

# Underground Utility Location Workshop

*Presented by*



**When:** September 23, 2009

**Where:** Davis Centre, ICR "Fish Bowl", Room 1302  
University of Waterloo, Ontario.

[Click](#) here for directions and map

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# Underground Utility Location Workshop

## Workshop Overview

**Who Should Attend:** Municipal representatives, utility owners, consulting engineers, superintendents, contractors, inspectors, and anybody involved in the design and inspection of trenchless projects.

TIME		DETAILS
<b>8:00</b>	<b>8:30</b>	<b>Registration &amp; Continental Breakfast</b>
8:30	8:40	Welcome and Introduction
8:40	9:10	Introduction to Locating: A Brief History
9:10	9:40	Application of GPR Technology for Trenchless Projects
9:40	10:40	Review of Current and Developing Locating Technologies
<b>10:40</b>	<b>11:00</b>	<b>Networking Break &amp; Refreshments</b>
11:00	12:00	Field Demos
<b>12:00</b>	<b>12:45</b>	<b>Lunch</b>
12:45	13:15	Application of Location Tools – HDD Walk Over and Wireless Technologies
13:20	13:50	Integration of Locating Technologies
13:55	14:25	Case Study 1: Locating Large Diameter Sewers Using Electromagnetic Field Detection Technology
<b>14:30</b>	<b>14:45</b>	<b>Networking Break &amp; Refreshments</b>
14:45	15:15	Case Study 2: SUE – Effective Use for Trenchless Projects
15:20	15:50	Case Study 3: Ontario Regional Common Ground Alliance

\* ***(Lunch & Refreshments Provided)***

**Registration See details on the attached sheet!!!**

## ***Underground Utility Locating Workshop***

September 23, 2009 at the Fish Bowl, Davis Centre University of Waterloo  
Waterloo, Ontario

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**Early Bird Registration** received by Tuesday, September 8, 2009:

\$275.00/CATT Member     \$300.00/Non-member

**Regular registration** (September 9 to 21, 2009):

\$300.00/CATT Member     \$350.00 /Non-member

**On-site Registration** (after September 21, 2009):

\$400.00/CATT Member     \$450.00/Non-member

\*GST included in prices (GST: R11960685). No PST.

**Method of Payment: (please pick one)**

Invoice Company

Credit Card (MasterCard, VISA, American Express)

Card #: \_\_\_\_\_ Expiry: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Cheque (Payable to “*Centre for Advancement of Trenchless Technologies*”)

**Completed Registration Forms can be mailed, faxed, or emailed to Alice Seviora at the CATT office:**

**Mail:** Centre for Advancement of Trenchless Technologies  
Department of Civil and Environmental Engineering  
University of Waterloo  
Waterloo, ON N2L 3G1

**Fax:** 519-746-6556

**Email:** masevior@uwaterloo.ca