

## Publications by Dr C. O. Menkiti

**MENKITI, C. O. (1987)** Slope Stabilisation using Ground Anchors, *MSc thesis*, Imperial College of Science Technology and Medicine, University of London

**MENKITI, C. O. (1994)** Behaviour of clay and clayey-sand, with particular reference to principal stress rotation, *PhD thesis*, Imperial College of Science Technology and Medicine, University of London.

**HARRIS, D. I., MENKITI C. O., POOLEY, A. J. & STEPHENSON, J. A. (1996)** Construction of low-level tunnels below Waterloo Station for the Jubilee Line Extension, *Geotechnical Aspects of Underground Construction in Soft Ground* (Eds. R. J. Mair & R. N. Taylor), Balkema, Ppp 361-366

**JARDINE, J. R. & MENKITI, C. O. (1999)** The undrained anisotropy of  $K_0$  consolidated sediments, *Proceedings of the ECSMGE*, Amsterdam, Vol 2 pp 1101-1108, Balkema, Rotherdam.

**MENKITI, C. O., SANDERS, P., BARR, J., MAIR, R. J., CILINGIR, M. & JAMES, S. (2001)** Effects of the 12th November 1999 Duzce Earthquake on Stretch 2 of the Gumusova-Gerede Motorway, Turkey, *Proceedings of the Fourteenth International Road Federation (IRF) Road World Congress*, 11th – 15th June, 2001, Paris.

**O' ROURKE, T. D., GOH, S. H., MENKITI, C. O. & MAIR, R. J. (2001)** Highway tunnel performance during the 1999 Duzce earthquake, *Proceedings of the Fifteenth International Conference on Soil Mechanics and Geotechnical Engineering*, Istanbul, 27 - 31 August 2001

**TURANLIA, L., MENKITI, C. O., USLU, B. H. & ISIK, S. (2001)** Specialized creep and shrinkage tests for concrete and shotcrete lining of motorway tunnel in heavily squeezing ground, *Proceedings of the Conference on Creep, Shrinkage & Durability Mechanics of Concrete and Other Quasi-Brittle Materials*, 20-22 August 2001, Massachusetts, USA

**MENKITI, C. O., MILES, R. & MAIR, R. J. (2001)** Tunnelling in Complex Ground Conditions in Bolu Turkey, *Proceedings of the Underground Construction 2001 Symposium*, London, 18th - 20th September 2001

**LONG, M., MENKITI, C. O., KOVACEVIC, N., MILLIGAN, G. W. E., COULET, D. & POTTS, D. M. (2003)** An observational approach to the design of steep sided excavations in Dublin glacial till, *Proceedings of the Underground Construction 2003 Symposium*, London, 24-25th September 2003.

**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, *Proceedings of the BGA International Conference on Foundations*, Dundee, Scotland on 2 - 5th Sept 2003, (Ed T. A. Nelson), pp 175-186.



**MENKITI, C. O. & MC NALLY, C. (2004)** Shotcrete – DPT Award Winning Concrete Solution, *Concrete Today*, Magazine of the Irish Concrete Federation, June 2004.

**LONG, M., MENKITI, C. O & FOLLET, B. (2004)** Some Experience in Measuring Pore Water Suction in Dublin Glacial Till, *Geotechnical News*, Vol. 22, No. 3, September 2004.

**MENKITI, C. O., LONG, M., KOVACEVIC, N, EDMONDS, H. E. MILLIGAN, G. W. E. & POTTS, D. M. (2004)** Trial excavation for cut and cover tunnel construction in glacial till – a case study from Dublin, *Proceedings of a three day conference on advances in geotechnical engineering organised by the ICE and held at Royal Geological Society*, London, UK on 29 - 31 March 2004 (Skempton Memorial Conference) Vol 2, pp 1090-1104 (Ed. Jardine, R. J., Potts, D. M & Higgins, K. G.)

**SKIPPER, J., FOLLETT, B., MENKITI, C. O., LONG, M. & CLARK-HUGHES, J. (2005)** The Engineering Geology and Characterisation of Dublin Boulder Clay, *Quarterly Journal of Engineering Geology & Hydrogeology*, 38, 171 – 187.

**MILLIGAN, G. W. E, MENKITI, C. O., LONG, M., KOVACEVIC, N., PATERSON, S. R., COULET, D. & POTTS, D. M. (2006)** Design and performance of fully and partly nailed slopes in Dublin boulder clay, submitted for publication in *Géotechnique*, March 2006.

**LONG, M. & MENKITI, C. O. (2006)** Characterisation and engineering properties of Dublin boulder clay, submitted to the *Proceedings of the 2<sup>nd</sup> International Conference on Characterisation and Engineering Properties of Natural Soils*, Singapore 29 November 2006

**PIGORINI, A., IANNOTTA, F., HARRIS, D. I., MENKITI, C. O., FACIBENI, L., MAIR, R. J., JAMIOLKOWSKI, M. & LEONI, F. (2006)** The Successful Application of Compensation Grouting to Protect a Railway Viaduct from Tunnelling Induced Movements, *submitted for publication in Ingegneria Ferroviaria (in Italian)*.

**LONG, M. & MENKITI, C. O. (2007)** Geotechnical Properties of Dublin boulder clay, *Géotechnique*, 57, No. 7, 595-611.

**BRACEGIRDLE, A., CLARK, A. & MENKITI, C. O. (2007).** Climate change impacts on landslide mechanisms and hazard in Southern UK, *Proceedings of the International Conference on Landslides and Climate Change – Challenges and Solutions*, Isles of Wright, 21 – 24<sup>th</sup> May 2007.

**IANNOTTA, F., PIGORINI, A., MAIR, R. J., FACIBENI, L., HARRIS, D. I., MENKITI, C. O. & LEONI, F. (2007)** Applicazione della tecnica del compensation grouting per il controllo dei cedimenti indotti dallo scavo di gallerie al di sotto di un viadotto ferroviario, XXIII Convegno Nazionale di Geotecnica, Padova, Abano Terme 2007. (*Application of the technique of compensation grouting for the control of sediments induced by excavation of tunnels beneath a railway viaduct, in Italian*)

**MENKITI, C. O. & LONG, M. (2008)** Performance of soil nails in Dublin glacial till, *Canadian Geotechnical Journal*, 45(12), pp 1685-98



**KONTOE, S., ZDRAVKOVIC, L., POTTS, D. M. & MENKITI, C. O. (2008)** Case study on seismic tunnel response, *Canadian Geotechnical Journal*, 45(12), pp 1743-64 - **awarded British Geotechnical Association Medal 2009**

**KOVACEVIC, N., MILLIGAN, G.W.E., MENKITI, C.O., LONG, M. & POTTS, D.M. (2008)** Finite element analyses of steep man-made cuts in Dublin Boulder Clay, *Canadian Geotechnical Journal*, 45(4), pp. 549-559.

**PIGORINI, A., IANNOTTA, F., MAIR, R. J., HARRIS, D. I., MENKITI, C. O. & LEONI, F. (2009)** The Application of Compensation Grouting to Protect a Railway Viaduct from Tunnelling Induced Movements, *Proceedings of the International Tunnelling and Underground Space Association (ITA-AITES) World Tunnel Congress*, Budapest, Hungary - 23-28 May

**KONTOE, S., ZDRAVKOVIC, L., POTTS, D. M. & MENKITI, C. O. (2009)** Comparison of constitutive models through a case study on seismic response of tunnels, *Proceedings of International Conference on Performance-Based Design in Earthquake Geotechnical Engineering - from case history to practice*, Tokyo, Japan, June 15 - 18, 2009 (IS-Tokyo 2009) Paper No. 132, pp.1051-1059

**MAIR, R. J., VIGGIANI, G. & MENKITI, C. O. (2009)** Reduction and Control of Surface Settlement Induced by Shallow and deep Excavations, *Risk Mitigation by Soil Improvement and Reinforcement*, XXII Conferenze di Geotecnica di Torino, 18 e 19 Novembre 2009.

**MERRITT, A. S., MENKITI, C. O., HARRIS, D. I., ZDRAVKOVIC, L., POTTS, D. M. & MAIR, R. J. (2010)**, 3D finite element analysis of a diaphragm wall excavation with sacrificial crosswalls, *International Geotechnical Conference on Geotechnical Challenges in Megacities*, Moscow, Russia, 7-10 June 2010

**KONTOE, S., ZDRAVKOVIC, L., POTTS, D. M. & MENKITI, C. O. (2011)**, On the relative merits of simple and advanced constitutive models in dynamic analysis of tunnels, accepted by *Géotechnique* in Jan 2011. Paper digital object identifier (DOI): 10.1680/geot.9.P.141

**LONG, M., BRANGAN, C., MENKITI, C. O. & LOOBY, M. (2010)**, Retaining walls in Dublin boulder clay, accepted by *Geotechnical Engineering, Proceedings of the Institution of Civil Engineers* in Nov 2010.

**LONG, M., MENKITI, C. O., SKIPPER, J. A., BRANGAN, C. & LOOBY, M. (2010)** Retaining Wall Behaviour in Dublin's Estuarine Deposits, accepted by *Geotechnical Engineering, Proceedings of the Institution of Civil Engineers* in Nov 2010

**KONTOE S., ZDRAVKOVIC, L., MENKITI, C. O., POTTS, D. M. & LENNON, R. F (2011)**, Seismic response of complex soil-structure systems, submitted Feb2011 *Geotechnics of Hard Soils – Weak Rocks, 15<sup>th</sup> European Conference on Soil Mechanics and Geotechnical Engineering*, Athens, Greece, 12-15 September 2011.



**MENKITI, C. O., MERRITT, A. S., CHOY, C. K., MORTIMORE, R. N. & BLACK, M. (2011)** Geotechnical Properties of the Chalk in east London and the Thames Gateway, Submitted Feb2011 *Geotechnics of Hard Soils – Weak Rocks, 15<sup>th</sup> European Conference on Soil Mechanics and Geotechnical Engineering*, Athens, Greece, 12-15 September 2011.

**LONG, M., MENKITI, C. O. & HIGGINS, K. G. (2011)** Soil nailing in Dublin boulder clay – a hard lodgement till, Submitted Mar2011 *Geotechnics of Hard Soils – Weak Rocks, 15<sup>th</sup> European Conference on Soil Mechanics and Geotechnical Engineering*, Athens, Greece, 12-15 September 2011.

**MENKITI, C. O. (2011)**, *General Reporter* Session TS1, Construction, design, and measured performance of bored tunnels, in preparation for the *Geotechnical Aspects of Underground Construction in Soft Ground*, 16 – 18 May 2011, Roma, Italy.

