

Municipal Construction of Sewers and Watermains Using Microtunneling

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



Thursday February 21, 2019

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 sewers and watermains 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 installations, and sea and lake outfalls. Microtunnelling construction benefits include: reduced risk during construction, large greenhouse gas emission savings, rapid out-of-sight and out-of-mind construction, and 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 - 10:50 | JACKING PIPE DESIGN AND MANUFACTURING
David Archer, Decast Ltd.

10:50 - 11:10 | FIBREGLASS JACKING PIPE
Vince Paparozzi, Hobas Pipe USA

11:10 - 11:40 | GUIDANCE CONTROL AND DATA MANAGEMENT SYSTEMS
Matthias Knoll, VMT USA

11:40 - 12:10 | DRILL FLUIDS FOR SUCCESS
Mark Knight, University of Waterloo

12:00 - 13:00 | Lunch

13:00 - 13:45 | MICROTUNNELLING PROJECT PLANNING AND DESIGN
CONSIDERATIONS
Marc Gelinias, Hatch

13:45 - 14:30 | GEOTECHNICAL INVESTIGATION AND RISK MANAGEMENT
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

Municipal Construction of Sewers and Watermains Using Microtunneling

Thursday February 21, 2019, Mississauga Grand, Mississauga

UPCOMING CATT EVENTS

SIPP (SPRAY-IN-PLACE-PIPE)
MAR-20

EMERGING TRENCHLESS TECHNOLOGIES
APR-10

CURED-IN-PLACE-PIPE (CIPP) FOR
WATERMAIN AND SEWER RENOVATION
TBD

NAME: _____
TITLE: _____
COMPANY: _____
ADDRESS: _____
CITY: _____ **PROV:** _____ **POSTAL CODE:** _____
PHONE: _____
EMAIL: _____

EARLY BIRD REGISTRATION

RECEIVED BY: December 14
 \$450/CATT MEMBER \$600/NON-MEMBER

REGULAR REGISTRATION

RECEIVED: December 15 TO February 18
 \$550/CATT MEMBER \$700/NON-MEMBER

ON-SITE REGISTRATION

RECEIVED AFTER: February 18
 \$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

PAY ONLINE VISIT WWW.CATTEVENTS.CA (as per UW policy, we are no longer allowed to collect any credit card information. Please register online if you wish to pay by credit card)

INVOICE COMPANY

CHEQUE (Payable to "University of Waterloo, Attn: Centre for Advancement of Trenchless Technologies"). Please add 13% HST for total amount due.

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

MAIL: CENTRE FOR ADVANCEMENT OF TRENCHLESS TECHNOLOGIES
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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

