



UBC GEOLOGICAL ENGINEERING AND THE  
VANCOUVER GEOTECHNICAL SOCIETY  
PROUDLY PRESENT

## THE GEOLOGICAL ENGINEERING 2018 DISTINGUISHED LECTURER



### “Protecting Society from Landslide Hazard and Risk”

By **Dr. Suzanne Lacasse**  
Norwegian Geotechnical Institute

**Thursday, March 15<sup>th</sup>, 2018 @ 6:30 pm**  
(refreshments and mingling from 5:30 to 6:30 pm)

ESB 1013, Earth Science Building, University of British Columbia  
(Link: [Building location and parking information](#))

**Public lecture, all are welcome**

***The Talk:*** Risk is all around us: landslides, earthquakes, floods, storms and tsunamis are some of the daily natural hazards increasing risk to society. Quantitative risk assessment and risk management is needed because the future is not simply a projection of the present. This lecture will present the basic concepts of reliability-based design and the principles for managing risk and achieving robust geotechnical designs. Case studies involving slope failures and landslide risk management will be used to provide illustrative examples. It will be demonstrated that our role is not only to act as experts providing judgment on factors of safety, but has evolved to providing input in the evaluation of hazard, vulnerability and risk associated with landslides. The conclusion is that our profession should be increasingly perceived as reducing risk and protecting communities.

***The Speaker:*** Dr. Suzanne Lacasse was educated in Civil Engineering at Ecole Polytechnique of Montréal and then MIT where she obtained her PhD. She was on the faculty of MIT from 1975 to 1983 before moving to the Norwegian Geotechnical Institute (NGI), where she became its Managing Director from 1991 to 2012. She now acts as Technical Director at NGI. Her numerous contributions to hazard and risk in geotechnical practice have been recognized through such honours as delivering the 37<sup>th</sup> ASCE Terzaghi Lecture in 2001 and 55<sup>th</sup> ICE Rankine Lecture in 2015. She is a member of the National Academies of Engineers in the US, Canada, Norway and France. She has given keynote lectures in over 30 countries, and is the author of over 300 scientific papers.