



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, 26 October 2023

TOPIC: “Known knowns, known unknowns and unknown unknowns”: Managing Geotechnical Risk using a combination of GBRs and Quantitative Risk Analysis.

SPEAKER: **Joe O’Carroll, P.E Senior Vice President, Mott MacDonald**
Joe O’Carroll has more than 40 years of global experience in the design, construction, and risk management of major infrastructure projects procured under a variety of delivery methods including traditional design-bid-build, design-build, CMGC, alliancing and early contractor involvement. Joe has worked for Owners, Contractors and Consultants and currently serves as Senior Vice President and North American Underground Infrastructure Leader for Mott MacDonald. Joe is the co-author of the Underground Construction Association’s Guidelines for Improved Risk Management on Tunnels and Underground Projects in North America.

CONTENT: Donald Rumsfeld's "known knowns, known unknowns and unknown unknowns" phrase resonates with geotechnical and tunneling engineers, probably as it sums up a problem that we face on every project, namely whether there is anything in the ground, and the way it behaves when we excavate and support it, that we know we just don't know, and should be carrying contingency for in our project cost estimates. Avoiding claims for unforeseen ground conditions present owners and engineers with their greatest challenge, particularly on long linear underground infrastructure projects. This talk will look at how to manage geotechnical risk, and its associated cost impacts, using a combination of Geotechnical Baseline Reports (GBR) and Quantitative Risk Analysis (QRA).

DETAILS: **Location:** Centennial Room, Executive Hotel, 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 7:45 pm (No need to RSVP)
Dinner: 8:00 pm (\$20 will be charged for dinner). If you would like to stay for dinner, please RSVP to Masood Meidani via email (Masood.Meidani@bba.ca) or at the door.