

Microtunneling for Pressure and Gravity Pipelines

PRESENTED BY: **CENTRE FOR ADVANCEMENT OF TRENCHLESS TECHNOLOGIES (CATT)**



February 20, 2018 | Mississauga Grand, 35 Brunel Road Mississauga

Tuesday February 20, 2018

8:00AM - 4:00PM

BREAKFAST, LUNCH AND REFRESHMENTS INCLUDED

MISSISSAUGA GRAND
35 Brunel Road, Mississauga

Also available via Live Webcast!

WORKSHOP OVERVIEW

This one-day workshop will focus on the construction of municipal pipelines using the Microtunnelling trenchless construction method. Over the past several years Ontario has grown from not using Microtunnelling to becoming a leader in North America for complex and challenging projects that include curved concrete pipelines. Microtunnelling construction benefits include: reduced risk during construction, large greenhouse gas emission savings, rapid out-of-sight and out-of-mind construction, significant reduction in social and environmental costs.

Attendees will learn from leading international and national industry experts on state-of-the-art construction equipment, processes, design, construction risk mitigation and quality control and quality assurance. In addition, local case studies will be presented to demonstrate how successful on time and on budget projects can be constructed locally. This is a workshop you will not want to miss and is held only once a year.

Schedule*

8:00 - 10:15 | **MICROTUNNELING PROCESS AND EQUIPMENT**

10:15 - 10:30 | Networking Break

10:30 - 11:00 | **JACKING PIPE AND DRILL FLUIDS**

11:00 - 11:30 | **GUIDANCE CONTROL AND DATA MANAGEMENT SYSTEMS**

11:30 - 12:00 | **THE HYDRAULIC JOINT - KEY TO CURVED MICROTUNNELING**

12:00 - 12:45 | Lunch

12:45 - 13:30 | **ASCE MICROTUNNELLING GUIDELINES**

13:30 - 14:00 | **KNOW YOUR SOIL/ROCK SITE CONDITIONS**

14:00 - 14:30 | **PROJECT RISK MITIGATION AND DESIGN**

14:30 - 14:45 | Networking Break

14:45 - 15:15 | **CASE STUDY 1**

15:15 - 15:45 | **CASE STUDY 2**

15:45 - 16:15 | **CASE STUDY 3- SHANGHAI FORCEMAIN- FAILURE TO SUCCESS**

* Subject to modifications

Who Should Attend?

Consulting Engineers, Designers, Municipal Employees, Contractors, Field Technicians, Suppliers, etc. with An Interest In Municipal Pipelines and whom wants to keep abreast of Emerging Industry Trends.

Included

- Course Material
- Breakfast, Lunch, and Refreshment during Networking Breaks
- 0.7 CEUs

Registration Form

Microtunneling for Pressure and Gravity Pipelines

Tuesday February 20, 2018, Mississauga Grand, Mississauga

UPCOMING CATT EVENTS

RETURN ON INVESTMENT FOR
CONDITION ASSESSMENT PROGRAMS
MAR 7-2018

TRENCHLESS TECHNOLOGY ROAD SHOW
MAY 15-17-2018

NAME: _____

TITLE: _____

COMPANY: _____

ADDRESS: _____

CITY: _____

PROV: _____

POSTAL CODE: _____

PHONE: _____

EMAIL: _____

EARLY BIRD REGISTRATION

RECEIVED BY: December 31

\$450/CATT MEMBER

\$600/NON-MEMBER

REGULAR REGISTRATION

RECEIVED: January 1 TO February 15

\$550/CATT MEMBER

\$700/NON-MEMBER

ON-SITE REGISTRATION

RECEIVED AFTER: February 15

\$650/CATT MEMBER

\$800/NON-MEMBER

Tax (HST 13%) \$ _____ Total \$ _____

LIVE WEBCAST

I would like to attend via LIVE WEBCAST

THE CENTRE FOR ADVANCEMENT OF TRENCHLESS TECHNOLOGIES

(CATT) was established in 1994 to help municipalities address their buried infrastructure challenges using new and less disruptive trenchless construction methods and infrastructure asset management practices.

Since 1994 CATT has been recognized as an international leader in buried infrastructure construction, condition assessment, renovation and asset management.

For more information on CATT and member benefits visit www.catt.ca.

METHOD OF PAYMENT - PLEASE PICK ONE

INVOICE COMPANY

CREDIT CARD (MasterCard, VISA, American Express)

CARD #:

EXP: /

NAME ON CARD:

CVC:

CHEQUE (Payable to "University of Waterloo, Attn: Centre for Advancement of Trenchless Technologies")

COMPLETED REGISTRATION FORMS CAN BE FAXED TO (519) 746 6556 OR MAILED to Alice Sevióra:

MAIL: CENTRE FOR ADVANCEMENT OF TRENCHLESS TECHNOLOGIES
Department of Civil and Environmental Engineering
University of Waterloo, Waterloo, ON N2L 3G1
ph 519 888 4770 f 519 746 6556 email: alice.sevióra@uwaterloo.ca

Note: To prevent fraud never send credit card information via email.

Refund Policy: please visit www.catt.ca for details on CATT's refund policy.

PLATINUM MEMBERS



Insituform
an AEGION company



Inversa
SYSTEMS

ROBICHAUD
NODIG SEWER SOLUTIONS

IPEX
Committed to Excellence



CANADA
PIPE



AQUAREHAB

HAMMERHEAD
TRENCHLESS EQUIPMENT

LiquiForce
No-Dig Pipeline Rehabilitation

GOLD MEMBERS