PUBLICATIONS

- 1. "Settlement and Liquefaction of Sands Under Multi-Directional Loading," Ph.D. Thesis, University of California, Berkeley, 1973.
- 2. "Settlement of Sands Under Multi-Directional Shaking," (Co-author with H. Bolton Seed and Clarence K. Chan), Journal of the Geotechnical Engineering Division, ASCE, Volume 101, No. GT4, April 1975.
- 3. "The Behavior of Sands Under Cyclic Loading," Proceedings of 2nd Australia-New Zealand Conference on Geomechanics, Brisbane, July 1975.
- 4. "Influence of Soil Behavior on Platform Design," Ocean Engineering, Volume 10, No. 2, September 1976.
- 5. "In-situ Pore Pressure Measurements at Rio Blanco," (Co-author with John R. Banister, D. Maxwell Ellet, and Leon Winters), Journal of the Geotechnical Engineering Division, ASCE, Volume 102, No. GT10, October 1976.
- 6. "Simplified Method for Evaluating Soil-Pile-Structure Interaction Effects," (Coauthor with Ernst Berger and Stephen A. Mahin), Paper No. 2954, Offshore Technology Conference, Houston, May 1977.
- 7. "Effect of Multi-directional Shaking on Pore Pressure Development in Sands," (Coauthor with H. Bolton Seed and Geoffrey R. Martin), Journal of the Geotechnical Engineering Division, ASCE, volume 104, No. GT1, January 1978.
- 8. "Evaluation of Liquefaction Potential at Los Angeles and Long Beach Harbors," (Co-author with L. A. Knuppel and Kenneth L. Lee), Journal of the Geotechnical Engineering Division, ASCE, Volume 104, No. GT111, November 1978.
- 9. "Some Effects of Test Configuration on Measured Soil Properties Under Cyclic Ioading," Geotechnical Testing Journal, Volume 1, No. 3, September 1978.
- 10. "Non-linear Soil Models for Irregular Cyclic Loadings," Journal of the Geotechnical Engineering Division, ASCE, Volume 105, No. GT6, June 1979.
- 11. "Specification of Input Motions for Seismic Analyses of Soil-Structure Systems within a Nonlinear Analysis Framework," (Co-author with Y. Moriwaki, M. H. Bastick and T. Udaka), Report No. NP-2097, Electric Power Research Institute, Palo Alto, California, October 1981.
- 12. "A Preliminary Study of Rate of Loading Effects on Axial Pile Capacities," Report to Union Oil Company of California, December 1981 (proprietary).
- 13. "A New Solution for the Resistance of Piles to Lateral Loading," (Co-author with Mohsen Beikae). ASTM Special Technical Publication 835, 1983.

- 14. "Optimum Design of an Embankment to Retain Gold Tailings," (Co-author with J. L. Velarde and M. Beikae). Proceedings, 7th Pan American Conference on Soil Mechanics and Foundation Engineering, Vancouver, B.C., June 1983.
- 15. "Earthquake Ground Motions and Site Stability", (Co-author with P. Arnold) in Design of Fixed Offshore Platforms, ed. B. McClelland, Van Nostrand Reinhold Company, New York, (1986).
- 16. "The Use of Linear and Simplified Nonlinear Models in Finite Element Analyses", in Numerical Models in Geomechanics, eds. R. Dungar and J.A. Studer, A.A. Balkema, Rotterdam, (1987).
- 17. "On the Applicability of One-Dimensional Nonlinear Site Response Analyses", Invited paper, Symposium on Earthquake Ground Motion in the Eastern United States, Electric Power Research Institute, Palo Alto, April 1987.
- 18. "Consolidation of Phosphate Slimes", (Co-author with R.L.Volpe and M.Beikae) Proceedings, Symposium on the Consolidation and Disposal of Phosphatic and Other Waste Clays", Florida Institute of Phosphate Research, May 1987.
- 19. Discussion on "Liquefaction Evaluation Procedure", by Poulos, S.J., Castro, G. and France, J.W., Journal of Geotechnical Engineering, ASCE, Vol.114, No.2, Feb. 1988.
- 20. "Liquefaction Potential of Hydraulic Fills An Update", Proceedings of Workshop on Seismic Design Issues, Port of Los Angeles, 1992.
- "Inclusion of Low Strain Damping in Nonlinear Models of Soil Behavior", presented at U.S.- Japan Workshop on Geotechnical Earthquake Engineering, Napa, 1993.
- 22. "Practical Aspects of the Evaluation of Liquefaction Potential", Earthquake Geotechnical Engineering, Ishihara (ed.), Balkema, 1995, pp.923-926.
- 23. "ROSRINE: Project Overview and Initial Findings", (with C.R.Roblee, R.Nigbor et al.) Proc. 4th International Conference. On Recent Advances in Geotechnical Earthquake Engineering & Soil Dynamics, San Diego, CA, March 26-31, 2001
- 24. "Sidere: Numerical Prediction of Large Strain Consolidation", (with G. Bartholomeeusen et al.), Geotechnique, Vol. 52, No.9, 2002.
- 25. Discussion of "Liquefaction Resistance of Soils", by T.L.Youd et al., Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol.129, No.3, March 2003.
- 26. "Seismic Microzonation Study at the Port of Oakland", (with S. Vahdani, J. Egan et al.), ASCE Ports 2004 Conference, Houston, Texas, May 2004.
- 27. "Practical implementation of analysis routines for nonlinear seismic ground

- response analysis," (with Annie Kwok, Jon Stewart et al.), Proc. 8th U.S. National Conference on Earthquake Engineering, April 18-22, 2006, San Francisco, CA, Paper 546.
- 28. "Use of exact solutions of wave propagation problems to guide implementation of nonlinear seismic ground response analysis procedures," (with Annie Kwok, Jon Stewart et al.), J. Geotech. & Geoenv. Engrg., ASCE, 133 (11), 1385-1398.
- 29. "Evaluation of Uncertainties in Dynamic Properties", (with Joseph Laird and John North), 4th International Conference on Earthquake Geotechnical Engineering, Thessaloniki, Greece, June 2007, Paper No. 1359.
- 30. "Evaluation of the Seismic Performance of Embankment Dams and Levees", Invited Presentation, Performance-based Design in Earthquake Geotechnical Engineering, Tokyo, 2009.
- 31. Discussion of "Problems with Liquefaction Criteria and Their Application in Australia" by R. Semple, Australian Geomechanics, Vol. 49 No. 1, March 2013
- Characterization of an alluvial silt and clay deposit for monotonic, cyclic, and post-cyclic behavior" (with Karina R. Dahl, Jason T. DeJong, Ross W. Boulanger, and Douglas Wahl), Can. Geotech. J. **51**: 432–440 (2014) http://dx.doi.org/10.1139/cgj-2013-0057