankin as KISS, with Vicki Miner and Nicole Lane as The Runaways. On the men’s side, the winner was George Ragula as Stevie Wonder. In NASTT’s Tropical Vacation Raffle (announced at the Closing Luncheon and donated by Vermeer), the winner was Mike Hawkins of Georg Fischer Central Plastics LLC.

This year’s auction raised just under $90,000, bringing the total since 2002 to more than $930,000 for support of NASTT student chapter activities.

The annual bidding of Mortimer the Sewer Rat was fierce, with Midwest Mole named the winning bidder.

Tying for first in the costume contest in the women’s division were KISS and The Runaways.

Thomasson is well known throughout our industry, with more than 30 years of experience with trenchless projects.

Ken Foster, over the past decades, has been a leading presence in the trenchless industry in Canada, the western United States and the United Kingdom. He has been a major contributor in the field of asset management providing expertise to countless municipal rehabilitation programs, as well as being on the cutting edge of product and procedural development. Always the ambassador, Foster has tirelessly promoted trenchless technologies, particularly at the municipal level.

The class of 2016 NASTT Hall of Fame with NASTT chair Kim Staheli: Martin Cherrington, Ken Foster and Richard Thomasson.
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The No-Dig Show is the place to unveil the latest in trenchless technologies and this year was no exception. There were many new products — rehabilitation and new installation — on the exhibit hall floor in 2016, highlighting the fact that the trenchless industry continues to grow to new heights.

Each year, NASTT recognizes these technological advancements through the Joseph L. Abbott Jr. Innovative Product Awards. Annually, two companies with state-of-the-art products are chosen as recipients of this honor.

This year, the Innovative Products Awards were presented to HammerHead Trenchless Equipment for its Gas Pipe Slitting System and to Akkerman Inc. for its AZ100 Guidance System.

HammerHead’s system, called Same Path, provides the industry with an efficient and productive solution for the trenchless replacement of failing plastic natural gas distribution pipes. The tooling is suitable for replacing existing runs of one half-inch through 4-in. PVC, HDPE, MDPE and Aldyl-A pipe with new MDPE or HDPE pipe. The patented, modular tooling string components include expanders, connectors and splitting tools with replaceable harden-steel blades. The tooling string design allows contractors to easily replace worn tooling and choose from a selection of cable size and winch options. Coupled with the most advanced trenchless winches in the industry, these tools slice through deteriorating plastics while installing a brand new gas distribution system.

Accurate tunneling navigation is vital to long distance and curved installation success and operators must rely on the precision of a dynamic and vigorous monitoring system. Akkerman’s AZ100 total Guidance System was co-developed through a partnership between Akkerman and ZED for extended and curved tunneling, pipe jacking and microtunneling applications. The system is comprised of individual, self-leveling, station units that maintain a surveyed connection throughout the alignment without the need for continuous manual surveying. The TGS100 target is axially mounted behind the machine’s articulation cylinders at line and grade, and registers the position and angles of incidence of the red laser emitted from the guidance system.

The annual Closing Luncheon, held March 23, gave everyone a chance to say good-bye and the opportunity for NASTT to get a jump on pumping up the industry for the 2017 show in Washington, D.C. 2017 No-Dig Show Program Committee chair Jennifer Glynn filled everyone in on what they can anticipate in our nation’s capital, April 9-13 at the Gaylord National Convention Center.

The Call for Papers for the 2017 conference is out. Prospective authors are invited to submit a 250-word abstract outlining the scope of their paper and the principal points of benefit to the trenchless industry. The abstracts must be submitted electronically by June 30, 2016. NASTT’s all-volunteer Program Committee will meet in August to review the abstracts and select the papers that will be presented at the 2017 No-Dig Show. For more information, visit nodigshow.com.
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Exhibits Only |  | 
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$50 |  |  

WEDNESDAY, MAY 18, 2016

7:30 AM – 5:00 PM Registration Open
7:30 AM – 8:55 AM Continental Breakfast

SESSION 1 Morning: ASSET MANAGEMENT
8:30 Advances in Water Strategic Asset Management
Dr. Mark Knight
University of Waterloo
8:55 Opportunistic Watermain Inspection and Sampling Protocol
Patrick Mosiwa
Robinson Consultants
9:20 Integrating CCTV with Asset Management - Doing More With Less
Vince Musacchio
City of Vaughan
9:45 Advancing the Trenchless Industry - A Municipal Challenge
Jonathan Pearce
City of Waterloo
10:10 NETWORKING BREAK
10:25 Advances in Buried Infrastructure Asset Management: A Case Study
Cliff Jones
Syrinix Ltd.
10:50 Improved Management of Water Infrastructure Assets Using Non-Invasive Acoustics
John Marciszewski, Manoj Patel
EchoLogics
11:15 Integrated Capital Planning
Johan Krijnjen
City of Cambridge

SESSION 2 Morning: HORIZONTAL DIRECTIONAL DRILLING
8:30 Adversity While Drilling Rock
Andy Breathwaite
HammerHead Trenchless Equipment
8:55 Tools for Maximizing Success on a HDD Job Site
Travis Koster, Cory Mass
Vermeer Corporation
9:20 Fusible PVC Done Right
Marek Kiedrowski
GHD
9:45 Trenchless Design - A Comprehensive Introduction
Gene Woodbridge
Earth Boring Co. Ltd.
10:10 NETWORKING BREAK
10:25 Comparison of the Horizontal Directional Drilling Market in Mainland China and North America
Dr. Sam Ariaratnam
Arizona State University
10:50 Directional Drilling: Know Your Soils!
Gene Woodbridge
Earth Boring Co. Ltd.
11:15 Head to Head: Open Cut VS Trenchless
Bradley Marin
GHD

REGISTER TODAY

www.catttrenchlessroadshow.ca/online-registration
SESSION 3 Morning: PIPELINE INSPECTION
8:30 Development of Standardized Water Main Condition Classification System
Ravun Younis - University of Waterloo
8:55 Robotic In-Line Inspection Crawlers for Assessing Urban City
Buried Pipelines Without Excavation
Aaron Huber, Jonathan Minder - Diakont
9:20 Pipelines Condition Assessment
Dwayne Holstein - GHD
9:45 Using Acoustic Inspection to Prioritize Sewer Cleaning
George Selmko - InfoSense Inc.
10:10 NETWORKING BREAK
10:25 Mapping Underground Flooded Infrastructure
Dan Cournsue - ASI Marine
10:50 Advancements and Alternatives in Underground Infrastructure Inspection
Jamie Winters - Joe Johnson Equipment
11:15 Forcemain Condition Assessment – Looking at Your High Risk Wastewater Assets
Allison Biggar - Pure Technologies
11:45 - 1:00 Exhibit Hall Ribbon Cutting Ceremony and Exhibit Hall Hours
1:00 - 2:00 Live Demos

SESSION 4 Afternoon: WATER MAIN INSPECTION
2:00 Condition Assessment VS Monitoring: The Pros and Cons
Cliff Jones - Synrix
2:25 Managing Hamilton’s Large Diameter Transmission Mains Through Live Inspections
Mike Zangh - City of Hamilton
Dave Crowder - RV Anderson Associates Ltd.
2:50 Cast Iron Trunk Main Assessment Approach for the City of Hamilton
Chris Martine - Robinson Consultants Inc.
3:15 NETWORKING BREAK
3:30 How Direct Condition Assessment Saved The City of Calgary and Others Million
William Jappy - PICACorporation
3:55 Mind the Butterflies: Condition Assessment in a National Wildlife Refuge
Gary Corbett - PICACorporation
Ed Brain - Ecologics
4:20 Tomahawk Makes A Better CIPP Installation
Randy Cooper - Envirotec Engineering, Inc.

SESSION 5 Afternoon: SEWERS - REHABILITATION & DESIGN CONSIDERATIONS
2:00 CIPP Line Coop Response After 10 Years of Loading
Dr. Mark Knight - University of Waterloo
2:25 I/I Mitigation - Sealing the Sanitary System
Mark Norgard - LMK Technologies
2:50 Is It Really Structural? Designing for Large Diameter Pipe Rehabilitation
Kath Walker - APM Parmaform
3:15 NETWORKING BREAK
3:30 Rehabilitated Maintenance Hole Inspection
Kevin Bambidge - Robinson Consultants
3:55 UV CIPP
Mike Burkhard, Gary Lemberger - Reline America
4:20 Sealing the Connection for Large Diameter Pipes Trenchlessly
Mark Norgard - LMK Technologies

SESSION 6 Afternoon: TUNNELING & MICROTUNNELING - SYSTEMS & APPLICATIONS
2:00 Twinning of Etobicoke Creek Trunk Sanitary Sewer Project at Pearson International Airport
Walter Trias - CRS Tunnelling Canada
Joe Mulville - Super Excavators
2:25 Direct Pipe Installations in Canada
Dr. Gerhard Lang - Harenkranz AG
2:50 City of Niagara Falls: A First Experience with Trenchless Technology
Chris Anders - City of Niagara Falls
3:15 NETWORKING BREAK
3:30 Incorporating Lined Reinforced Concrete Pipes and Low-Head Pressure Concrete Pipes for Microtunneling Installations
Maged Michael - INCAST Ltd
3:55 Challenging Aspects of Providing Geotechnical Baseline for Microtunneling in Difficult Ground Conditions
Hua Mahdavi, Allan White - AECONS
4:20 Microtunneling: Theoretical VS Actual Drive Forces - Developing Practical Predictive Models
Gene Woodbridge - Earth Boring Co. Ltd.
5:00 - 6:30 Networking Reception & Raffle - Exhibit Hall

SESSION 7 Morning: PRESSURE PIPE REHAB
8:30 Pressure Pipe Renovation: the New Battleground for CIPP
Kalleh Rahimi - Interplastic Corporation
8:55 Understanding the Advantage of a Flexible Composite Pipe
Aliis Mueller - Primus Line
9:20 Cured-In-Place Pipe Watermain Rehabilitation: What’s It All About
Gabriel Wong - GHD
9:45 CIPP Watermain Lining and Declining Water Quality
Jonathan Pearce - City of Waterloo
10:10 NETWORKING BREAK
10:25 Watermain Class IV Structural Lining: Special Applications and Layouts
Georges Dorr - Aquarehab
10:50 Development of a Watermain Rehabilitation Technology and System for Maintenance Operations
Mark Knight - University of Waterloo
11:15 Fully Structural Renewal of 1000mm RCCP Water Transmission Main with Swagelining™ and HDPE
Todd Grafenauer - Murphy Pipelines

SESSION 8 Morning: EMERGING TECHNOLOGIES, SUITE
8:30 Ground Truthing Infiltration & Inflow - Case Studies & Comparison of Electric Current Variation Scans in Sewers
Lisa Piko - DM Robichaud
8:55 Fold and Form PVC Liners for Sewer and Culvert Rehabilitation
David Ohayan - IFEX
9:20 Hubbell Road Culvert Rehabilitation
Hugh Nickol - Contech Engineered Solutions
9:45 Alternative Pipe Material Choices Provide Trenchless Solution
Col刘某 - Col Partners
10:10 NETWORKING BREAK
10:25 Application of Subsurface Utility Engineering in Tunneling Design
John Scaife - Col Engineering
10:50 Subsurface Utility Engineering
Steffen Werner, Lawrence Arcand - T2 Utility Engineers
11:15 Sewer Crossboros: Managing Legacy Gas Installations while Mitigating Future Crossboros
Michael McGivney - Enbridge Gas Distribution
10:00 - 1:00 Exhibit Hall Hours
12:00 - 1:00 Live Demos
1:15 - 1:50 Keynote Speaker - Peter Gallant, WaterTAP
Championing Canada’s Innovative Trenchless Technology Sector

SESSION 9 Afternoon: TRENCHLESS PROJECT PLANNING
2:00 Implementation of SSES Recommendations and SSES Pilot Study Program
John Harper - CDM Smith
2:25 Pilot Tabe Method of Installing Sewers and Case Studies
David Gill - Logan Clay Products
2:50 Orleans Cumberland Collector Clearing
Gerald Bauer, Colin Goodwin - Stanco
3:15 NETWORKING BREAK
3:30 City of Toronto Trunk Sewer Rehabilitation Program
Beatrice Young - Toronto Water
3:55 Sewer Lateral Lining Program - City of Hamilton
Harry Krinas - City of Hamilton

SESSION 10 Afternoon: SPOTLIGHT ON TRENCHLESS PROJECTS
2:00 Project Highlight: Bayonne Trunk Sanitary Sewer
Dennis Vienes - APAG
2:25 Case Study of Large Diameter Egg Profile Sewer Rehabilitation
Using Structural GPR, Grouted in Place Panel Lining, for the City of Winnipeg
Andy Sherwin - Channelline
2:50 20 Years of Proven Antimicrobial Protection
Keith Walker - ConShield Technologies
3:15 NETWORKING BREAK
3:30 Bathurst Street & Toston Road Watermains
Khaled Ehab - GHD Limited
Walter Trias - CRS Tunnelling
3:55 Storm Sewer Rehab via Centrifugally Cast Fiberglass Reinforced Polymer Pipe
Vince Paparozzi - HOBS Pipe