Publications of D.V. Griffiths

Journal Publications


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1 Awarded the George Stephenson Medal for 1993 by the Institution of Civil Engineers, London, England


2Awarded the Thomas C. Keefer Medal for 2011 by the Canadian Society for Civil Engineering


3Computers and Geotechnics, 2016 Outstanding Paper Award


[126] Oguz, E.A., Huvaj, N. and Griffiths, D.V. “Vertical spatial correlation length based on standard penetration tests.” Accepted for publication by Marine Georesources & Geotechnology [DOI]


[130] Zhu, D., Griffiths, D.V. and Fenton, G.A. “Worst case correlation length in probabilistic slope stability analysis.” Accepted for publication by Géotechnique


Textbooks


Chapters in Textbooks


Griffiths, D.V. “Stability Analysis of Highly Variable Soils by Elasto-Plastic Finite Elements.” in Advanced Numerical Applications and


Edited Journal Issues, Books and Conference Proceedings


Conference Publications


[181] Griffiths, D.V. “Analysis of stresses and mechanisms within a silo.” Proc. 2nd European Specialty Conference on Numerical Methods in


Griffiths, D.V. “Transient plasticity in geomechanics.” Proc. 2nd Czech. Conf. of the International Association for Computer Methods and Advances in Geomechanics (NUMEG 92), Prague, Czechoslovakia,


Woodward, P.K. and Griffiths, D.V. “Non-linear dynamic analysis of the Long Valley Dam.” Proc. Int. Conf. of the International Association for Computer Methods and Advances in Geomechanics (IAC-


[211] Paice, G.M. and Griffiths, D.V. “Bearing capacity reliability of an undrained clay block formed from spatially random soil”, In ACME’99,


Szynakiewicz, T., Griffiths, D.V. and Fenton, G.A. “A probabilistic investigation of c’, φ’ slope stability.” Proceedings of the 6th In-


[274] Xue, Y., Huang, H. and Griffiths, D.V. “Specimen reconstitution and uniaxial compressive strength testing of rock-soil mixtures.” Int


Fenton, G.A., Hicks, M.A., Xu, W. and Griffiths, D.V. “Effect of slope height and gradient on failure probability.” GeoCongress 2013,


[296] Pantelidis, L. and Griffiths, D.V. “Footing on the crest of a slope: Slope stability or bearing capacity?” Engineering Geology for Soci-


[303] **Allahverdizadeh, P., Griffiths, D.V. and Fenton, G.A.** “Influence of highly anisotropic properties on probabilistic slope stabil-


Inaugural ISSMGE Suzanne Lacasse Lecture


Robbins, B.A. and Griffiths, D.V. “Progress towards a local erosion criterion for backward erosion piping.” To appear in the 2018 International Conference on Scour and Erosion, Taipei, Taiwan

Other Published Material

Griffiths, D.V. “Goodbye Apollo.” California Engineer, vol.53, no.4, pp.32-33, (1975)


