



GEOTECHNICAL ENGINEERING

MASc Theses

Current as of May 2007

YEAR	THESIS TITLE	AUTHOR	SUPERVISOR(S)
2007	Response of buried natural gas pipelines subjected to ground movement	Weerasekara, Lalinda	D. Wijewickreme
2006	On the Use of Shear Wave Velocity to Characterize Changes in Fines Content of a Silty Sand	Campbell, J. E.	J. Fannin
2005	Characterization and modelling of a uniformly graded, well-rounded coarse sand	Rouse, P. C.	D. Shuttle/J. Fannin
2005	Cyclic Shear Loading Response of Fraser River Delta Silt	Sanin, M. V.	D. Wijewickreme
2005	Numerical modelling of time dependent pore pressure response induced by helical pile installation in soft fine-grained soil	Vyazmensky, A.	D. Shuttle/J. Howie
2004	Response of Buried Polyethylene Natural Gas Pipelines Subjected to Lateral Ground Displacement	Anderson, C.	D. Wijewickreme
2004	Cyclic Loading Response of Fraser River Sand For Validation of Numerical Models Simulating Centrifuge Tests	Sriskandakumar, S.	D. Wijewickreme
2003	Experimental Study for Evaluating the Internal Stability of Gap-graded Soils	Khan, A. S.	J. Fannin
2003	Effects of Aging Duration, Stress Ratio during Aging and Stress Path on Stress-Strain Behaviour of Loose Fraser River Sand	Lam, C. K. K.	J. Howie/D. Wijewickreme
2002	Heat Flow Through Earth Dams - A Dam Performance Monitoring Tool	Esford, F. C.	P. Byrne
2002	Partially Drained Response of Sands	Gananathan, N.	J. Fannin/Y. Vaid/D. Wijewickreme
2002	A Laboratory Study of Particle Migration in Cohesionless Soils	Moffat, R.	J. Fannin
2002	Response of the Self-Potential Method to Changing Seepage Conditions in Embankment Dams	Sheffer, M. R.	J. Howie
2002	Installation and Load Testing of Helical Piles in a Sensitive Fine-Grained Soil	Weech, C. N.	J. Howie
2001	Filtration Performance of Geotextiles in Cyclic Flow Conditions: A Laboratory Study	Hawley, R. A.	J. Fannin
2001	Deformation under the Constant Stress State and its Effect on Stress-Strain Behavior of Fraser River Sand	Shozen, T.	J. Howie
2000	Split Spoon Penetration Testing in Gravels	Daniel, C. R.	J. Howie
2000	Total Stress Dynamic Analysis of Coquitlam Dam	Dharmasetia, C. W.	P. Byrne
2000	Geogrid-Soil Interaction Coefficients for Seismic Design	Duckworth, S. M.	J. Fannin
2000	Mine Waste Dump Instability	Moffitt, K.	P. Byrne

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2000	Critical Assessment of the Canlex Blast Experiment to Facilitate a Development of an In-Situ Liquefaction Methodology Using Explosives	Pathirage, K. S.	J. Howie
1998	Forest Groundwater Hydrology: Implications for Terrain Stability in Coastal BC	Jaakkola, J.	J. Fannin
1998	Development of a Gamma Logger to Work in Conjunction with the CPT for Geotechnical and Environmental Applications	Singha, S.	R.G. Campanella
1997	On the Comparative Behaviour of Geogrids in Pullout and Tension	Fuller, A.	J. Fannin
1997	Induced Polarization and Complex Resistivity Effects in Soils - Laboratory and In-Situ Measurements	Kristiansen, H.	R.G. Campanella
1997	Effects of Confining Pressure and Static Shear on Liquefaction Resistance of Fraser River Sand	Stedman, D.	Y. Vaid
1997	Investigation of Rock Slope Deformation at the Wahleach Hydroelectric Project Using the Flac Computer Code (microform)	Stewart, T.	P. Byrne
1997	Seepage Forces and Confining Pressure Effects on Piping Erosion	Tomlinson, S.	Y. Vaid
1997	Modeling of Single Vertical Piles Subjected to Monotonic and Cyclic Lateral Loads and Free-Field Movements	Vazinkhoo, S.	P. Byrne/R. Foschi
1997	Probabilistic Modeling of Debris Flow Travel Distance Using Empirical Volumetric Relationships	Wise, M. P.	J. Fannin
1996	The Use of the Resistivity Piezocone (RCPTU) for the Geoenvironmental Characterization of Sulfide Bearing Tailings and Native Soils	Boyd, T.	R.G. Campanella
1996	Incremental Effective Stress Liquefaction Modeling of Sands	McIntyre, J.	P. Byrne
1996	Seismic Response of the George Massey Tunnel	Puar, S.	P. Byrne
1996	Landslide Initiation: a Unified Geostatistical and Probabilistic Modeling Technique for Stability Assessment	Wilkinson, J. M. T.	J. Fannin