

# Role and Importance of Geotechnical Engineer in Trenchless Projects

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

Tuesday November 10, 2015 CHSI, Mississauga



**Tuesday November 10, 2015**

**8:00AM - 4:00PM**

CENTRE FOR HEALTH AND SAFETY  
INNOVATION  
5110 Creekbank Rd, Mississauga

**Also available via Live Webcast!**

## WORKSHOP OVERVIEW

This workshop focuses on geotechnical best practices and the role of a geotechnical engineer for a successful municipal trenchless projects. Municipal trenchless projects include new pipeline installations using microtunnelling, directional drilling, pipe jacking, pipe ramming and auger boring. Common trenchless pipeline renovation includes Cured in Place Pipe (CIPP) and Slip lining. Over past 20 plus year the use of these construction methods have significantly increased in use and have become a common alternative to continuous open cut. Geotechnical site conditions are often critical for pipeline material selection and design, as well as, determining a feasible and cost effective trenchless construction methods. The workshop will cover industry best practices and provide the perspectives of industry leading owners, consultants, suppliers and contractors. It will also provide a lawyer perspective on the role of the geotechnical engineer in trenchless project litigation.

## Tentative Schedule

7:30 - 8:00 | **BREAKFAST**

8:00 - 8:50 | **OPEN REMARKS AND OVERVIEW OF TRENCHLESS CONSTRUCTION METHODS**, *Mark Knight, University of Waterloo*

8:50 - 9:30 | **GEOTECHNICAL ENGINEERING PERSPECTIVE ON TRENCHLESS METHODOLOGY: INVESTIGATION, RISK MANAGEMENT AND ALLOCATION**. *Masoud Manzari, Thurber Engineering*

9:30 - 10:10 | **ROLE OF GEOTECHNICAL DATA FOR TRENCHLESS PROJECT DESIGN**, *Marc Gelinis, Hatch Mott MacDonald*

10:10 - 10:30 | **NETWORKING BREAK**

10:30 - 11:10 | **HOW GEOLOGICAL CONDITIONS IMPACT DRILL FLUIDS SELECTION**, *Mark Duckworth, Baroid IDP*

11:10 - 11:40 | **ROLE OF SUBSURFACE UTILITY ENGINEERING**, *Lawrence Arcand, T2 Utility Engineers*

11:40 - 12:10 | **OWNER PERSPECTIVE FOR SUCCESSFUL TRENCHLESS PROJECTS**, *Simon Hopton, Region Of Peel*

12:10 - 13:00 | **LUNCH AND NETWORKING**

13:00 - 13:45 | **LESSONS LEARNED OVER 20 YEARS IN PROJECT DESIGN AND LITIGATION IN USA AND CANADA**, *Brian Dorwart, Brierley Associates*

13:45 - 14:30 | **CONTRACTOR'S PERSPECTIVE FOR SUCCESSFUL HDD PROJECTS**, *Gene Woodbridge, Earth Boring Company Ltd*

14:30 - 14:45 | **NETWORKING BREAK**

14:45 - 15:25 | **CONTRACTOR'S PERSPECTIVE FOR SUCCESSFUL TUNNELLING PROJECTS**, *Walter Trisi, CRS Tunnelling Canada*

15:25 - 16:00 | **LAWYER PERSPECTIVE ON GEOTECHNICAL ENGINEERS ROLE IN TRENCHLESS PROJECTS AND LITIGATION**  
*Anthony Scane, Norton Rose Fulbright*

This event is  
sponsored by:

**Canadian Geotechnical  
Society-SOS**



**WHO SHOULD ATTEND THE WORKSHOP?** Consulting engineers, designers, water operators and managers, municipal employees, contractors, field technicians, and all those who are involved with water projects.

### WHAT IS INCLUDED?

- Course material
- Breakfast, Lunch, and Refreshment during networking breaks
- 0.7 CEU's

**UNIVERSITY OF  
WATERLOO**

# Registration Form

## Role and Importance of the Geotechnical Engineer in Trenchless Projects

Tuesday November 10, 2015, CHSI, Mississauga, ON



### UPCOMING EVENTS

- TRENCHLESS LOW TECH  
01-27-2016
- MICROTUNNELLING  
02-09-2016
- CONDITION ASSESSMENT & REHAB OF  
ASBESTOS CEMENT PIPELINES  
02-03-2016

**NAME** \_\_\_\_\_

**TITLE** \_\_\_\_\_

**COMPANY** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_

**CITY** \_\_\_\_\_ **PROVINCE** \_\_\_\_\_ **POSTAL CODE** \_\_\_\_\_

**PHONE** \_\_\_\_\_

**EMAIL** \_\_\_\_\_

I WILL ATTEND VIA WEBCAST

#### EARLY BIRD REGISTRATION

RECEIVED BY: **Friday October 16, 2015**

\$375/ CATT/CGS-SOS MEMBER       \$525/NON-MEMBER

#### REGULAR REGISTRATION

RECEIVED: **October 17 TO November 5**

\$475/CATT/CGS-SOS MEMBER       \$625/NON-MEMBER

#### ON-SITE REGISTRATION

RECEIVED AFTER: **November 5, 2015**

\$575/ CATT/CGS-SOS MEMBER       \$725/NON-MEMBER

#### 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](http://www.catt.ca).

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

#### METHOD OF PAYMENT - PLEASE PICK ONE

INVOICE COMPANY

CREDIT CARD (MasterCard, VISA, American Express)

**CARD #:** \_\_\_\_\_ **EXP:** \_\_\_\_\_ / \_\_\_\_\_

**NAME ON CARD:** \_\_\_\_\_ **CVC (DIGITS ON BACK OF CARD):** \_\_\_\_\_

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

**COMPLETED REGISTRATION FORMS CAN BE MAILED, E-MAILED, AND FAXED (519 746 655) to the CATT office:**

CATT/Department of Civil and Environmental Engineering  
University of Waterloo, Waterloo, ON N2L 3G1  
ph 519 888 4770 f 519 746 6556 e [alice.seviora@uwaterloo.ca](mailto:alice.seviora@uwaterloo.ca)

**Note:** to prevent fraud, please **never send credit card information via email.**

**Refund Policy:** please visit our website [www.catt.ca](http://www.catt.ca) for our details on our refund policy.

#### PLATINUM MEMBERS



#### GOLD MEMBERS

