

Ensuring Successful Horizontal Directional Drilling (HDD) Projects

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

April 22, 2015, (CHSI), 5110 Creekbank Rd, Mississauga



April 22, 2015

8:00AM - 4:00PM

BREAKFAST, LUNCH AND REFRESHMENTS INCLUDED

CENTRE FOR HEALTH & SAFETY
INNOVATION (CHSI),
5110 Creekbank Rd, Mississauga,

**Also available via Live
Webcast!**

WORKSHOP OVERVIEW

Over the past 20 years horizontal directional drilling (HDD) has been routinely used for the installation of pressure (gas, water) and gravity (storm and wastewater) pipelines. Despite this common usage, many HDD designs are not constructible or completed according to the current industry standards and/or good practices. This one day workshop will focus on designing a cost-effective and successful HDD pipeline project for municipal, gas, and industrial applications. The topics will include:

- HDD Basics
- Drill Fluids and Equipment
- Industry Trends and Pipe Materials
- Project Planning Requirements: Geotechnical Investigations, Site Conditions, and Borepath Planning
- Pipe Design Considerations
- State-Of-The-Art Software Tools
- Risk Evaluation and QA/QC
- Case Studies

WHY YOU SHOULD ATTEND?

Engineers, Inspectors, Contractors and municipal staff and all those who wish to ensure that HDD designs and projects requirements meet industry standards and best practices. This course will also help establish Engineers as industry experts and to ensure that they meet their professional practice requirement of undertaking work the practitioner is competent to perform by virtue of the practitioner's training and experience.

SPEAKERS

Dr. Mark Knight, PhD, PEng: Dr. Mark Knight is CATT's Executive Director and Associate Professor at the University of Waterloo Civil and Environmental Engineering and Geological Engineering Departments. He is also a North American trenchless technology expert with over 15 years in HDD research, project design, and project litigation. Dr. Knight has been involved in the development of industry's leading HDD design tools such as BOREAID, the only complete HDD design software tool now sold by Vermeer, and free on-line software tools PPI-BORE AID and PPI-PACE. Prior to joining the University of Waterloo, Dr. Knight was a Geotechnical Engineering consultant for over five years.

Dr. Jason Lueke: Dr. Jason Lueke is the National Practice Leader for Trenchless Services with Associated Engineering. He has over 15 years of experience in the trenchless industry as a consultant, contractor, and educator, and serves on the Board of Directors for NASTT. He has published over 60 journal and conference papers related to trenchless design, construction, and research, and has presented across North America and internationally at many conferences and trade shows. Jason has participated as an engineer or contractor on a variety of trenchless new installation and rehabilitation projects, and has been involved in several major award winning projects involving tunnelling, directional drilling, and cured in place pipe rehabilitation.



Registration Form

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UPCOMING EVENTS

CHECK OUT OUR WEBSITE FOR
UPCOMING EVENTS: WWW.CATT.CA

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

EARLY BIRD REGISTRATION

RECEIVED BY: **Friday March 20 2015**
 \$450/CATT MEMBER \$550/NON-MEMBER

REGULAR REGISTRATION

RECEIVED: **March 21 TO April 17**
 \$550/CATT MEMBER \$650/NON-MEMBER

ON-SITE REGISTRATION

RECEIVED AFTER: **April 17**
 \$650/CATT MEMBER \$750/NON-MEMBER

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

LIVE WEBCAST

I would like to attend via **LIVE WEBCAST**

METHOD OF PAYMENT - PLEASE PICK ONE

INVOICE COMPANY

CREDIT CARD (MasterCard, VISA, American Express)

CARD #: _____ **EXP:** / _____

NAME ON CARD: _____

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 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.

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.

PLATINUM MEMBERS



CATT GOLD MEMBERS

