

Publications by Dr M. S. P. Wan

WAN, S. P. AND Z. Q. YUE. (2003) Effects of different slice methods on soil nail design for cut slope stabilization, *Proceedings of the International Conference on Slope Engineering*, 8-10 December 2003, Hong Kong, China, pp 461-466.

WAN, S. P. & YUE, Z. Q. (2004) Significant cost implications in using Janbu's simplified or Morgenstern-Price slice methods for soil nail design of cut slopes, *Transactions of the Hong Kong Institution of Engineers*, Hong Kong, 11(1), pp 54-63.

WAN, S. P. (2006) Investigating pore pressure dissipation and associated consolidation settlements following tunnel construction in London Clay, *MSc dissertation*, Imperial College London, UK.

FEARNHEAD, N., MANISCALCO, K., STANDING, J. R. & WAN, M. S. P. (2014) Deep excavations: monitoring mechanisms of ground displacement. *Proceedings of the Institution of Civil Engineers – Geotechnical Engineering*, 167(2), pp.117-129.

WAN, M. S. P. (2014) Field monitoring of ground response to EPBM tunnelling close to existing tunnels in London Clay. *PhD thesis*, Imperial College London, London, UK.

WAN, M. S. P. & STANDING, J. R. (2014) Lessons learnt from installation of field instrumentation. *Proceedings of the Institution of Civil Engineers – Geotechnical Engineering*. 167(5), pp.491-506.

WAN, M. S. P. & STANDING, J. R. (2014) Field measurement by fully grouted vibrating wire piezometers. *Proceedings of the Institution of Civil Engineers - Geotechnical Engineering*, 167(6), pp.547-564. **Highly commented award of Crossrail Technical Papers Competition 2013.**

HAUSWIRTH, D., PUZRIN, A. M., CARRERA, A., STANDING, J. R. & WAN, M. S.P. (2014) Application of fibre optic sensors for simple assessment of ground surface displacements during tunnelling. *Géotechnique*, 64(10), pp.837-842.

STANDING J.R., POTTS D.M., VOLLUM, R., BURLAND J.B., TSIAMPOUSI, A., AFSHAN, S., YU J.B.Y., WAN M. S. P. & AVGERINOS V. (2015) Investigating the effect of tunnelling on existing tunnels. *Proceedings of Conference of Underground Design and Construction*, Hong Kong, IOM3, Hong Kong Branch, pp 301 – 312.

WAN, M. S. P., STANDING, J. R., POTTS, D. M. & BURLAND, J. B. (2017) Measured short-term ground surface response to EPBM tunnelling in London Clay. *Géotechnique*, 67(5), pp 420-445. [<http://doi.org/10.1680/jgeot.16.P.099>]

WAN, M. S. P., STANDING, J. R., POTTS, D. M. & BURLAND, J. B. (2017) Measured short-term subsurface ground displacements from EPBM tunnelling in London Clay. *Géotechnique*, 67(9), pp 748-779. [<http://doi.org/10.1680/jgeot.SIP17.P.148>]. Paper awarded **Telford Gold Medal 2018.**



AVGERINOS, V., POTTS, D. M., STANDING, J. R. & WAN, M. S. P. (2018) Predicting tunnelling-induced ground movements and interpreting field measurements using numerical analysis: Crossrail case study at Hyde Park. *Géotechnique*, 68(1), pp 31–49. [<http://doi.org/10.1680/jgeot.16.P.219>]

WAN, M. S. P., STANDING, J. R., POTTS, D. M. & BURLAND, J. B. (2019) Pore water pressure and total horizontal stress response to EPBM tunnelling in London Clay. *Géotechnique*, 69(5), pp. 434-457. [<http://doi.org/10.1680/jgeot.17.P.309>]

WAN, M. S. P., STANDING, J. R., POTTS, D. M., BURLAND, J. B., PARKER, S. & THOMAS, I. (2020) Discussion of Pore water pressure and total horizontal stress response to EPBM tunnelling in London Clay. *Géotechnique*, Ahead of Print. [<http://doi.org/10.1680/jgeot.19.d.007>]

WAN, M. S. P., STANDING, J. R., POTTS, D. M. AND BURLAND, J. B. (2020) Measured post-construction ground response to EPBM tunnelling in London Clay. *Proceedings of the 10th International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground*. 29 and 30 June 2020, Cambridge, UK.

