

# Return on Investment (ROI) for Pressure Pipelines' Condition Assessment



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

**Wednesday March 7, 2018**

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

**BREAKFAST, LUNCH AND REFRESHMENTS  
INCLUDED**

MISSISSAUGA GRAND  
35 Brunel Road, Mississauga

**Also available via Live  
Webcast!**

## WORKSHOP OVERVIEW

Well rationalized condition assessment programs are efficient and cost-effective when compared to one-off projects. Municipal and industry experts will present how return on investment and other economic analysis tools (e.g., benefit-cost, breakeven, and alternatives analyses) can be used to inform overall planning and to develop condition assessment programs for water and force-main pipelines. Risk-based approach to prioritize pipes for condition will be presented. Advantages and limitations of selected condition assessment techniques for pressure pipelines will be discussed. Case studies highlighting the advantages and practical limitations of selected condition assessment tools be presented.

## Schedule\*

7:30 - 8:00 AM | Registration and Continental Breakfast

8:00 - 8:10 AM | Welcome and Introduction

8:10 - 8:45 AM | Prioritization of Pipelines for Condition Assessment

8:45 - 9:15 AM | Overview of Condition Assessment Techniques

9:15 - 9:45 AM | ROI for Condition Assessment of Pipelines

9:45 - 10:15 AM | Networking and Refreshment Break

10:15 - 10:45 AM | Condition Assessment Limitations on Specific  
Infrastructure Assets

10:45 - 11:15 AM | Condition Assessment Limitations - Case Study

11:15 AM - 12:00 PM | Minimizing Risk for Condition Assessment  
Program

12:00 - 12:45 PM | Lunch Break

12:45 - 1:15 PM | Inspection ROI for Long-Term Capital Improvement  
Planning

1:15 - 1:45 PM | ROI on Leak Detection Projects

1:45 - 2:15 PM | City of Hamilton Approach to Managing Critical  
Watermains

2:15 - 2:30 PM | Networking and Refreshment Break

2:30 - 3:00 PM | Service Life Prediction for Pipelines Using Condition  
Assessment Data

3:00 - 3:30 PM | Using Condition Assessment Data for Pipeline  
Renewal

3:30 - 4:00 PM | Closing Remarks

\* Subject to modifications

### WHO SHOULD ATTEND THE

**WORKSHOP?** Municipal engineers, project engineers, designers, technologists, technicians, operators, engineering consultants, contractors, suppliers, and pipe manufacturers

### WHAT IS INCLUDED?

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

# Registration Form

## Return on Investment (ROI) for Pressure Pipelines' Condition Assessment

Wednesday March 7, 2018, Mississauga Grand, Mississauga

### UPCOMING CATT EVENTS

WATERMAIN RENOVATION USING  
STRUCTURAL, SEMI-STRUCTURAL AND NON-  
STRUCTURAL LINING SYSTEMS  
MAY 15-2018

TRENCHLESS TECHNOLOGIES 101  
MAY 15-2018

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

### EARLY BIRD REGISTRATION

### REGULAR REGISTRATION

### ON-SITE REGISTRATION

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

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

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

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

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

**CITY:** \_\_\_\_\_ **PROV:** \_\_\_\_\_ **POSTAL CODE:** \_\_\_\_\_

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

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

RECEIVED BY: January 31  
 \$375/CATT MEMBER       \$550/NON-MEMBER

RECEIVED: February 1 TO March 2  
 \$475/CATT MEMBER       \$650/NON-MEMBER

RECEIVED AFTER: March 2  
 \$575/CATT MEMBER       \$750/NON-MEMBER

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

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:** \_\_\_\_\_ **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 Seviara:**

**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.seviara@uwaterloo.ca

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

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

### PLATINUM MEMBERS



### GOLD MEMBERS

