

PERSONAL DETAILS

Surname: Oh
Given Names: Erwin
Nationality: Australian
Telephone (Work): +61 (07) 5552 9062
Fax: +61 (07) 5552 8065
E-mail: y.oh@griffith.edu.au

ACADEMIC QUALIFICATIONS

- Bachelor of Engineering, National Taiwan Ocean University
- Master of Science in Engineering, National Taiwan Ocean University
- Doctor of Philosophy, Griffith University

PROFESSIONAL QUALIFICATIONS AND MEMBERSHIP

1. Member, Engineers Australia
2. Member, Australian Geomechanics Society
3. Member, International Society for Soil Mechanics and Geotechnical Engineering

AWARDS

- 2014 Griffith University 'Outstanding Contribution to Internationalisation' Award.
2010 Teaching Award, Lecturer of the year, Griffith School of Engineering.
2009 Teaching Commendation (Science, Environment, Engineering and Technology), Griffith University.

PROFESSIONAL EMPLOYMENT HISTORY

- 02.2015~to date Deputy Head of School/Associate Dean (International), Griffith School of Engineering, Griffith University, Australia.
01.2014~to date Senior Lecturer, Griffith School of Engineering, Griffith University, Australia.
07.2007~12.2013 Lecturer, Griffith School of Engineering, Griffith University, Australia.
03.2003~06.2007 Engineer/Senior Engineer, Queensland Department of Main Roads, Australia

PUBLICATIONS

- 49 Journal Publications
- 72 Conference Publications

Journal Publication

1. Wang, Y., Oh, E., and Zhan, J. (2016). "Examining the behaviors of sandy and silty seabed under wave actions". Journal of Marine Science and Technology, DOI: 10.6119/JMST-015-1231-1
2. Bolton, M., Noonan, J., and Oh, E. (2016) "Effect of Soil Cement Column Spacing and Area Replacement Ratio on Embankment Bearing Capacity: A Queensland Case Study". International Journal of GEOMATE (ISSN: 2186-2982), Vol. 11, No. 26, 2589-2594.
3. Yong, C., and Oh, E. (2016). "Modelling Ground Response for Deep Excavation in Soft Ground". International Journal of GEOMATE (ISSN: 2186-2982), Vol. 11, No. 26, 2633-2642.
4. Bolton, M., Noonan, J., and Oh, E. (2015) "Effect of Soil Cement Replacement Ratio on Settlement Reduction". Electronic Journal of Geotechnical Engineering (ISSN: 1089-3032), Vol. 20, 1457-1468.
5. Likitlersuang, S., Surarak, C., Suwansawat, S., Wanatowski, D., Oh, E., and Balasubramaniam, A. (2014). "Simplified finite-element modelling for tunnelling-induced settlements". Geotechnical Research (ISSN: 2052-6156). Vol. 1, Issue 4, 133-152.
6. Qu, X., Oh, E., Weng, J., and Jin, S. (2014). "Bus travel time reliability analysis: a case study". Proceedings of the Institution of Civil Engineers Transport, Vol. 167, Issue TR3, 178-184.
7. Qu, X., Ren, L., Wang, S., and Oh, E. (2014). "Estimation of Entry Capacity for Single-Lane Modern Roundabouts: Case Study in Queensland, Australia". ASCE Journal of Transportation Engineering (ISSN: 0733-947X), Vol. 140, No. 7. [http://dx.doi.org/10.1061/\(ASCE\)TE.1943-5436.0000675](http://dx.doi.org/10.1061/(ASCE)TE.1943-5436.0000675)
8. Al-Ani, H., Oh, E., and Chai, G. (2014). "GIS-based examination of peats and soils in Surfers Paradise, Australia". Soil Science Annual (ISSN: 2300-4975), Vol. 65, No. 1, 29-38.
9. Asoudeh, A., and Oh, E. (2014). "Strength Parameter Selection in Stability Analysis of Residual Soil Nailed Walls". International Journal of GEOMATE (ISSN: 2186-2982), Vol. 7, No. 13, 950-954.
10. Wang, Y., Oh, E., and Chang, S-C. (2014). "Pore Pressure Response of Clayey Seabed under Ocean Wave". International Journal of GEOMATE (ISSN: 2186-2982), Vol. 6, No. 2, 848-858.
11. Mosavat, N., Oh, E., and Chai, G., (2014). "Laboratory Evaluation of Physico-chemical Variations in Bentonite under Electrokinetic Enhancement". International Journal of GEOMATE (ISSN: 2186-2982), Vol. 6, No. 1, 817-823.
12. Mosavat, N., Oh, E., and Chai, G., (2014). "Laboratory Investigation on Physico-chemical Changes in Kaolinite during Electrokinetic Treatment Subjected to Enhancement Solutions". Electronic Journal of Geotechnical Engineering (ISSN: 1089-3032), Vol. 19, No. E, 1215-1233.
13. Qu, X., Kuang, Y., Oh, E., and Jin, S. (2014). "Safety Evaluation for Expressways: A Comparative Study for Macroscopic and Microscopic Indicators". Traffic Injury Prevention (ISSN: 1538-9588), Vol. 15, 89-93.
14. Wang, Y., and Oh, E. (2013). "Finite Difference Model for Assessing Sandy Seabed Response". Electronic Journal of Geotechnical Engineering (ISSN: 1089-3032), Vol. 18, No. X, 5449-5470.
15. Al-Ani, H., Eslami-Andargoli, L., Oh, E., and Chai, G. (2013). "Categorising Geotechnical Properties of Surfers Paradise Soil Using Geographic Information System". International Journal of GEOMATE (ISSN: 2186-2982), Vol. 5, No. 2, 690-695.

16. Chai, G. W., Argadiba, S., Stephenson, G., Condric, I., Oh, E., and Manoharan, S. (2013). "Prediction of Subgrade CBR using FWD for Thin Bituminous Pavements". *International Journal of Pavement Research and Technology* (ISSN: 1996-6814), Vol. 6, No. 4, 280-286.
17. Likitlersuang, S., Surarak, C., Wanatowski, D., Oh, E., and Balasubramaniam, A. (2013). "Finite element analysis of a deep excavation: A case study from the Bangkok MRT". *Soils and Foundations* (ISSN: 0038-0806), Vol. 53, No.5, 756-773.
18. Likitlersuang, S., Teachavorasinskun, S., Surarak, C., Oh, E., and Balasubramaniam, A. (2013). "Small strain stiffness and stiffness degradation curve of Bangkok Clays". *Soils and Foundations* (ISSN: 0038-0806), Vol. 53, No.4, 498-509.
19. Mosavat, N., Oh, E., and Chai, G. (2013). "Laboratory Assessment of Kaolinite and Bentonite under Chemical-electrokinetic Treatment". *Journal of Civil and Environmental Engineering* (ISSN: 2165-784X), Vol. 3, No. 1, 129-136.
20. Al-Ani, H., Oh, E., and Chai, G. (2013). "Characteristics of embedded peat in coastal environments". *International Journal of GEOMATE* (ISSN: 2186-2982), Vol. 5, No. 1, 610-619.
21. Al-Ani, H., Oh, E., Eslami-Andargoli, L., and Chai, G. (2013). "Subsurface Visualization of Peat and Soil by using GIS in Surfers Paradise, Southeast Queensland, Australia". *Electronic Journal of Geotechnical Engineering* (ISSN 1089-3032), Vol. 18, No. I, 1761-1774.
22. Likitlersuang, S., Surarak, C., Wanatowski, D., Oh, E., and Balasubramaniam, A. (2013). "Geotechnical parameters from pressuremeter tests for MRT Blue Line extension in Bangkok". *Geomechanics and Engineering* (ISSN: 2005-307X), Vol. 5, No. 2, 99-118.
23. Mosavat, N., Oh, E., and Chai, G. (2013). "Liquefaction Risk Potential of Road Foundation in the Gold Coast Region, Australia". *Electronic Journal of Geotechnical Engineering* (ISSN 1089-3032), Vol. 18, No. G, 1493-1504.
24. Surarak, C., Likitlersuang, S., Wanatowski, D., Balasubramaniam, A., Oh, E and Guan, H. (2012). "Stiffness and strength parameters for hardening soil model of soft and stiff Bangkok clays". *Soils and Foundations* (ISSN: 0038-0806), Vol. 52, No.4, 682-697.
25. Mosavat, N., Oh, E., and Chai, G. (2012). "A Review of Electrokinetic Treatment Technique for Improving the Engineering Characteristics of Low Permeable Problematic Soils". *International Journal of GEOMATE* (ISSN: 2186-2982), Vol. 2, No. 2, 266-272.
26. Balasubramaniam, A. S., Cai, H., Zhu, D., Surarak, C., and Oh, E. Y. N. (2010). "Settlements of Embankments in Soft Soils". *Geotechnical Engineering Journal of the SEAGS & AGSSEA* (ISSN: 0046-5828), Vol. 41, No. 2, 1-19.
27. Balasubramaniam, A. S., Oh, E. Y. N., and Phienweij, N. (2009). "Performance of Bored and Driven Pile in Bangkok Sub-Soils". *Journal of the International Association of Lowland Technology* (ISSN: 1344-9656), Vol. 11, No. 1, 29-36.
28. Balasubramaniam, A. S., Huang, M., Bolton, M., Oh, E. Y. N., Bergado, D. T., Phienweij, N., (2007). "Interpretation and Analysis of Test Embankment in Soft Clays with and without Ground Improvement". *Geotechnical Engineering – Journal of the Southeast Asian Geotechnical Society* (ISSN: 0046-5828), Vol. 38, No.3, 235-254.
29. Balasubramaniam, A. S., Oh, E. Y. N., Lee, C. J., Handali, B, and Seah, T. H. (2007). "A more fundamental approach to predict pore pressure for soft clay". *Journal of the International Association of Lowland Technology* (ISSN: 1344-9656), Vol. 9, No. 1, 11-18.
30. Chai, G. W. K, Oh, E. Y. N., and Smith, W. (2006). "Development of A Predictive Model for Cement Stabilised Road-base". *Journal of Korean Society of Pavement Engineers*, Vol. 8, No.2, 31-35.
31. Balasubramaniam, A. S., Oh, E. Y. N., Bolton, M., Bergado, D. T., and Phienweij, N., (2005). "Deep well pumping in the Bangkok plain and its influence on the ground improvement development with surcharge and vertical drains". *Ground Improvement* (ISSN: 1365-781X), Vol. 9, No. 4, 149-162.
32. Balasubramaniam, A. S., Oh, E. Y. N., and Bolton, M., (2005). "The application of normality rule and energy balance equations for normally consolidated clays". *Lowland Technology International, Journal of the International Association of Lowland Technology* (ISSN: 1344-9656), Vol. 7, No. 1, 1-12.
33. Jeng, D. S., Lee, T. L., Chien, L. K., Rahman, M. S., Oh Y. N., (2004). "Analytical Assessment of Non-Linear Wave-Induced Seabed Response". *Geotechnical Engineering, Journal of the Southeast Asian Geotechnical Society*, Vol. 35, No. 2, 87-94.
34. Balasubramaniam, A. S., Kim, S. R., and Oh, Y. N. (2004). "Discussion on "Numerical Interpretation of a Shape of Yield Surface Obtained From Stress Probe Tests". *Soils and Foundations*, Vol. 44, No. 6, 129-132.
35. Balasubramaniam, A. S., and Oh, Y. N. (2004). "Discussion on Applicability of Shansep Method to Six Different Natural Clays, Using Triaxial and Direct Shear Tests". *Soils and Foundations*, Vol. 44, No. 6, 129-129.
36. Balasubramaniam, A. S., Phienweij, N., Bergado, D. T., and Oh, Y.N. (2004). "Discussion on Geotechnical Hazards in Bangkok - Present & Future". *Lowland Technology International (Journal of the International Association of Lowland Technology)*, Vol. 6, No. 1, 63-66.
37. Balasubramaniam, A. S., Bergado, D. T., Lorenzo, G. A., and Oh, Y.N. (2003). "Discussion on Lime treated clay: salient engineering properties and a conceptual model". *Soils and Foundations*, Vol. 43, No. 6, 189-190.
38. Balasubramaniam, A. S., Lee, Y. H. and Oh, Y.N. (2003). "Modified Soil Mechanics from Practice to Theory". *Journal of Institution of Engineers Malaysia* (ISSN 0125-513X), Vol. 63, No.4, 1-13.
39. Chien, L.K., Oh, Y.N. and Chang, C-H. (2002). "Effects of fines content on liquefaction strength and dynamic settlement of reclaimed soil". *Canadian Geotechnical Journal*, Vol.39, No. 1, 254-265.
40. Chien, L.K., and Oh, Y.N. (2002). "Influences of fines content and initial shear stress on dynamic properties of hydraulic reclaimed soil". *Canadian Geotechnical Journal*, Vol.39, No. 1, 242-253.
41. Chien, L.K. and Oh, Y.N. (2001). "Dynamic properties of hydraulic reclaimed soil under initial shear stress". *Geotechnical Engineering, Journal of Southeast Asian Geotechnical Society*, Vol.32, No.2, 59-73
42. Chien, L.K., Lin, M.C. and Oh, Y.N. (2000). "Shear wave velocity and spt-n values of in-situ reclaimed soil in west Taiwan". *Geotechnical Engineering, Journal of Southeast Asian Geotechnical Society*, Vol.31, No.1, 63-77.
43. Chien, L.K. and Oh, Y.N. (2000). "Laboratory and field shear wave measurement at a reclaimed site in west Taiwan". *ASTM Geotechnical Testing Journal*, Vol. 23, No.1, 21-35.
44. Chien, L.K., Lin, M.C. and Oh, Y.N. (2000). "Shear wave velocity evaluation on reclaimed soil in west Taiwan". *International Journal of Offshore and Polar Engineering*, Vol.10, No.1, 73-79.

45. Chien, L.K., Chang, S.-J. and Oh, Y.N. (1999). "Influences on the dynamic properties of reclaimed soil under initial shear stress". *Journal of Chinese Geotechnical Engineering*, Vol.21, No.4, 420-426 (in Chinese).
46. Chien, L.K., Yeh, G.-L. and Oh, Y.N. (1998). "Influence factor on the shear modulus and damping of reclaimed soil". *Geotechnical Engineering, Journal of Southeast Asian Geotechnical Society*, Vol.29, No.2, 157-179.
47. Chien, L.K. and Oh, Y.N. (1998). "Influence on the shear modulus and damping ratio of hydraulic reclaimed soil in west Taiwan". *International Journal of Offshore and Polar Engineering*, Vol.8, No.3, 228-235.
48. Chien, L.K. and Oh, Y.N. (1998). "Hyperbolic model parameters for mechanical behavior of reclamation soil". *Geotechnical Engineering, Journal of Southeast Asian Geotechnical Society*, Vol.29, No.1, 45-69.
49. Chien, L.K., Yeh, G.-L. and Oh, Y.N. (1995). "Influences of fines content on dynamic properties of reclaimed soil". *Journal of Civil and Hydraulic Engineering*, Vol.7, No.4, 409-420 (in Chinese).

Conference Publication

1. Kim, D. H., Gratchev, I., Oh, E. and Balasubramaniam, A. S. (2016). "Assessment of Rock Slope Weathering Based on the Alteration of Photogrammetric Roughness Data". *Proceedings of 19th Southeast Asian Geotechnical Conference* (ISBN: 978-983-40616-4-7), Malaysia, 901-906.
2. Likitlersuang, S., Yimsiri, S., Surarak, C., Oh E., and Balasubramaniam, A. S. (2016). "Identification of Bangkok Subsoil Parameters for Finite Element Analysis of Excavation and Tunnelling". *Proceedings of 19th Southeast Asian Geotechnical Conference* (ISBN: 978-983-40616-4-7), Malaysia, 993-998.
3. Asoudeh, A., and Oh, E. (2015). "Different Modeling Assumptions in Numerical Analysis of a Nailed Wall". *Proceedings of The 25th International Offshore and Polar Engineering Conference* (ISBN 978-1-880653-89-0), 653-657.
4. Fang, H.-M., Hsiao, S.-S., Wang, H.-Y., Oh, E., & Liang, Z.-D. (2015). "Monitoring of Yan Liao Beach Nourishment in Northeast Coast of Taiwan". *Proceedings of The 25th International Offshore and Polar Engineering Conference* (ISBN 978-1-880653-89-0), 1377-1382.
5. Deb, R., Liew, A., and Oh, E. (2014). "A correlation based imputation method for incomplete traffic accident data". *Proceedings of 13th Pacific Rim International Conference on Artificial Intelligence* (ISBN 978-3-319-13559-5), Springer, 905-912.
6. Ren, L., Qu, X., and Oh, E. (2014). "Probabilistic Capacity Modeling for Single-Lane Roundabout". *Proceedings of the Second International Conference on Vulnerability and Risk Analysis and Management (ICVRAM)*, 2272-2281.
7. Wang, Y., Oh, E., and Chang, S. C. (2014). "Wave Induced Soil Responses of Seabed with Fine Grained Soil". *Proceedings of the Twenty-fourth (2014) International Ocean and Polar Engineering Conference* (ISBN: 978-1 880653 91-3), 1134-1139.
8. Al-Ani, H., Oh, E., Chai, G., and Liew, A. (2014). "Identifying Problematic Soil Layers in Surfers Paradise, Australia". *Proceedings of the Twenty-fourth (2014) International Ocean and Polar Engineering Conference* (ISBN: 978-1 880653 91-3), 748-753.
9. Al-Ani, H., Oh, E., Chai, G., and Al-Uzairy, B. (2014). "GIS- Interpolated Geotechnical Zonation Maps in Surfers Paradise, Australia". *Proceeding of The Sixth International Conference on Advanced Geographic Information Systems, Applications, and Services* (ISBN: 978-1-61208-326-1), 142-148.
10. Likitlersuang, S., Surarak, C., Kim, S. R., Oh, E., Balasubramaniam, A., and Wanatowski, D. (2013). "Duncan-Chang Parameters for Hyperbolic Stress Strain Behaviour of Soft Bangkok Clay". *Proceedings of the 18th International Conference on Soil Mechanics and Geotechnical Engineering, Paris*, 381-384.
11. Balakumar, V., Huang M., Oh, E., and Balasubramaniam, A. (2013). "Equivalent pier theory for piled raft design". *Proceedings of the 18th International Conference on Soil Mechanics and Geotechnical Engineering, Paris*, 655-658.
12. Balakumar, V., Oh, E., Bolton, M., and Balasubramaniam, A. (2013). "A Design Method For Piled Raft Foundations". *Proceedings of the 18th International Conference on Soil Mechanics and Geotechnical Engineering, Paris*, 2671-2674.
13. Qin, H. Y., Oh, E., Guo, W. D. and Dai, P.F. (2013). "Upper Bound Limit Analysis of Lateral Pile Capacity". *Proceeding of International Conference on State of the Art of Pile Foundation and Pile Case Histories* (ISBN:978-979-15020-1-6), Indonesia, C9-1-C9-5.
14. Al-Ani, H., Oh, E., and Chai, G. (2013). "Engineering properties of peat in estuarine environment", *Proceeding of The first International Conference on Foundation and Soft Ground Engineering Challenges in Mekong Delta* (ISBN: 978-604-82-0017-6), Vietnam, 181-192.
15. Balakumar, V., Oh, E., Bolton, M., and Balasubramaniam, A. (2013). "Limiting Capacity of Piled Raft", *Proceedings of 18th Southeast Asian Geotechnical Conference* (ISBN: 978-981-07-4949-1), Singapore, 885-890.
16. Chai, G., Mosavat, N, Oh, E, and Loo, Y. (2012). "Characterization of highly compressible marine clay for road foundation". *Proceedings of the 2nd International Conference on Transportation Geotechnics* (ISBN: 978-0-415-62135-9), 86-92.
17. Gratchev, I, Balasubramaniam, A, Oh, E and Bolton, M (2012). "Experimental Study on Effectiveness of Vertical Drains by Means of Rowe Cell Apparatus". *Proceeding of International Conference on Ground Improvement and Ground Control Transport Infrastructure Development* (ISBN: 978-981-07-1896-1), 111-116.
18. Gratchev, I. B., Surarak, C., Balasubramaniam, A., and Oh, E (2012). "Consolidation of soft soil by means of vertical drains: field and laboratory observations". *Proceeding of 11th Australia - New Zealand Conference on Geomechanics* (ISBN: 978-0-646-54301-7), 1189-1194.
19. Mosavat, N, Nalbantoglu, Z., and Oh, E (2011). "Pore Fluid Effects on Engineering Behavior of Clay Soils". *Proceedings of International Conference on Advances in Geotechnical Engineering* (ISBN 978-0-646-55142-5), 215-220.
20. Oh, E. Y. N., Lin, D. G., Bui, Q. M., Huang, M, Surarak, C., and Balasubramaniam, A. S. (2009). "Numerical analysis of piled raft foundation in sandy and clayey soils". *Proceedings of the 17th International Conference on Soil Mechanics and Geotechnical Engineering* (ISBN 978-1-60750-031-5-1159), Alexandria, Egypt, 1159-1162.
21. Oh, E. Y. N., Bui, Q. M., Surarak and Balasubramaniam A. S. (2009). "Investigation of the Behavior of Piled Raft Foundations in Sand by Numerical Modeling". in *Proceedings of the Nineteenth International Offshore and Polar Engineering Conference* (ISBN 978-1-880653-53-1), Osaka, Japan, 230-235.
22. Oh, E. Y. N., Bui, Q.M., Surarak, C., Adamec, R., and Balasubramaniam, A. S. (2008). "Parametric Study on Piled Raft Foundation in Sand Using Numerical Modelling". *Proceedings of the 20th Australasian Conference on The Mechanics of*

- Structures and Materials (ISBN 978 0415 491969), 261-267.
23. Oh, E. Y. N., Huang, M., Surarak, C., Adamec, R. and Balasubramaniam, A. S. (2008). "Finite element modelling for piled raft foundation in sand". Proceedings of the 11th East Asia-Pacific Conference on Structural Engineering and Construction (ISBN 978 986 80222 49), Taiwan, 728-729 (also in CD-ROM).
24. Oh, E. Y. N., Bolton, M., Balasubramaniam, A. S. and Buessucesco, B. (2008). "Undrained Behavior of Lime Treated Soft Clays". in Proceedings of the Eighteenth International Offshore and Polar Engineering Conference (ISBN 978 1 880653 70 8), Vancouver, BC, Canada, 607-612.
25. Surarak, C., Horney, C., Suwansawat, S., Phienwej, N., Oh, E., and Balasubramaniam, A.S. (2007). Combined Cut and Cover and New Austrian Tunnelling Methods for MRT Station in Bangkok Sub-soils. Proceedings of International Symposium on Tunnelling for Urban Development (IS-Pattaya 2007), Thailand, 128-139.
26. Balasubramaniam, A. S., Huang, M., Bolton, M., Oh, E. Y. N., Bergado, D. T., Phienwej, N., (2007). "Interpretation and Analysis of Test Embankment in Soft Clays with and without Ground Improvement". Proceedings of 16th Southeast Asian Geotechnical Conference, Kuala Lumpur, Malaysia, Vol. 1, 117-136.
27. Oh, E. Y. N., Balasubramaniam, A. S., Surarak, C. Bolton, M, Chai, G. W. K., Huang, M., and Braund, M., (2007). "Behaviour of A Highway Embankment on Stone Column Improved Estuarine Clay". Proceedings of 16th Southeast Asian Geotechnical Conference, Kuala Lumpur, Malaysia, Vol. 1, 567-572.
28. Oh, E. Y. N., Surarak, C., Balasubramaniam, A. S., and Huang, M. (2007). "Observed Field Behaviour of Soft Clay Due to Embankment Loading: Case Study in Queensland, Australia". Proceedings of 16th Southeast Asian Geotechnical Conference, Kuala Lumpur, Malaysia, Vol. 1, 515-522.
29. Oh, E. Y. N., Balasubramaniam, A. S., Surarak, C., Chai, G. W. K., and M. W. Bolton (2007). "Interpreting Field Behaviours of Embankment on Estuarine Clay". Proceedings of 17th (2007) International Offshore and Polar Engineering Conference (ISBN 978-1-880653-68-5), Lisbon, Vol. 5, 2411-2418.
30. Wijeyakulasuriya, V., Neary, A., Reynolds, P. W. and Oh, E. Y. N. (2007). "An investigation into moisture sensitivity of unbound roadbase aggregates". Proceedings of the 10th Australia New Zealand Conference on Geomechanics, Vol. 1, 586-591
31. Oh, E. Y. N., and Chai, G. W. K. (2006). "Characterization of Marine Clay for Road Embankment Design in Coastal Area". Proceedings of Sixteenth (2006) International Offshore and Polar Engineering Conference (ISBN 1-880653-66-4), San Francisco, USA, Vol. 2, 560-563.
32. Chai, G. W. K and Oh, E. Y. N. (2005). "Development of A Predictive Model For Cement Stabilised Road-base". Proceedings of The 5th International Conference on Road and Airfield Pavement Technology (ISBN 89-956678-0-X), Seoul, Korea, Vol. 1, 137-141.
33. Chai, G. W. K, Oh, E. Y. N., and Balasubramaniam, A. S. (2005). "In-Situ Stabilization of Road Base Using Cement - A Case Study in Malaysia". Proceedings of Fifteenth (2005) International Offshore and Polar Engineering Conference (ISBN 1-880653-64-8), Seoul, Korea, Vol. 2, 400-403.
34. Buessucesco, B., Balasubramaniam, A. S., Oh, E. Y. N., Bolton, M., Bergado, D. T., Lorenzo, G. A. (2005). "Strength degradation and critical state seeking behaviour of lime treated soft clay". Proceedings of International Conference on Deep Mixing - Best Practice and Recent Advances (ISBN 1402-2036), Vol. 1, 35-40.
35. Kwan, P. S., Bouazza, A., Fletcher, P., Ranjith, P. G., Oh, E. Y. N., Shuttlewood, K., and Balasubramaniam, A. S. (2005). "Behaviour of cement treated Melbourne and Southeast Queensland soft clays in deep stabilization works". Proceedings of International Conference on Deep Mixing - Best Practice and Recent Advances (ISBN 1402-2036), Vol. 1, 101-110.
36. Kim, S., R., Khan, M., R. A., Pornpong, A., Oh, E. Y. N., Balasubramaniam A. S. (2004). "Failure States For Normally and Overconsolidated Soft Bangkok Clay". Proceedings of 15th Southeast Asian Geotechnical Engineering Conference, Bangkok, Thailand, 1, 37-42.
37. Lee, C., J., Handali, S., Kim, S. R., Lee, Y. H., Oh, E. Y. N., Bolton, M., Balasubramaniam, A. S. (2004). "New Method to Predict Pore Pressures For Settlement Calculations and Stability Analysis". Proceedings of 15th Southeast Asian Geotechnical Engineering Conference, Bangkok, Thailand, 1, 803-808.
38. Oh, E. Y. N., Balasubramaniam, A. S., Bolton, M., Chai, G. W. K., Braund, M, Wijeyakulasuriya, V., Nithiraj, R., Bergado, D. T. (2004). "Soft Clay Properties and Their Influence in Preloading with PVD and Sur-charge". Proceedings of 15th Southeast Asian Geotechnical Engineering Conference, Bangkok, Thailand, 1, 79-84.
39. Oh, E. Y. N. (2004). "Selection of suitable ground improvement techniques for southeast Queensland soft clay". Proceedings of 6th Young Geotechnical Professionals Conference, Gold Coast, Australia, 1, 188-193.
40. Chai, G. W. K., Oh, Y.N., Smith, W., Asnan, A. (2004). "Sustainability in Road Construction through Cement Stabilization". Proceedings of International Conference of Advanced Technologies in Transportation Engineering (AATT), Beijing, China (Paper 304 in CDROM).
41. Balasubramaniam, A. S., Phienwej, N., C. H. Gan, and Oh, Y.N, (2004). "Piled foundation and basement excavation for Tall Buildings in Bangkok sub-soils". Proceedings of the 2004 Malaysian Geotechnical Conference, Kuala Lumpur, Malaysia, 1, 89-108.
42. Balasubramaniam, A. S., Bergado, D.T., Wijekulasuriya, V., and Oh, Y.N. (2004). "The influence of piezometric draw down on the test embankment with vertical drains and surcharge in the Bangkok sub-soils". Proceedings of the 9th Australia New Zealand Conference on Geomechanics, Auckland, New Zealand, 1, 446-452.
43. Balasubramaniam, A. S., Phienwej, N., Oh, Y.N, Sanmugarasa, K (2004). "Back analysis and interpretation of driven and bored pile tests data in Bangkok sub-soils". Proceedings of the 9th Australia New Zealand Conference on Geomechanics, Auckland, New Zealand, 1, 81-87
44. Chai, G., Faisal, H. A., Balasubramaniam, A. S., and Oh, Y.N., (2004). "Prediction of the undrained shear strength of pavement subgrade using falling weight deflectometer". Proceedings of the 9th Australia New Zealand Conference on Geomechanics, Auckland, New Zealand, 2, 846-852.
45. Chu, J., Kim, S. R., Oh, Y.N., Balasubramaniam, A. S., and Bergado, D. T. (2004). "An experimental and theoretical study on the dilatancy of sand and clays". Proceedings of the 9th Australia New Zealand Conference on Geomechanics, Auckland, New Zealand, 2, 654-660.
46. Phienwej, N., Photayanut, C., Sanmugarasa, K., Oh, Y.N. and Balasubramaniam, A. S, (2004). "Deformation of

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 53. Oh, Y.N., Jeng, D-S. and Chen, S. (2002). "Discontinuous deformation analysis for wave-induced pore pressure in the vicinity of a breakwater". Proceedings of The 17th Australasian Conference on The Mechanics of Structures And Material, Vol.1, 733-738.
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 58. Chien, L.K., Oh, Y.N. and Chang, C-H. (2000). "The effects of anisotropy consolidation on liquefaction strength and deformation for reclaimed soil". Proceedings of the 10th International Offshore and Polar Engineering Conference, Vol. 2, 594-599.
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 60. Chien, L.K., Oh, Y.N. and Chang, C-H. (2000). "Evaluation of liquefaction resistance and liquefaction induced settlement for reclaimed soil". Proceedings of the 12th World Conference on Earthquake Engineering Conference, Topic 5, Paper No.0386, 1-8.
 61. Chien, L.K., and Oh, Y.N. (1999). "Effects of pre-cyclic loading on strength resistance and liquefaction induce settlement of reclaimed soil". Proceedings of the 9th International Offshore and Polar Engineering Conference, Vol. 1, 575-582.
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RESEARCH GRANTS

1. Chief Investigator: "Influence of climate change on road infrastructure: impact of soil sensitivity and moistures on road embankment (2008)".

2. Chief Investigator: "Assessing and Modelling the Impacts of Climate Change on Geotechnical Infrastructure (2010)".
3. Chief Investigator: "South East Queensland Case studies examining climate change adaption measures for infrastructure (2010)". Queensland Government [AUD\$200,000]
4. Chief Investigator: "An advanced, macro-scale, hydro-thermo-mechanical testing chamber for sustainable deep geological applications (2012)". ARC-LIEF: LE120100117 [AUD\$940,000]
5. Chief Investigator: "X-ray Microscopy Facility for Imaging Geo-materials (2013)". ARC-LIEF: LE130100006 [AUD\$500,000]

EXTERNAL SERVICES – MANUSCRIPT REVIEWS

1. Reviewer for
 - *Acta Geotechnica*
 - *ASCE - International Journal of Geomechanics*
 - *ASCE - Journal of Geotechnical and Geo-environmental Engineering*
 - *ASTM Geotechnical Testing Journal*
 - *Australian Geomechanics Journal*
 - *Boundary-Layer Meteorology*
 - *Environmental Geotechnics*
 - *Geotechnical Engineering – Journal of the Southeast Asian Geotechnical Society*
 - *Geotechnique*
 - *Journal of Materials in Civil Engineering*
 - *Municipal Engineer*
2. Conference Manuscript Review:
 - 2015, 6th International Conference on Engineering, Project, and Production Management (EPPM2015)
 - 2014, Fourth International Conference on Geotechnique, Construction Materials and Environment, GEOMATE 2014
 - 2013, Third International Conference on Geotechnique, Construction Materials and Environment, GEOMATE 2013
 - 2013, 18th Southeast Asian Geotechnical Conference
 - 2012, 11th Australia-New Zealand Conference on Geomechanics
 - 2010, 20th International Conference for Offshore and Polar Engineering
 - 2009, International Symposium on Deep Mixing & Admixture Stabilization
 - 2008, 18th International Conference for Offshore and Polar Engineering
 - 2008, 20th Australasian Conference on The Mechanics of Structures and Materials

RESEARCH SUPERVISION

Higher Research Degree (PhD) Completion:

1. 2014: Dr Nasim Mosavat (Topic: Ground improvement technique using electro-chemical remediation method in fine and coarse-grained soils)
2. 2014: Dr Mark Bolton (Topic: Soil Improvement using Optimised Cementitious Material Designs)
3. 2015: Dr Haider A. Al-Ani (Topic: Digital Geotechnical map and classification of soil engineering properties by using GIS)
4. 2015: Dr Atefeh Asoudeh (Topic: Identifying Residual Soil Parameters for Numerical Analysis of Soil Nail Wall)
5. 2015: Dr Yuchen Wang (Topic: Stress Analysis of Cohesive Seabed Using Finite Difference Modelling)
6. 2016: Dr Choo Yong (Topic: Deformation analysis of deep excavation in clay)

Higher Research Degree (PhD/MPhil) Supervision:

1. 2013: Mr Liang Ren (Topic: Roundabout Capacity Modelling, Delay Estimation and Safety Analysis)
2. 2014: Mr Darren Newell (Topic: Numerical Model for Fibre Composite Soil Nails)
3. 2015: Mr Jay Noonan (Topic: Assessing extreme climate effects on road infrastructures)
4. 2015: Mr Jialin Zhou (Topic: In-situ Tests to Assess the Deformation of Brisbane Soft Clays)
5. 2015: Mr Zeshen Shao (Topic: Behaviours of pavement under extreme climate induced moisture variation)
6. 2015: Ms Somayeh Saeidi (Topic: Experimental Investigations on Shrink-Swell Behaviour of Expansive Soils)
7. 2015: Mr Victor Seah (Topic: Comparative Study of Students Perceptions of Project Learning in Engineering Education)
8. 2016: Miss Rachael Gorwyn (Topic: Assessing the impacts of extreme climate on road infrastructure)

Undergraduate and Post-graduate Completions

1. 2007 to 2015: Supervised 61 Undergraduate Honours Theses.
2. 2007 to 2015: Supervised 11 Postgraduate Master Theses.

TEACHING:

2007 to 2015:

- 1003ENG Statics and Materials
- 1501ENG Engineering Mechanics
- 2101ENG Mechanics of Materials 1
- 2105ENG Mechanics of Materials 2
- 3002ENG Overseas Industry Experience (Convenor)
- 3102ENG Geotechnical Engineering
- 3104ENG Pavement Design
- 3107ENG Construction Materials
- 3115ENG Geotechnical Engineering Practice
- 4002ENG Industry Experience (Convenor)

- 7303ENG Advanced Foundation Engineering
- 7306ENG Transportation Infrastructure
- 7308ENG Advanced Geotechnical Engineering

Semester 2 2016:

- 3115ENG – Geotechnical Engineering Practice
- 7308ENG – Advanced Geotechnical Engineering 7

ACADEMIC SERVICES

1. Civil Engineering Program Director (2010 - to date)
2. Committee Member, Griffith School of Engineering Committee (2007 - 2012)
3. Committee Member, Griffith Board of Graduate Research School (2009 - 2010)
4. Griffith Sciences Internationalisation
5. Course convenor for 1003ENG, 1101ENG, 1501ENG, 2101ENG, 2105ENG 3102ENG, 3104ENG, 3107ENG, 3115ENG, 3002ENG, 4002ENG, 4101ENG, 7303ENG, 7306ENG, 7308ENG.
6. Coordinator for overseas exchange students
7. Chairperson of Examination for PhD Candidates
8. External PhD thesis examiner

PROFESSIONAL AND COMMUNITY SERVICES

1. Chairman (2011, 2012, 2013) and Committee Member (2004 to 2015), Engineers Australia Gold Coast Regional Group
2. Chairman (2012) and Committee Member (2006-2012), Australian Geomechanics Society Queensland Chapter