

Leak Detection Technologies

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

Thursday March 26, 2015, Mississauga Grand, 35 Brunel Road, Mississauga Ontario



Thursday March 26, 2015

8:00AM - 3:00PM

MISSISSAUGA GRAND
35 Brunel Road, Mississauga

Also available via Live Webcast!

WORKSHOP OVERVIEW

Rapid improvements and advancements in watermain condition assessment and monitoring technologies have made it possible to capture and address leaking watermains before they turn into catastrophic failures. This workshop will introduce a variety of tools and technologies for watermain inspection and condition monitoring. The participant will learn about the working principles, processes, and benefits and limitations of technologies that include visual inspection, non-invasive acoustics, in-line inspection, and continuous leak monitoring. The cost-benefit of leak detection programs will be demonstrated through a number of case studies.

Tentative Schedule

8:00 - 8:20 | **INTRODUCTION AND WATER LOSS OVERVIEW**

Sonya Semanuik, Ontario Clean Water Agency

8:20 - 8:50 | **FREE-FLOWING INLINE LEAK DETECTION - SMARTBALL**

Tim Ross, Pure Technologies

8:50 - 9:20 | **TETHERED INLINE LEAK DETECTION PART 1 - SAHARA**

Mike Robertson, Pure Technologies

9:20 - 10:00 | **TETHERED INLINE LEAK DETECTION PART 2**

David Gosselin, GAME Trenchless Consultants

10:00 - 10:30 | **NETWORKING BREAK**

10:30 - 11:00 | **TRACER GAS LEAK DETECTION**

Gary Fricke, Watermark

11:00 - 11:30 | **NON-INVASIVE LEAK DETECTION**

Eric Stacey, Echologics

11:30 - 12:00 | **GEOSPATIAL ASSET MANAGEMENT**

Mike Livermore, Trimble Water

12:00 - 13:00 | **LUNCH**

13:00 - 13:30 | **CONTINUOUS LEAK MONITORING**

Cliff Jones, Syrinix

13:30 - 14:00 | **NETWORK WATER LOSS REDUCTION**

Alain Lalonde, Master Meter Canada

14:00 - 14:20 | **CASE STUDY I**

Michael Zantingh, City of Hamilton

14:20 - 14:40 | **CASE STUDY II**

Tim Ross / Mike Robertson, Pure Technologies

14:40 - 15:00 | **CASE STUDY III: TRACER LEAK DETECTION**

Gary Fricke, Watermark

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

Registration Form Leak Detection Technologies

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UPCOMING EVENTS

CONDITION ASSESSMENT AND
REHABILITATION OF DRAINAGE CULVERTS
04-15-2015

ENSURING SUCCESSFUL HORIZONTAL
DIRECTIONAL DRILLING (HDD) PROJECTS
04-22-2015

CONDITION ASSESSMENT AND RENEWAL OF
ASBESTOS CEMENT PIPE
TBD

NAME _____

TITLE _____

COMPANY _____

ADDRESS _____

CITY _____

PROVINCE _____ **POSTAL CODE** _____

PHONE _____ **FAX** _____

EMAIL _____

I WILL ATTEND VIA WEBCAST

EARLY BIRD REGISTRATION

RECEIVED BY: **Friday March 06, 2015**
 \$375/CATT MEMBER \$525/NON-MEMBER

REGULAR REGISTRATION

RECEIVED: **March 07 to March 21**
 \$475/CATT MEMBER \$625/NON-MEMBER

ON-SITE REGISTRATION

RECEIVED AFTER: **March 21**
 \$575/CATT MEMBER \$725/NON-MEMBER

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

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: _____

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

Note: to prevent fraud, please **never send credit card information via email.**
Refund Policy: please visit our website www.catt.ca for our details on our refund policy.

PLATINUM MEMBERS



GOLD MEMBERS

