



*Ernest Naesgaard, P.Eng.  
Association of Professional Engineers and  
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PhD in Civil Engineering  
University of British Columbia*

## *CCPE - MANULIFE FINANCIAL SCHOLARSHIPS*

*The CCPE-Manulife Financial scholarship recipient, Ernest Naesgaard, P.Eng., a member of the Association of Professional Engineers and Geoscientists of British Columbia, has spent much of his professional and academic career learning about earthquakes and their consequences.*

*Initially, Ernest obtained a bachelor's degree in geological engineering from the University of British Columbia. After graduation, he began working as a geotechnical engineer, looking at such things as seismic design and bridge foundation design.*

*While working in this field, Ernest decided to pursue a master's degree part-time and in doing so developed an expertise in earthquake engineering. Upon completion of his master's, he was imparted with a strong interest in soil liquefaction and related soil-structure interaction problems that often occur during earthquakes.*

*Over the course of his career, Ernest has had the opportunity to work on many exciting projects, including seismic upgrade designs for the Lions Gate and Oak Street bridges and the Domestic Terminal Building at the Vancouver airport.*

*With a desire to further build upon his knowledge in the field of geotechnical engineering, Ernest decided to apply his industry-related experience by pursuing a PhD in civil engineering from the University of British Columbia.*

*Now working towards finalizing the topic of his thesis, Ernest will be focusing on earthquake engineering and liquefaction. He hopes to utilize his skills in numerical analyses to determine the behaviour of soil slopes and soil interaction. Ultimately, he would like to see his work result in safer, better, and less costly designs for buildings, dams, and bridges.*

*After completing his PhD, Ernest plans to pass on his many years of professional and academic experience by teaching and mentoring students.*

