

Publications by Dr Z. Cabarkapa

CABARKAPA, Z., CUCCOVILLO, T. & GUNN, M. (1998) A new triaxial apparatus for testing unsaturated soil. *Invited paper for presentation at 2nd International Conference on Unsaturated Soils, UNSAT'98, Beijing*

CABARKAPA, Z., CUCCOVILLO, T. & GUNN, M. (1999) Some aspect of the pre-failure behaviour of unsaturated soil. *Invited paper for poster session for Second International Symposium on Pre-failure Deformation Characteristics of Geomaterials, IS Torino '99*

CABARKAPA, Z. (2000) A multifunctional apparatus for unsaturated soil testing, *Sixth Young Geotechnical Engineers Symposium, City University, London*

CABARKAPA, Z., CUCCOVILLO, T. & GUNN, M. (2001) Discussion: "A unique relationship for c for the determination of the shear strength of unsaturated soils" by N. Khalili and M.H. Khabbaz, *Geotechnique* 48(5).

CABARKAPA, Z. & WHITE, M. (2002) Air-drying processes in unsaturated soils, *International workshop on Environmental Geomechanics, Monte Verita, Switzerland.*

CABARKAPA, Z., GUNN, M. & CUCCOVILLO, T. (2003) Response of soil with compressible pore fluid, *2nd Asian Conference on Unsaturated Soils, Osaka, Japan*

CABARKAPA, Z., CUCCOVILLO, T., GUNN, M. & CRILLY, S. M. (2003) Discussion: "Suction in compacted states" by Vatsala, A. and Srinivasa Murthy, B.R. *Geotechnique*, 52(4)

CABARKAPA, Z. MILLIGAN, G. W. E., MENKITI, C. O., MURPHY, J. & POTTS, D. M. (2003) Design and performance of a large diameter shaft in Dublin Boulder Clay, *BGA International Conference on Foundations, Dundee*

NUSEIBEH, G. M., HIGGINS, K. G., CABARKAPA, Z. & ZDRAVKOVIC, L. (2005) A numerical study of the behaviour of 19th century brick-lined tunnels in London, *11th International Conference of IACMAG, Torino, Italy, pp. 695-702*

CABARKAPA, Z. & CUCCOVILLO, T. (2006) Automated triaxial apparatus for testing unsaturated soils, *ASTM Geotechnical Testing Journal*

BOGHOSIAN, H., CABARKAPA, Z., FERREIRA, B., PEDLEY, M. & ST JOHN, H. D. (2006) Construction of a deep basement on a sloping site in Glasgow: The Aurora Project, *10th International Conference on Pilling and Deep Foundations, Article 1348*

CABARKAPA, Z. (2006) Discussion in *Geotechnique* 'Shear strength of cohesionless soils at low stress'. *Geotechnique*, 56(6), pp 439-441



PEDLEY, M., FERNIE, R., ST JOHN, H. D. & CABARKAPA, Z. (2007) Design and construction of high capacity large diameter bearing piles in the soils of the London basin for top down construction, *Proc. of the 14th European Conference on Soil Mechanics and Geotechnical Engineering*, Madrid, pp. 381-386

CABARKAPA, Z. (2007) Discussion in ASCE 'Drained Residual Shear strength of some claystones from Front Range, Colorado' *J. Geotech and Geoenviron. Engrg.* 133(9), pp 1172-1173

CABARKAPA, Z. (2007) A Non-Linear Failure Envelope for Unsaturated Soils, *Proc. of the 3rd Asian Conference on Unsaturated Soils*, China. pp. 185-190

FRANZIUS, J. N., SCHROEDER, F. C., GRAMMATIKOPOULOU, A., CABARKAPA, Z., HIGGINS, K. G. & POTTS, D. M. (2007) Comparison of different approaches to model compensation grouting. *Proc. 11th Int. Conf. on Numerical Models in Geomechanics - NUMOG X*, Rhodes (eds G.N. Pande & S. Pietruszczak), Taylor & Francis Group, pp 359-364

CABARKAPA, Z., (2007) Compensation grouting - recent advances. *Proc. 14th European Conf. on Soil Mechanics and Geotechnical Engineering*, Madrid

VALSTAD, T., CABARKAPA, Z. & TINTO, W. (2008) Rock slide in spillway cut Projecto Trasvase Olmos in Peru. *Inter. Geological Congress*, Oslo, Norway

CABARKAPA, Z., (2009) Influence of suction on the bearing capacity, Submitted to the 4th *Asia-Pacific Conference on Unsaturated Soils*

ZHANG, X., MAVROULIDOU, M., GUNN, M. J. & CABARKAPA, Z. (2009) Experiences gained using various axis translation technique apparatus to determine soil water retention curve, Submitted to the 4th *Asia-Pacific Conference on Unsaturated Soils*

ZHANG, X., CABARKAPA, Z., MAVROULIDOU, M. & GUNN, M. J. (2009) A study of the laboratory measurement of the Soil Water Retention Curve, 11th *International Conference on the Environmental Science and Technology (CEST 2009)*, Chania, Greece

ZHANG, X. MAVROULIDOU, M. GUNN, M. J., CABARKAPA, Z., & SUTTON, J. (2010) Developing a novel non-contact laser displacement transducer technique for volume change measurements of unsaturated soils, 5th *International Conference on Unsaturated Soil*, Barcelona

ZHANG, X., MAVROULIDOU, M., GUNN, M. J. & CABARKAPA, Z. (2010) A study of the water retention characteristics and volume change of lime treated London Clay, 5th *International Conference on Unsaturated Soil*, Barcelona

SPASOJEVIC, A. & CABARKAPA, Z. (2010) Extended stress field method for soils with nonlinear failure envelope, Submitted to *Geotechnique*



SPASOJEVIC, A. & CABARKAPA, Z. (2010) Extended stress field analysis for axisymmetric punch indentation, Submitted to *Canadian Geotechnical Journal*

Invited lectures

CABARKAPA, Z. (1999) Unsaturated soils - from theory to practice, Kings College, University of Aberdeen

CABARKAPA, Z. (2000) An experimental and numerical study of the behaviour of unsaturated soil, Soil Mechanics Colloquium, Imperial College, London.

CABARKAPA, Z. (2007) Infrastructure projects – British Infrastructure Development Specialists Event, British Embassy Belgrade

CABARKAPA, Z. (2008) Numerical modelling – recent advances, University of Podgorica, Montenegro

CABARKAPA, Z. (2009) Geotechnical Risk – Bank of America/Merrill Lynch, Bank of America HQ, London

CABARKAPA, Z. (2010) Olmos Collapse – University of Bari, Italy

CABARKAPA, Z. (2010) What engineers should know about investment, and investors about engineering, Real Estate Exhibition and Conference, Belgrade

Theses

CABARKAPA, Z. (2001) Mechanical behaviour and modelling of unsaturated soil. PhD Thesis, South Bank University, London

CABARKAPA, Z (1996) Coefficient N_γ in the theory of bearing capacity of shallow foundations on sand, MSc dissertation, University of Belgrade

