



Vancouver Geotechnical Society

A Local Section of the
Canadian Geotechnical
Society

www.v-g-s.ca

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NOTICE OF UPCOMING TECHNICAL PRESENTATION

Thursday, February 2, 2017

SUBJECT: A Screening Tool for Impact Hammer Selection for Installation, Testing and Damage Mitigation of Open-Toe, Steel Pipe and H-Piles

SPEAKER: David J. Tara, P.Eng. – *Thurber Engineering Ltd.*

David Tara is a Principal and the President of Thurber Engineering Ltd. and is a member of the Deep Foundations Institute "Testing and Evaluation Committee". David's professional interests include design, installation and testing (static and dynamic) of pile foundations and working with soft, compressible foundation soils. David is registered as a Professional Engineer in the four western Canadian provinces and Québec. David was educated at the University of British Columbia (B.A.Sc.) and Université de Sherbrooke in Québec (M.Sc.A.). David's 30 year career started in Montréal and then transitioned back to the beautiful West Coast.

CONTENT: In this talk David will share his experience in a presentation that will build on those given at GeoVancouver in October 2016. The presentation will cover some of the considerations involved in impact hammer selection for installation and high-strain dynamic testing of open-toe, steel pipe and H-piles:

- minimum, suggested and maximum hammer size required for pile installation
- minimum, suggested and maximum hammer size required for high-strain dynamic testing
- maximum driving stresses
- damage susceptibility relative to pile cross section dimensions
- damage mitigation

The latter half of the talk will focus on the application of the screening tool to published case histories and data in David's files. The applicability of the screening tool for impact hammer selection will be assessed and, with the aid of advanced pile driving simulation and signal matching software, to also show how pile damage could have been predicted.

DETAILS: **Location:** Executive Inn, 4201 Lougheed Highway, Burnaby, BC V5C 3Y6
Social Hour: 5:30 to 6:30 pm (drinks available at the hotel bar)
Technical Presentation: 6:30 to 7:30 pm (No need to RSVP)
Dinner: 8:00 pm (\$30 will be charged for dinner)

If you would like to stay for dinner, please RSVP to Aran Thurairajah via email (Aran.Thurairajah@golder.com) or at the door