

29<sup>th</sup> Vancouver Geotechnical Society Symposium

**The Vancouver Geotechnical Society  
A Local Section of**

**The Canadian  
Geotechnical Society**



**La Société canadienne  
de géotechnique**

**29<sup>th</sup> Symposium of the Vancouver Geotechnical Society  
Geotechnical Engineering  
in Infrastructure**

**Friday, September 15, 2023**

**Pinnacle Hotel Vancouver Harbourfront  
1133 West Hastings Street, Vancouver, B.C.**

07:00 - 08:00	<b>Registration</b>
08:00 - 08:05	<b>Opening Remarks</b>
08:05 - 08:30	Juan-Carlos Carvajal - <i>Seismic Embankment-Abutment-Structure Interaction of Integral Abutment Bridges.</i>
08:35 - 09:00	Karim Karimzadegan - <i>Geotechnical Design Challenges for Temporary Excavation Support at the Arbutus Station and Double Crossover for the Broadway Subway Project in Vancouver, BC</i>
09:05 - 09:30	David J. Tara - <i>What We Know About High-Strain Dynamic Testing Steel Pipe Piles with Concrete Plugs</i>
09:30 - 10:00	<b>Coffee Break</b>
10:00 - 10:25	Marc Bosse - <i>Geotechnical evidence for the 11 kYa glacial Lake Fraser outburst flood between Abbotsford and Pitt Meadows</i>
10:30 - 11:30	<b>Keynote Lecture by Thaleia Travararou</b> - <i>Geotechnical Best Practices for Risk-Informed Decision Making in Earthquake Infrastructure Design</i>
11:30 - 13:00	<b>Lunch</b>
13:00 - 13:25	Omar Rodríguez Barragán - <i>Top-Down Excavation System, An Integral Solution for Challenging Deep Excavation Projects With Complex Surroundings and Difficult Geotechnical Conditions</i>
13:30 - 14:30	<b>Keynote Lecture by Brian L.J. Mylleville</b> - <i>Repair of the Sumas River Dike Breach: A Case History</i>
14:30 - 14:40	2023 VGS Award
14:40 - 15:05	Aran Thurairajah - <i>New Iona Island Wastewater Treatment Plant and Foundation Approach</i>
15:05 - 15:35	<b>Coffee Break</b>
15:35 - 16:00	Lalinda Weerasekara - <i>Limitations in Existing Methods for Analyzing MSE Walls Reinforced with Steel Strips</i>
16:05 - 16:30	Viet (Victor) Tran - <i>3D Seismic Numerical Modeling of Infrastructure on Liquefiable Soils - Soil-Structure Interaction and Soil-Cement Grid Modeling</i>
16:30 - 16:45	<b>Closing Remarks</b>
16:45 - 18:00	<b>Social Hour</b>