

PUBLICATIONS

Refereed Journal Publications

1. Naghibi, F., and Fenton, G.A. (2021) “Design of Foundations Against Differential Settlement”, Canadian Geotechnical Journal, DOI: 10.1139/cgj-2020-0782.
2. Esposito G., Fenton, G.A., and Naghibi, F. (2020) “Seismic Reliability of Axially-loaded Vertical Piles”, Canadian Geotechnical Journal, DOI: 10.1139/cgj-2019-0342.
3. Naghibi, F., and Fenton, G.A., (2018) “Calibration of Resistance Factors for Geotechnical Seismic Design”, Canadian Geotechnical Journal, DOI: 10.1139/cgj-2018-0433.
4. Fenton, G.A., Naghibi, F., and Hicks, M. A. (2018) “Effect of Sampling Plan and Trend Removal on Residual Uncertainty”, Georisk, DOI: 10.1018/17499518.2018.1455106.
5. Naghibi, F., and Fenton, G.A., (2017) “Target geotechnical reliability for redundant foundation systems”, Canadian Geotechnical Journal, DOI: 10.1139/cgj-2016-0478, 2017.
6. Fenton, G.A., Naghibi, F., and Griffiths, D.V., (2016) “On a Unified Theory for Reliability-Based Geotechnical Design”, Computers and Geotechnics, DOI: 10.1016/j.compgeo.2016.04.013, 2016.
7. Naghibi, F., Fenton, G.A., and Griffiths, D.V., (2016) “Probabilistic Considerations for the Design of Deep Foundations Against Excessive Differential Settlement”, in press, Canadian Geotechnical Journal, DOI: 10.1139/cgj-2015-0194, 2016.
8. Fenton, G.A., Naghibi, F., Dundas, D., Bathurst, R.J., and Griffiths, D.V., (2016) Reliability-based geotechnical design in the 2014 Canadian Highway Bridge Design Code, Canadian Geotechnical Journal, DOI: 10.1139/cgj-2015-0158, 53(2), 236-251, 2016.
9. Naghibi, F., Fenton, G.A., and Griffiths, D.V., (2014) “Serviceability Limit State Design of Deep Foundations”, Géotechnique, DOI: 10.1680/geot. 14.P.40, 64: 1-13.
10. Naghibi, F., Fenton, G.A., and Griffiths, D.V., (2014) “Prediction of Pile Settlement in and Elastic Soil”, Computers and Geotechnics, 60: 29-32.

Refereed Conference Publications

1. Naghibi, F., and Fenton, G.A. (2020) “Differential settlement of foundations”, Proceedings of the 73rd Canadian Geotechnical Society Conference, GeoVirtual 2020, Canada, Paper No. 291.
2. Naghibi, F., and Fenton, G.A. (2019) “Considerations for Resistance Factor Calibration in the National Building Code of Canada”, Proceedings of the 72nd Canadian Geotechnical Society Conference, GeoStJohn's 2019, Sep 29-Oct 2, St. John's, Newfoundland, Canada, Paper No. 514.
3. Naghibi, F., and Fenton, G.A. (2018) “Geotechnical Resistance Factors for Seismic Design”, Proceedings of the 71th Canadian Geotechnical Conference and 13th joint CGS/IAH-CNC Groundwater Conference, GeoEdmonton 2018, Canadian Geotechnical Society, 23-26 Sep, Edmonton, Canada, Paper No. 424.

4. Fenton, G.A., and Naghibi, F. (2017) “Probabilistic Seismic Design of Geotechnical Systems”, Proceedings of the 70th Canadian Geotechnical Conference and 12th joint CGS/IAH-CNC Groundwater Conference, GeoOttawa 2017, Canadian Geotechnical Society, Oct 1-4, Ottawa, Canada, Paper No. 862.
5. Fenton, G.A., Griffiths, D.V., and Naghibi, F. “Future directions in reliability-based geotechnical design”, Geo-Risk 2017: The Keynote Lectures, Proceedings of the Geo-Risk 2017 Conference on Geotechnical Risk from Theory to Practice, Griffiths, D.V., Fenton, G.A., Huang, J., and Zhang, L., Eds., Denver Colorado, Jun 4-7, 2017.
6. Naghibi, F., Fenton, G.A., (2016) “Target Geotechnical Reliability for Redundant Foundation Systems”, Proceedings of the 69th Canadian Geotechnical Conference – GeoVancouver 2016, Canadian Geotechnical Society, Oct 2-5, Vancouver, Canada, Paper No. 3650.
7. Fenton, G.A., Naghibi, F., and Griffiths, D.V., (2015) “Reliability-Based Geotechnical Design: Towards a Unified Theory”, 12th International Conference on Applications of Statistics and Probability in Civil Engineering, ICASP12, Jul 12-15, Vancouver, Canada, Paper No. 504.
8. Naghibi, F., Fenton, G.A., and Griffiths, D.V., (2015), “Total versus Differential Settlement of Deep Foundations”, Proceedings of the 68th Canadian Geotechnical Conference – GeoQuebec 2015, Canadian Geotechnical Society, Sep. 20 – 23, Quebec City, Quebec, Canada, Paper No. 072.
9. Naghibi, F., and Fenton, G.A., (2015), “Role of Soil and Structural Heterogeneity in Geotechnical System Redundancy”, Proceedings of the 5th International Symposium on Geotechnical Safety and Risk (ISGSR), Oct. 13 – 16, Rotterdam, The Netherlands.
10. Fenton, G. A., Naghibi, F., (2014) “Reliability-Based Geotechnical Design Code Development”, Proceedings of the 2nd International Conference on Vulnerability and Risk Analysis and Management (ICVRAM 2014), Pages 2468-2477, Jul 13-16, Liverpool, UK.
11. Naghibi, F., Fenton, G.A., and Griffiths, D.V., (2013), “Resistance and Consequence Factor Calibration of Deep Foundations”, Proceedings of the 66th Canadian Geotechnical Conference - GeoMontreal 2013, Canadian Geotechnical Society, Sep. 29–Oct. 3, Montreal, Quebec, Canada, Paper No. 224 (CD-ROM).
12. Fenton, G.A., Naghibi, F., and Bathurst, R.J., (2012), “Comparison of Geotechnical LRFD Implementations”, Proceedings of the 65th Canadian Geotechnical Conference - GeoManitoba 2012, Canadian Geotechnical Society, Sep 30 - Oct 3, Winnipeg, Manitoba, Canada, Paper No. 163 (CD-ROM).
13. Naghibi, F., Fenton, G.A., Griffiths, D.V., and Bathurst, R.J., (2012), “Settlement of Piles Founded in Spatially Variable Soils”, GeoCongress 2012 Conference, American Society of Civil Engineers, Pages 2846-2855, Mar 2012, Oakland, CA, USA.
14. Naghibi, F., Vahdat, A, Heywood, M. I., (2009) “Evolutionary clustering with arbitrary subspaces”, Genetic and Evolutionary Computation Conference, Proceedings of the 11th Annual Conference on Genetic and Evolutionary Computation, Pages: 1913-1914, Montreal, Québec, Canada.