

Advance Agenda - Symposium Plenary and Sessions

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Wednesday Breakout Sessions

9:45 a.m.

Renaissance Room

District Energy Systems – Benefits in the National Capital and Beyond

What is District Energy and its benefits? Hear about FVB Energy projects in Ontario, North America and Europe, as well as guidelines on safe construction and Damage Prevention to Distribution Piping Systems.

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Wednesday Breakout Sessions

9:45 a.m.

MacDonald Room

Government of Canada – Digs into Damage Prevention

This session demonstrates the positive results that are being achieved through collaborating for better damage prevention. From the proposed Bill S-229 to the partnership that has been developed between the Canadian Common Ground Alliance (CCGA) and Public Services and Procurement Canada (PSPC), the Government of Canada is working to improve the protection of its underground assets.

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Wednesday Breakout Sessions

9:45 a.m.

Drawing Room

Managing Locates on Private Property

Damage prevention when excavating on private property requires a good understanding of privately-owned facilities, how and who marks them, and knowing how to manage the challenges and limitations. Topics that will be discussed: Steps of a Private Property Locate, Demarcation Points, Private Locate Challenges and Managing Limitations.

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Wednesday Breakout Sessions

11:00 a.m.

Renaissance Room

Evolution of Best Practices

This presentation will cover Best Practice development across Canada at the national, provincial and local levels. It will highlight the development and implementation of both the ORCGA and CCGA Best Practice Manuals. Mr. Campbell will also discuss the consensus model and how it continues to produce results and challenges across the country.

He will cover the origins of the CSA Z247 standard and challenges related to its implementation.

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Wednesday Breakout Sessions

11:00 a.m.

MacDonald Room

International Initiatives for Mapping Subsurface Utilities

Damage to underground utilities during construction represents a significant risk to the public and is a major cause of construction project delays and budget overruns.

In this session, international initiatives in the UK, US, Netherlands and Belgium are working towards reducing

the number of incidents of underground utility damage. Can such initiatives be adopted in Canada?

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Wednesday Breakout Sessions

11:00 a.m.

Drawing Room

Bloor Street Lessons Learned: How Enbridge Improved Safety Culture

Based on the findings and recommendations of the Ontario Ministry of Labour and our own investigation into the Bloor Street incident, we discovered many areas where we could improve the safety and reliability of operations. Our improved efforts on safety culture and process safety will be discussed, as well as the continued efforts within Enbridge to enhance damage prevention.

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Wednesday Breakout Sessions

11:00 a.m.

Laurier Room

Map as You Go

Struggling with having to change your field workflow to adhere to an out of the box utility mapping solution?

Concerned about getting your utility data stored on multiple devices back to the office with an out of the box solution?

Frustrated because you know that there must be a better way?

Come and learn about an organization who saw 50% reduction in time to conduct a major depth of cover survey utilizing the solution.

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Wednesday Breakout Sessions

2:00 p.m.

Renaissance Room

LiDAR as a Predictive Mapping Tool

Laila Gibbons, Director of Roads and Parking services for the City of Ottawa had a new tool during the 2019 Ottawa floods: a mapping program that showed the danger each additional centimetre of water could pose to buildings and infrastructure. Laila will inform delegates on the:

- History of Ottawa flooding, topography of Ottawa
- Does/has climate change impacted flooding?
- What is the impact of flooding on communities, as well as road and sub surface utility infrastructure?
- Flood detection methods before LIDAR
- Brief overview of LIDAR
- How the City of Ottawa successfully used LIDAR
- How the impact of flooding was lessened after using LIDAR
- Allowing the public access to the mapping tool
- Other municipalities using this tool

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Wednesday Breakout Sessions  
 2:00 p.m.  
 MacDonald Room

#### How and Why Locates Work or Don't

Jeremy will explain how locates work - from creating The Electromagnetic Field, to what challenges are faced while performing a locate in our current congested environment. He will discuss why certain conditions make it difficult or impossible to complete a locate. his presentation is great for planners and engineers, or anyone not clear on how a locate is actually done.

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Wednesday Breakout Sessions  
 2:00 p.m.  
 Laurier Room

#### Pros and Cons of Air vs Water – Vacuum Excavation

Vacuum excavation is extremely important for a contractor. Many provinces today have laws defining tolerance zones of utilities. A tolerance zone is an area on each side of the utility where mechanical excavation cannot be employed and only the use of vacuum excavation or hand tools is allowed. Learn about the pros and cons of each type of vacuum excavation.

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Wednesday Breakout Sessions  
 3:45 p.m.  
 Renaissance Room

#### LiDar for Utilities

Since its inception, LiDAR technology has been used to generate dense, richly-detailed datasets, from which it has become increasingly easy to extract salient features and generate 3D Models. LiDAR has been and is being used extensively to acquire and map data for Utilities applications. Corridor Mapping, Asset Management, and vegetation encroachment are just a few of the applications to which it is being applied. We'll review the various aspects of the technology and examine some of the use cases.

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Wednesday Breakout Sessions  
3:45 p.m.  
Laurier Room

#### Effective Communication with Excavators

One of the weakest links in the Damage Prevention Industry's One Call process is ineffective communication.

Effective communication depends on the entire communication chain, which begins with the One Call Ticket submission and continues through ticket completion. Failure here can lead to damages and other devastating results.

Many organizations leverage technology to assist in this vital communication, yielding higher levels of transparency and dependable communication avenues.

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Wednesday Breakout Sessions  
3:45 p.m.  
MacDonald Room

#### Day in the Life of a Damage Prevention Inspector

Representatives from Hydro Ottawa will inform delegates of how they:

- Inspect, investigate and report on utility damages occurrences.
- Provide ongoing Damage Prevention support to the excavator community.
- Monitor, assist, QC audit, Locate Service Providers executing Hydro Ottawa locates.
- Conduct Damage Prevention safety awareness to various excavator groups.
- Continuously monitoring/ patrol of critical networks areas.

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Thursday Breakout Sessions  
9:15 a.m.  
Burgundy Room

#### Canadian Energy Regulator – What's New, Aside from Our Name

This session will provide an overview on the transition from the NEB to the CER and talk about the changes and damage prevention regulatory updates for federally regulated pipelines and power lines.

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Thursday Breakout Sessions  
9:15 a.m.  
Renaissance Room

#### True Cost of Damages

The societal cost of damage to underground infrastructure is estimated to be \$1 BILLION per year according to the 2018 CCGA DIRT Report.

The true cost of damaged utilities can easily be underestimated when only repair costs are tracked and documented.

Join Scott for an open discussion about the true cost of damages across all utility segments.

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Thursday Breakout Sessions  
9:15 a.m.  
MacDonald Room

### Do Canada's Stakeholders Have the Same Understanding of SUE as You?

The Centre for Advancement of Trenchless Technologies conducted a survey of Canada's industry stakeholders to determine their understanding and perspectives on Subsurface Utility Engineering practices across Canada, such as, barriers to it use and how it is being used. This survey is designed to act as a benchmarking survey for comparison of future surveys to determine quantitatively how Canada's industry stakeholders perspectives have changed over time.

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Thursday Breakout Sessions  
9:15 a.m.  
Laurier Room

### How Improvements in Mapping can Reduce Notifications

A presentation and open discussion on how improving mapping can reduce the number of unnecessary locates being sent to members and locate service providers, which in turn can help reduce the late locate issue that the excavation community are experiencing.

We will also discuss ways in which the members can improve their mapping and how the locators can provide data which can be used to improve the accuracy and therefore the member confidence in their mapping.

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Thursday Plenary Session  
10:30 a.m.  
Adam Room

### Late Utility Locates Panel

The ORCGA will be continuing the discussion on Late Locates in Ontario. The Late Locate Panel speakers are:

Panel Moderator:

ORCGA – Doug Lapp

Panelists:

- Ontario One Call – Ben Hamilton
- Utility, Hydro One – Bav Mistry
- Locator, multiVIEW – Kevin Vine
- Municipality, Region of Peel – Nectar Tampacopoulos
- Excavator, North Rock – Tony DiPede

Take advantage of the opportunity to ask our panel experts questions on the Late Locate Issue.

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