



# Publications

# Publications

## 2012 Books and Chapters

Randolph, M.F. (2012) Offshore Design Approaches and Model Tests for Sub-Failure Cyclic Loading of Foundations, in *Mechanical Behaviours of Soils under Environmentally Induced Cyclic Loads*, Springer, Italy. ISBN: 978-3-7091-1067-6.

Randolph, M.F. (2012) Cyclic Interface Shearing in Sand and Cemented Soils and Application to Axial Response of Piles, in *Mechanical Behaviours of Soils under Environmentally Induced Cyclic Loads*, Springer, Italy. ISBN: 978-3-7091-1067-6.

Randolph, M.F. (2012) Evaluation of the Remoulded Shear Strength of Offshore Clays and Application to Pipeline-Soil and Riser-Soil Interaction, in *Mechanical Behaviours of Soils under Environmentally Induced Cyclic Loads*, Springer, Italy. ISBN: 978-3-7091-1067-6.

White, D.J. and Boylan, N.P. (2012) Offshore Geotechnics: Research and practice beyond the boundaries of traditional soil mechanics. Invited lecture. *Bridging research and practice – the VLA experience*. Volume 2. Ed. V. Li. Centre for Research and Professional Development, Hong Kong. ISBN 978-988-99028-7-2.

## 2011 Books and Chapters

Randolph, M.F. and Gourvenec, S.M. (2011) Offshore Geotechnical Engineering, Taylor and Francis, London.

Clukey, E.C. and Randolph, M.F. (2011) The application of centrifuge model testing to deepwater geotechnical problems, Chapter 6 in *Deepwater Foundations and Pipeline Geomechanics*, Ed. W.O. McCarron, J. Ross Publishing, Fort Lauderdale, Florida.

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Boylan, N., M. Long and Mathijssen F.A.J.M. (2011) In-situ strength characterisation of peat and organic soil using full flow penetrometers, *Canadian Geotechnical Journal*, **48**(7): 1085–1099.

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Boukpeti, N., D. J. White, M. F. Randolph and H. E. Low (2012) Strength of fine-grained soils at the solid-fluid transition, *Geotechnique*, **62**(3) 213-226.

Bienen B., Dührkop J., Grabe J., Randolph M.F. and White D.J. (2012) The response of piles with wings to monotonic and cyclic lateral loading in sand, *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, **138**(3): 364-375.

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Cassidy, M. J. (2012) Experimental observations of the penetration of spudcan footings in silt, *Géotechnique*, **62**(8): 727-732.

Cassidy, M.J., Gaudin, C., Randolph, M.F., Wong, P.C., Wang, D. and Tian, Y. (2012) A plasticity model to assess the keying of plate anchors, *Géotechnique* **62**(9): 825–836.

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DeJong, J. and Randolph M. F. (2012) Influence of partial consolidation during cone penetration on estimated soil behaviour type and pore pressure dissipation measurements, *Journal of Geotechnical & Geoenvironmental Engineering*, **138**(7): 777-788.

Gan, C.T., Leung, C.F., Cassidy, M.J., Gaudin, C., Chow, Y.K. (2012) Effect of time on spudcan-footprint interaction in clay, *Géotechnique*, **62**(5): 401-413.

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Yi, J. T., S. H. Goh, F. H. Lee and M. F. Randolph (2012) A numerical study of cone penetration in fine-grained soils allowing for consolidation effects, *Geotechnique*, **62**(8): 707-719.

Yu, L., Hu, Y., Liu, J., Randolph, M.F., Kong, X. (2012) Numerical study of spudcan penetration in loose sand overlying clay, *Computers and Geotechnics*, **46**: 1-12.

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An, H., Luo, C., Cheng, L. and White, D.J. (2012) Re-examination of the hydrodynamic forces acting on partially buried submarine pipelines. *Proceedings of the 31st Conference on Offshore Mechanics and Ocean Engineering (OMAE)*, Paper OMAE2012-83269.

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Blake, A. and O'Loughlin, C.D. (2012) Field testing of a reduced scale dynamically embedded plate anchor. *Proceedings of the 7th International Conference of Offshore Site Investigations and Geotechnics*, London, England, 12-14 September 2012.

Cheng, N., Kimiaei, M., Cassidy, M.J. (2012) Three-dimensional pushover analysis of jack-up platform. *31st International Conference on Offshore Mechanics and Arctic Engineering (OMAE)*, Rio de Janeiro, Brazil, Paper: OMAE83619.

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### Upcoming publications

Beckett, C., Ciancio, D., Carraro, J.A.H. (?), An experimental investigation into lime stabilised rammed earth. *Construction & Building Materials*, Elsevier (submitted O-Tube (Accepted in press)).

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