

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 - 4:15PM

**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 – 8:05 | INTRODUCTION

8:05 – 10:15 | MICROTUNNELING PROCESS AND EQUIPMENT
Gerhard Lang, Herrenknecht AG

10:15 – 10:30 | Networking Break

10:30 – 11:30 | JACKING PIPE AND DRILL FLUIDS
Mark Knight, University of Waterloo

11:30 – 12:00 | GUIDANCE CONTROL AND DATA MANAGEMENT SYSTEMS
Marius Cornea, VMT

12:00 – 12:45 | Lunch

12:45 – 13:30 | REVISED METHOD FOR ESTIMATING MICROTUNNEL
JACKING FORCES
Alexander Burnett, Hatch

13:30 – 14:30 | GEOTECHNICAL INVESTIGATION AND RISK MANAGEMENT
FOR MICROTUNNELING PROJECTS
Masoud Manzari, Thurber Engineering

14:30 – 14:45 | Networking Break

14:45 – 15:15 | CASE STUDY 1
Gene Woodbridge, Earth Boring

15:15 – 15:45 | CASE STUDY 2
Walter Trisi, CRS Tunneling

15:45 -16:15 | CASE STUDY 3- SHANGHAI FORCEMAIN- FAILURE TO
SUCCESS
Mark Knight, University of Waterloo

* 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

UNIVERSITY OF
WATERLOO

Registration Form

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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

REDUCING THE COSTS OF I & I USING
TRENCHLESS APPROACHES
SEP 12-2018

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 Seviora:

MAIL: CENTRE FOR ADVANCEMENT OF TRENCHLESS TECHNOLOGIES
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University of Waterloo, Waterloo, ON N2L 3G1
ph 519 888 4770 f 519 746 6556 email: alice.seviora@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



GOLD MEMBERS

