

# Save Construction Time and Money with Subsurface Utility Engineering (SUE)

Since 2002, ASCE 38 has been the standard for portraying existing utilities on documents and defining levels of quality & reliability for utility data. This workshop will discuss the history of this standard and upcoming changes in the soon-to-be released update, application of SUE on a large case study, owners' perspective on good utility data, and how the ASCE 38 standard relates to the Department of Transportation's SHRP2 utility solutions.

- Early Bird: \$195 | Advance: \$220 | Onsite: \$245 <https://www.pipelinesconference.org/program/short-courses>
- 4 PDHs July 15 2018 13:00-17:00

Subsurface Utility Engineering (SUE) provides designers and engineers with the tools to determine how the existing infrastructure will be affected by a project so they can make adjustments and plan ahead to minimize impacts. This workshop will give an overview of SUE tools, techniques and applications and will demonstrate how SUE will help you reduce construction costs, prevent unnecessary construction claims and extras. It will discuss CI/ASCE 38-02: Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data published in 2003. The standard is the backbone for the practice of SUE.

13:00-14:00 **Introduction to the University of Waterloo SUE Return on Investments Study Prof..** Mark Knight Professor University of Waterloo - a brief and in depth look at the current ROI study being conducted by the University of Waterloo.

14:00-15:00 **The ASCE 38 update** by Lawrence Arcand P. Eng. Canadian committee member - continuing from the first session and application of the current standards in use ASCE 38-02 and the changes being discussed. The application of the new standards and the impact on day to day SUE Operations and deliverables.

15 min networking break

15:15-16:15 **Tools & techniques** Jamie Bradburn Senior Principal – SUE / Geophysics Operations Manager - Assessing the current tools and techniques used in the designating process of SUE. A brief but in depth look at the current technologies being used by the SUE provider and the pros and cons of the different tools available today looking at the innovation of MCGPR and its impact on SUE deliverables.

16:15-17:00 **Improving Current SUE specifications and tender documents.** Paolo Masero P Eng City of Vaughan - This session will deal with helping developing your standards and guidelines. Using the SUE professional to assist in developing your standards from the Right of Way Authority perspective.

