



Vancouver Geotechnical Society

A Local Section of the
Canadian Geotechnical
Society

www.v-g-s.ca

Chair
Past-Chair
Program Director
Treasurer
Secretary
Registrar

Web Manager
CGS Director
Student Representative
Symposium Co-Chairs

Member-at-Large

- Tim Morton (Tetra Tech)
- Yoshi Tanaka (Kontur)
- Aran Thurairajah (Golder), Kevin Kui (Golder)
- Intisar Ahmed (Thurber)
- Eryn Alexander (BGC), Priyesh Verma (BGC)
- Ethan Alban (Knight Piesold), Muin Ahmed Alif (Aecon)
- Tajinder Singh (Hatch)
- Marc Bossé (Thurber)
- Jeremy Young (UBC)
- Olga Kosarewicz (BCIT), Shane Magnusson, (BGC)
- Mahdi Shahrabi (Golder), Kumar Sriskandakumar, (BGC), Jared Whitehead (KCB), Amin Bigdeli (WSP)

NOTICE OF UPCOMING TECHNICAL PRESENTATION Thursday, 18 March 2021

TOPIC: Risk Management of Rock Slope Instability – UBC Georox Distinguished Lecture

SPEAKER: Duncan Wyllie, PhD. – Wyllie & Norrish Rock Engineers

Duncan Wyllie is a Principal in the company Wyllie & Norrish Rock Engineers and is based in Vancouver, Canada. Dr. Wyllie has a master's degree in geological engineering from the University of California, Berkeley (1978), and a Ph.D. from the University of British Columbia in the field of rock fall mechanics (2014). He has 53 years of experience in the field of applied rock engineering, and has worked on slope, landslide, tunnel, blasting and foundation projects throughout North America, as well as in India, Sri Lanka, New Zealand, Ethiopia, Turkey, Bahrain and Peru. The major portion of this work is for highway, railway, pipeline and power projects, involving both new construction, and evaluation and remediation of existing slopes and tunnels.

Dr. Wyllie is the author of the text books *Rock Slope Engineering*, 5th Ed. (2017); *Rock Fall Engineering* (2014), *Foundations on Rock* (1992, 1999 editions), and a co-author of the TRB book *Landslides, Investigation and Mitigation* (1996). He has prepared manuals on rock slope engineering for the Federal Highway Administration, and taught about 80 courses throughout the U.S. for the National Highway Institute, Washington D.C.

CONTENT: The presentation discusses projects where risk management, involving the hazard and consequence of rock slope instability, were taken into account in the selection and design of stabilization measures. The first step in this work is to select the appropriate stabilization measure (or measures) for the site, with the options being removal of unstable rock, or reinforcement of in-place rock, or protection against rock falls. Risk management can be qualitative where assessments of hazard and consequence are taken into account, or quantitative where probability distributions are calculated so that a specific level of reliability can be incorporated in design.

The presentation is illustrated with local examples of highway, railway and power projects, and how risk management differs between Canada and Japan.

DETAILS: Technical Presentation: 6:00 pm – 7:30 pm

Link: <https://attendee.gotowebinar.com/register/381843209443657483>