

The Canadian
Geotechnical Society



La Société Canadienne
de Géotechnique

CGS CCLT Dinner Presentation

Shifting Ground: Permafrost Challenges in a Changing Canadian North

Presented by:

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University of Calgary


Presentation Abstract:

Thawing of once frozen permafrost, is irrevocably altering the landscape of our Canadian North. As the once stable ground shifts and moves, overlying infrastructure is subject to damage; imminently threatening our ability to connect communities, provide stable housing, and protect our Arctic. Amplified temperature rise, accompanied by volatile weather patterns, impacts the fragile permafrost ecosystem adding uncertainty to our social, economic, and environmental future. Recent case histories help us understand the current state of practice in permafrost geotechnical engineering: the innovations; the challenges; and the opportunities, while formation of extended and inclusive communities of practice and co-development of knowledge set the scene for a vibrant future as we explore forward-looking climate adaptation and continued sustainability in our Canadian North.

About the Presenter:

Jocelyn is a Professor (Geotechnical) in the Department of Civil Engineering at the University of Calgary. She holds a B.Sc. in Civil Engineering and a Ph.D. in Geotechnical Engineering from the University of Alberta and a PDF from the Norwegian Geotechnical Institute. Her research focuses on understanding how to mitigate and adapt to the impact of climate change in permafrost and offshore sediments, with a focus on soil behaviour. She has been recognized with Fellowship in the Engineering Institute of Canada and Canadian Academy of Engineering, been awarded the EIC Canadian Pacific Railway Engineering Medal, the APEGA Women in Engineering and Geoscience Champion Award, and delivered the 2022 Canadian Geotechnical Society Hardy Address. Jocelyn has also served in academic leadership positions, including Head of Civil Engineering and Senior Associate Dean Research.

Date: Monday, October 21, 2024
Time: Presentation at 5:30 PM
Location: Hilton Winnipeg Airport Suites, 1800 Wellington Avenue, Winnipeg, MB, R3H 1B2
RSVP: 12:00 PM, Thursday, October 17, 2024
Registration Fee (debit, credit, PayPal):

Membership	Price (\$)	Registration and Payment Link ^{1,2}
CGS Member	35	
Non-member	40	
Student	25	

¹This will redirect you to pay via debit, credit, or PayPal.

²Receipts are automatically sent to your email address.

For event information, please visit:

<http://www.cgsmanitoba.ca/lunch-seminars/upcoming/>

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- This event qualifies for 1 Professional Development Hour. The event is classified as 'Informal Activity' under EGM's CPD Program.
- Please note that if you are unable to attend, someone else can be sent in your place. We are accepting walk-ins depending on seating availability.
- If you wish to be added to the mailing list, please send an email to cgs.manitoba@gmail.com