

## Reference

- Abdel-Haq, A. and Hryciw, R. D. (1998). "Ground Settlement in Simi Valley Following the Northridge Earthquake." *Journal of Geotechnical Engineering*, 124(1), 80-89.
- Abrahamson, N.A. & Silva, W.J. (1997) "Equations for Estimating Horizontal Response Spectra and Peak Acceleration from Western North American Earthquakes: A Summary of Recent Work." *Seismological Research Letters*, Vol. 68, No. 1.
- Amini, F. and Qi, G. Z. (2000). "Liquefaction Testing of Stratified Silty Sands." *Journal of Geotechnical and Geoenvironmental Engineering*, 126(3), 208-217.
- Anderson, J. G. and Simons, R. S. (1982). "The Mexicali Valley Earthquake of 9 June 1980." *Earthquake Engineering Research Institute Newsletter*, 16(3), 73-105.
- Andrews, D.C.A. and Martin, G.R. (2000) "Criteria for Liquefaction of Silty Soils." *Proc. 12<sup>th</sup> World Conf. Earthquake Engineering*, Auckland, NZ, Paper 0312.
- Andrianopoulos, K. I., Bouckovalas, G. D., and Papadimitriou, A. G. (2001). "A Critical State Evaluation of Fines Effect on Liquefaction Potential." *Proc. 4th Int. Conf. on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics* Paper No. 4.06.
- Andrus, R. D. and Youd, T. L. (1987). "Subsurface Investigation of a Liquefaction-Induced Lateral Spread Thousand Springs Valley, Idaho." *Misc. paper GL-87-8*, U.S. Army Corps of Engineers.
- Andrus, R. D., Stokoe, K. H., II, and Roesset, J. M. (1991). "Liquefaction of Gravelly Soil at Pence Ranch During the 1983 Borah Peak, Idaho Earthquake." *Soil Dynamics and Earthquake Engineering V Computational Mechanics Publications and Elsevier Applied Science*, London.
- Ang, A.H-S. & Tang, W. H. (1975) *Probability Concepts in Engineering Planning and Design*, Vol. 1. John Wiley and Sons, Inc.
- Armijo-Palacio, G. (1987). "Potencialidad a la Licuacion de un Deposito de Arena Limosa Mediante Cono Electico." *Master's Thesis*, Universidad Nacional Autonoma Mexico.
- Arulanandan, K., Douglas, B. J., Qu, Y. Z., Junfei, X., Chengchun, W., and Qizhi, H. (1982). "Evaluation of Earthquake Induced Liquefaction in Tientsin During the Tangshan Earthquake P.R.C." *Proc. of U.S.-P.R.C. Bilateral Workshop on Earthquake Engineering (E-3-1)-(E-3-42)*.

- Arulanandan, K., Yogachandran, C., Meegoda, N. J., Ying, L., and Zhauji, S. (1986). "Comparison of the SPT, CPT, SV and Electrical Methods of Evaluating Earthquake Induced Liquefaction Susceptibility in Ying Kou City During the Haicheng Earthquake." *Use of In Situ Tests in Geotechnical Engineering*, Geotechnical Special Publication No. 6, 389-415.
- Baligh, M. M. (1976). "Cavity Expansion in Sands with Curved Envelopes." *Journal of Geotechnical Engineering*, 102(GT11), 1131-1145.
- Bennett, M. J., Youd, T. L., Harp, E. L., and Wieczorek, G. F. (1981). "Subsurface Investigation of Liquefaction, Imperial Valley Earthquake, California, October 15, 1979." Open-File Report 81-502, Department of the Interior, United States Geological Survey, Menlo Park, California.
- Bennett, M. J., McLaughlin, P. V., Sarmiento, J. S., and Youd, T. L. (1984). "Geotechnical Investigation of Liquefaction Sites, Imperial Valley, California." Open File Report 84-252, Department of the Interior, U.S. Geological Survey, Menlo Park, California.
- Bennett, M. J. (1989). "Liquefaction Analysis of the 1971 Ground Failure at the San Fernando Valley Juvenile Hall, California." *Bulletin of the Association of Engineering Geologists*, XXVI(1), 209-223.
- Bennett, M. J. and Tinsley, J. C. I. (1995). "Geotechnical Data from Surface and Subsurface Samples Outside of and Within Liquefaction-Related Ground Failures Caused by the October 17, 1989, Loma Prieta Earthquake, Santa Cruz and Monterey Counties, California." Open-File Report 95-663, U. S. Department of the Interior, U. S. Geological Survey, Menlo Park, California.
- Bennett, M. J., Ponti, D. J., Tinsley, J. C. I., Holzer, T. L., and Conaway, C. H. (1998). "Subsurface Geotechnical Investigations Near Sites of Ground Deformation Caused by the January 17, 1994, Northridge, California, Earthquake." Open File Report 98-373, U.S. Department of the Interior, U.S. Geological Survey, Menlo Park, California.
- Berrill, J. B., Ooi, E. T. C., and Foray, P. Y. (1987). "Seismic Liquefaction in the Inangahua, New Zealand Earthquake." *Groundwater Effects in Geotechnical Engineering*, IX ECSMFE 587-590.
- Berrill, J. B., Mulqueen, P. C., and Ooi, E. T. C. (1994). "Liquefaction at Kaiapoi in the 1901 Cheviot, New Zealand, Earthquake." *Bulletin of the New Zealand National Society for Earthquake Engineering*, 27(3), 178-189.
- Bienvenu, V. (1988). "Studies of Liquefaction in the 1929 Murchison and 1968 Inangahua, New Zealand Earthquakes." Masters Thesis, University of Canterbury, Christchurch, New Zealand.

- Bierschwale, J. G. and Stokoe, K. H., II (1984). "Analytical Evaluation of Liquefaction Potential of Sands Subjected to the 1981 Westmorland Earthquake." Geotechnical Engineering Report GR 84-15, University of Texas, Austin.
- Bishop, R. F., Hill, R., and Mott, N. F. (1945). "The Theory of Indentation and Hardness Tests." *Proceedings Physics Society*, 57, 147-159.
- Bolton, M. D. (1986). "The Strength and Dilatancy of Sands." *Geotechnique*, 36(1), 64-78.
- Boulanger, R. W., Idriss, I. M., and Mejia, L. H. (1995). "Investigation and Evaluation of Liquefaction Related Ground Displacements at Moss Landing During the 1989 Loma Prieta Earthquake." Report No. UCD/CGM-95/02, Center for Geotechnical Modeling, Department of Civil & Environmental Engineering, University of California Davis.
- Boulanger, R. W., Mejia, L. H., and Idriss, I. M. (1997). "Liquefaction at Moss Landing During Loma Prieta Earthquake." *Journal of Geotechnical and Geoenvironmental Engineering*, 123(5), 453-467.
- Boulanger, R. W. (2003). "High Overburden Stress Effects in Liquefaction Analyses." *Journal of Geotechnical and Geoenvironmental Engineering*, accepted in-press.
- Box, G.E.P. & Tao, G.C. (1992) *Bayesian Inference in Statistical Analysis*. John Wiley and Sons, Inc.
- Campanella, R. G. and Robertson, P. K. (1988). "Current Status of the Piezocone Test." *Proceedings of Penetration Testing 1988* De Ruiter, J. A. A. Balkema, Rotterdam, 93-116.
- Campanella, R. G., Wickremesinghe, D. S., and Echezuria, H. J. (1989). "Cone Penetration Test for Site Characterization." *Proc. 12th International Conference on Soil Mechanics and Foundation Engineering Rio de Janeiro, Brazil*.
- Cao, L. F., Teh, C. I., and Chang, M. F. (2001). "Undrained Cavity Expansion in Modified Cam Clay I: Theoretical Analysis." *Geotechnique*, 51(4), 323-334.
- Carter, J. P., Booker, J. R., and Yeung, S. K. (1986). "Cavity Expansion in Cohesive Frictional Soils." *Geotechnique*, 36(3), 349-353.
- Carter, R. R. (1988). "Cone Penetration Testing for Evaluating the Liquefaction Potential of Sands." REC-ERC-87-9, U.S. Dept. of the Interior, Bureau of Reclamation, Denver Office.
- Cetin, K. O. (2000). "Reliability-Based Assessment of Seismic Soil Liquefaction Initiation Hazard." Ph. D. Dissertation, University of California, Berkeley.

- Cetin, K. O., Seed, R. B., and Der Kiureghian, A. (2000). "Probabilistic Assessment of Liquefaction Initiation Hazard." Twelfth World Conference on Earthquake Engineering Paper No. 898, Auckland, New Zealand.
- Cetin, K.O., Seed, R.B., Moss, R.E.S., Der Kiureghian, A., Tokimatsu, K. Harder, L.F. Jr., and Kayen, R.E. (2000). "Field Case Histories for SPT-Based In Situ Liquefaction Potential Evaluation." Geotechnical Engineering Research Report No.UCB/GT-2000/09.
- Cetin, K.O., Der Kiureghian, A., & Seed, R.B. (2002) "Probabilistic Models for the Initiation of Seismic Soil Liquefaction." *Structural Safety*, 24, pp. 67-82.
- Cetin, K. O., Seed, R. B., Der Kiureghian, A., Tokimatsu, K., Harder, L. F. Jr., Kayen, R. E., and Moss, R. E. S. (2003). "SPT-Based Probabilistic and Deterministic Assessment of Seismic Soil Liquefaction Potential." *Journal of Geotechnical and Geoenvironmental Engineering*, accepted in-press.
- Chameau, J. L., Frost, J. D., Botham, L., Reyna, F. A. M., Sullivan, T., Clough, G. W., Mullen, G., and Martin, J. R. I. (1990). "Liquefaction of Fill Soils in San Francisco - 1989 Earthquake. Preliminary Report. Comparison Between the 1979 and 1990 Cone Data Along the Embarcadero." Geotechnical Report 90/8, Purdue University.
- Chameau, J. L., Clough, G. W., Reyna, F. A. M., and Frost, J. D. (1991). "Liquefaction Response of San Francisco Bayshore Fills." *Bulletin of the Seismological Society of America*, 81(5), 1998-2018.
- Chang, M. F., Teh, C. I., and Cao, L. F. (2001). "Undrained Cavity Expansion in Modified Cam Clay II: Application to the Interpretation of the Piezocone Test." *Geotechnique*, 51(4), 335-350.
- Cheung, K. C., Smits, A. P., Sutherland, A. J., Logan, T. C., and Berrill, J. R. (1995). "Evaluation of Liquefaction Assessment Models in New Zealand." *Pacific Conference on Earthquake Engineering University of Melbourne, Australia*, 47-56.
- Chou, I. H. and Ehasz, J. L. (1980). "Probability of Liquefaction Due to Earthquake." *Proceedings of the Seventh World Conference on Earthquake Engineering Istanbul, Turkey*, 97-104.
- Christensen, S. A. (1995). "Liquefaction of Cohesionless Soils in the March 2, 1987 Edgecumbe Earthquake, Bay of Plenty, New Zealand, and Other Earthquakes." Masters of Engineering Thesis, Department of Civil Engineering, University of Canterbury, Christchurch, New Zealand.
- Christian, J. T. and Swiger, W. F. (1975). "Statistics of Liquefaction and SPT Results." *Journal of Geotechnical Engineering*, 101(GT11), 1135-1150.

- Clough, G. W. and Martin, J. R. I. (1990). "Geotechnical Setting for Liquefaction Events in the Charleston, South Carolina Vicinity." Proc. H. Bolton Seed Memorial Symposium Duncan, M. J. 313-334.
- Collins, I. F., Pender, M. J., and Wang, Y. (1992). "Cavity Expansion in Sands Under Drained Loading Conditions." *International Journal for Numerical and Analytical Methods in Geomechanics*, 16, 3-23.
- Collins, I. F., Pender, M. J., and Wang, Y. (1994). "Critical State Models and the Interpretation of Penetrometer Tests." *Computer Methods and Advances in Geomechanics Siriwardane and Zaman Balkema*, 1725-1730.
- Collins, I. F. and Yu, H. S. (1996). "Undrained Cavity Expansion in Critical State Soils." *International Journal for Numerical and Analytical Methods in Geomechanics*, 20, 489-516.
- Cornell, C. A. (1968). "Engineering Seismic Risk Analysis." *Bulletin of the Seismological Society of America*, 58(5), 1583-1606.
- De Alba, P., Youd, T. L., Shakal, A. F., Benoit, J., Pass, D. G., and Carter, J. J. (1998). "Deep Instrumentation Array at the Treasure Island Naval Station." U.S.G.S Professional Paper 1551.
- Der Kiureghian, A. and Ang, A. H.-S. (1977). "Fault-Rupture Model for Seismic Risk Analysis." *Bulletin of the Seismological Society of America*, 67(4), 1173-1194.
- Der Kiureghian, A. and Liu, P. L. (1986). "Structural Reliability Under Incomplete Probability Information." *Journal of Engineering Mechanics*, 112(1), 85-104.
- Der Kiureghian, A. (1999) "A Bayesian Framework for Fragility Assessment." Proc. ICASP8 Conference, Sidney, Australia.
- Diaz-Rodriguez, J. A. (1983). "Investigation del Comportamiento Seismico de Suelos Granulares Finos." Doctoral Thesis, Universidad Nacional Autonoma Mexico.
- Diaz-Rodriguez, J. A. (1984). "Liquefaction in the Mexicali Valley During the Earthquake of June 9, 1980." Eighth World Conference on Earthquake Engineering EERI, San Francisco, 223-230.
- Diaz-Rodriguez, J. A. and Armijo-Palacio, G. (1991). "Liquefaction Potential of Fine Cohesionless Soils Using the CPT." *Soils and Foundations, Journal of the Japanese Society of Soil Mechanics and Foundation Engineering*, 31(3), 111-119.
- Dickenson, S. E., Clough, G. W., and Martin, J. R. I. (1988). "Evaluation of the Engineering Properties of Sand Deposits Associated with Liquefaction Sites in the Charleston, S.C. Area." Research Contract No. 14-08-001-G-1348, U.S. Geological Survey, Virginia Polytechnic Institute and State University.

- Donovan, N. C. (1971). "A Stochastic Approach to the Seismic Liquefaction Problem." Proc., Conference on Statistics and Probability in Soil and Structural Engineering Hong Kong, 513-535.
- Douglas, B. J. and Olsen, R. S. (1981). "Soil Classification Using Electric Cone Penetrometer." Cone Penetration Testing and Experience American Society of Civil Engineers, New York, 209-227.
- Dowrick, D. J. and Sritharan, S. (1993). "Peak Ground Accelerations Recorded in the 1968 Inangahua Earthquake and some Attenuation Implications." Bulletin of the New Zealand National Society for Earthquake Engineering, 26(3), 349-355.
- Duncan, J. M. (2000). "Factor of Safety and Reliability in Geotechnical Engineering." Journal of Geotechnical and Geoenvironmental Engineering, 126(4).
- Earth Technology Corporation (1985). "In Situ Testing II, Peoples Republic of China." 84-141-13, NSF.
- "Earthquake Engineering and Hazard Reduction in China." (1980) CSCPRC Report No. 8, National Academy of Sciences, Washington D. C.
- Elsworth, D. (1993). "Analysis of Piezocone Dissipation Data Using Dislocation Methods." Journal of Geotechnical Engineering, 119(10), 1601-1623.
- Erken, A. and Ansal, A. M. (1998). "Liquefaction Potential of Sandy Soils During 1992 Erzincan Earthquake." 11th European Conference on Earthquake Engineering Balkema, Rotterdam.
- Erken, A., Ozay, R., Ansal, A. M., Yildirim, H., Igarashi, S., and Ulker, R. Behavior of Soft Soil During 1995 Dinar Earthquake. P.Seco e Pinto. [1], 217-223. 1999. Rotterdam, Balkema. Earthquake Geotechnical Engineering.
- Erten, D. and Maher, M. H. (1995). "Cyclic Undrained Behavior of Silty Sand." Soil Dynamics and Earthquake Engineering, 14, 115-123.
- Fardis, M. N. and Veneziano, D. (1982). "Probabilistic Analysis of Deposit Liquefaction." Journal of Geotechnical Engineering, 108(GT3), 395-417.
- Farrar, J. A. (1990). "Study of In Situ Testing for Evaluation of Liquefaction Resistance." R-90-06, U.S. Department of the Interior, Bureau of Reclamation, Research and Laboratory Services Division, Geotechnical Services Branch, Denver Office.
- Fei, H.-C. (1991). "The Characteristics of Liquefaction of Silt Soil." Computational Mechanics Publications and Elsevier Applied Science, London, 293-302.
- Fei, H. C. (1991). "The Characteristics of Liquefaction of Silt Soil." Soil Dynamics and Earthquake Engineering V Computational Mechanics Publications and Elsevier Applied Science, London, 293-302.

- "Field Correlation of Soil Liquefaction Based on Cone Penetration Test (Japanese)."  
(1995) Vol. 43, Kajima Corporation.
- Fenton, G. A. (1999). "Random Field Modeling of CPT Data." *Journal of Geotechnical and Geoenvironmental Engineering*, 125(6), 486-498.
- Franklin, A. G. (1986). "Use of the Piezocone for Evaluating Soil Liquefaction Potential." *Proceedings of the 8th European Conference on Earthquake Engineering Lisbon*, 33-40.
- Fukushima, Y. and Tanaka, T. (1990). "A New Attenuation Relation for Peak Horizontal Acceleration of Strong Earthquake Ground Motion in Japan." *Bulletin of the Seismological Society of America*, 80, 757-783.
- Gamerman, D. (1997). *Markov Chain Monte Carlo*, Chapman & Hall.
- Geyskens, P., Der Kiureghian, A., and Monteiro, P. (1993). "BUMP Bayesian Updating of Model Parameters." UCB/SEMM-93/06, Dept. of Civil Engineering, University of California, Berkeley.
- Glaser, S. D. and Chung, R. M. (1995). "Estimation of Liquefaction Potential by In Situ Methods." *Earthquake Spectra*, 11(3), 431-455.
- Goh, A. T. C. (1994). "Seismic Liquefaction Potential Assessed by Neural Networks." *Journal of Geotechnical Engineering*, 120(9), 1467-1480.
- Goh, A. T. C. (1996). "Neural-Network Modeling of CPT Seismic Liquefaction Data." *Journal of Geotechnical Engineering*, 122(1), 70-73.
- Guo, T. and Prakash, S. (1999). "Liquefaction of Silts and Silt-Clay Mixtures." *Journal of Geotechnical and Geoenvironmental Engineering*, 125(9), 706-710.
- Haldar, A. and Tang, W. H. (1979). "Probabilistic Evaluation of Liquefaction Potential." *Journal of Geotechnical Engineering*, 105(GT2), 145-163.
- Hoeg, K., Dyvik, R., and Sandbaekken, G. (2000). "Strength of Undisturbed Versus Reconstituted Silt and Silty Sand Specimens." *Journal of Geotechnical and Geoenvironmental Engineering*, 126(7), 606-617.
- Holzer, T. L., Tinsley, J. C. I., Bennett, M. J., and Mueller, C. S. (1994). "Observed and Predicted Ground Deformation-Miller Farm Lateral Spread, Watsonville, California." *Proc. Fifth U.S.-Japan Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures for Soil Liquefaction*, Technical Report NCEER-94-0026 79-99.
- Holzer, T. L., Bennett, M. J., Ponti, D. J., and Tinsley, J. C. I. (1999). "Liquefaction and Soil Failure During 1994 Northridge Earthquake." *Journal of Geotechnical Engineering*, 125(6), 438-452.

- Hryciw, R. D. (1991). "Post Loma Prieta Earthquake CPT, DMT, and Shear Wave Velocity Investigations of Liquefaction Sites in Santa Cruz and on Treasure Island." U.S.G.S. Award No. 14-08-0001-G1865, University of Michigan.
- Hryciw, R. D., Shewbridge, S. E., Kropp, A., and Homolka, M. (1998). "Post Earthquake Investigations at Liquefaction Sites in Santa Cruz and on Treasure Island." Professional Paper 1551-B, U.S. Department of Interior, U.S. Geological Survey.
- Huang, A. and Ma, M. Y. (1994). "An Analytical Study of Cone Penetration Tests in Granular Material." *Canadian Geotechnical Journal*, 31(1), 91-103.
- Huntsman, S. R. (1985). "Determination of In-Situ Lateral Pressure of Cohesionless Soils by Static Cone Penetrometer." PhD Dissertation, University of California, Berkeley.
- Hwang, J. H. (1995). "Evaluation of Simplified Methods for Liquefaction Analysis." *Geotechnical Engineering Bulletin*, 4(4), 251-260.
- Ishihara, K. and Koga, Y. (1981). "Case Studies of Liquefaction in the 1964 Niigata Earthquake." *Soils and Foundations*, Japanese Society of Soil Mechanics and Foundation Engineering, Vol. 21, No. 3, Sept.
- Ishihara, K. and Perlea, V. (1984). "Liquefaction-Associated Ground Damage During the Vrancea Earthquake of March 4, 1977." *Soils and Foundations*, Journal of the Japanese Society of Soil Mechanics and Foundation Engineering, 24(1), 90-112.
- Ishihara, K. (1985). "Stability of Natural Deposits During Earthquakes." 11<sup>th</sup> International Conf. of Soil Mechanics and Foundation Engineering.
- Ishihara, K., Acacio, A. A., and Towhata, I. (1993). "Liquefaction-Induced Ground Damage in Dagupan in the July 16, 1990, Luzon Earthquake." *Soils and Foundations*, Journal of the Japanese Society of Soil Mechanics and Foundation Engineering, 33(1), 133-154.
- Ishihara, K. (1993). "Liquefaction and Flow Failure During Earthquakes." *Geotechnique*, 43(3), 351-415.
- Jackson, S. M. and Boatwright, J. (1985). "The Borah Peak, Idaho Earthquake of October 28, 1983 - Strong Ground Motion." *Earthquake Spectra*, 2(1), 51-69.
- Jamiolkowski, M., Baldi, G., Bellotti, R., Ghionna, V., and Pasqualini, E. (1985). "Penetration Resistance and Liquefaction of Sands." *Proceedings of the Eleventh International Conference on Soil Mechanics and Foundation Engineering San Francisco*, 1891-1896.
- Jefferies, M. G. and Davies, M. P. (1993). "Use of CPTu to Estimate Equivalent SPT  $N_{60}$ ." *Geotechnical Testing Journal*, 16(4), 458-468.

- Jones, G. A. and Rust, E. (1982). "Piezometer Penetration Testing." Proceedings of the Second European Symposium on Penetration Testing, ESOPT II Verruijt, A., Beringen, F. L., and De Leeuw, E. H. A.A.Balkema, Amsterdam, 607-613.
- Juang, C. H., Chen, C. J., and Tien, Y. M. (1999). "Appraising Cone Penetration Test Based Liquefaction Resistance Evaluation Methods: Artificial Neural Network Approach." Canadian Geotechnical Journal, 36, 443-454.
- Juang, C. H., Chen, C. J., Tang, W. H., and Rosowsky, D. V. (2000). "CPT-Based Liquefaction Analysis, Part 1: Determination of Limit State Function." Geotechnique, 50(5), 583-592.
- Juang, C. H., Chen, C. J., Rosowsky, D. V., and Tang, W. H. (2000). "CPT-Based Liquefaction Analysis, Part 2: Reliability for Design." Geotechnique, 50(5), 593-599.
- Juang, C. H., Jiang, T., and Andrus, R. D. (2002). "Assessing the Probability-based Methods for Liquefaction Potential Evaluation." Journal of Geotechnical and Geoenvironmental Engineering, 128(7), 580-589.
- Juang, C. H., Yuan, H., Lee, D. H., and Lin, P. S. (2003). "Simplified Cone Penetration Test-based Method for Evaluating Liquefaction Resistance of Soils." Journal of Geotechnical and Geoenvironmental Engineering, 129(1), 66-80.
- Kasim, A. G., Chu, M. Y., and Jensen, C. N. (1986). "Field Correlation of Cone and Standard Penetration Tests." Journal of Geotechnical Engineering, 112(3), 368-372.
- Kayen, R. E., Mitchell, J. K., Seed, R. B., Lodge, A., Nishio, S., and Coutinho, R. (1992). "Evaluation of SPT-, CPT-, and Shear Wave-Based Methods for Liquefaction Potential Assessment using Loma Prieta Data." Proc. 4th U.S.-Japan Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures Against Soil Liquefaction, Honolulu, HI NCEER.
- Kayen, R. E. and Mitchell, J. K. (1997). "Arias Intensity Assessment of Liquefaction Test Sites on the East Side of San Francisco Bay Affected by the Loma Prieta, California, Earthquake of 17 October 1989." Natural Hazards, 16, 243-265.
- Kayen, R. E., Mitchell, J. K., Seed, R. B., and Nishio, S. (1998). "Soil Liquefaction in the East Bay During the Earthquake." Professional Paper 1551-B, U.S. Department of Interior, U.S. Geological Survey.
- Keaveny, J. M. (1985). "In-Situ Determination of Drained and Undrained Soil Strength Using the Cone Penetration Test." Ph.D. Dissertation, University of California Berkeley.
- Keaveny, J. M. and Mitchell, J. K. (1988). "Strength of Fine-Grained Soils Using the Piezocone." Norwegian Geotechnical Institute, Publication No.171, 1-9.

- Kokusho, T. (1999). "Water Film in Liquefied Sand and its Effect on Lateral Spread." *Journal of Geotechnical and Geoenvironmental Engineering*, 125(10), 817-826.
- Kruizinga, J. (1982). "SPT-CPT Correlation." *Proceedings of the Second European Symposium on Penetration Testing Amsterdam*, 91-94.
- Kulasingam, R., Boulanger, R. W., and Idriss, I. M. (1999). "Evaluation of CPT Liquefaction Analysis Methods Against Inclinator Data from Moss Landing." *Proceedings of the Seventh U.S.-Japan Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures Against Soil Liquefaction* O'Rourke, T. D., Bardet, J. P., and Hamada, M. MCEER-99-0019, Seattle, Washington, 35-53.
- Kulhawy, F. H. and Trautmann, C. H. (1996). "Estimation of In-Situ Test Uncertainty." *Uncertainty in the Geologic Environment: From Theory to Practice, Proceedings of Uncertainty '96* Shackelford, C. D. and Nelson, P. P. ASCE Geotechnical Special Publication No. 58, Madison, Wisconsin, 269-286.
- Kurup, P. U., Voyiadjis, G. Z., and Tumay, M. T. (1994). "Calibration Chamber Studies of Piezocone Test in Cohesive Soils." *Journal of Geotechnical Engineering*, 120(1), 81-107.
- Ladanyi, B. and Johnston, G. H. (1974). "Behavior of Circular Footings and Plate Anchors Embedded in Permafrost." *Canadian Geotechnical Journal*, 11, 531-553.
- Ladanyi, B. (2002). "Discussion of "Undrained Cavity Expansion in Modified Cam Clay II: Application to the Interpretation of the Piezocone Test," Chang et al. (2001)." *Geotechnique*, 52(4), 307-311.
- Liao, S. S. C., Veneziano, D., and Whitman, R. V. (1988). "Regression Models for Evaluating Liquefaction Probability." *Journal of Geotechnical Engineering*, 114(4), 389-409.
- Liu, P., Lin, H., & Der Kiureghian, A. (1989) "CALREL User Manual." *Structural Engineering Mechanics and Materials Report No. UCB/SEMM-89/18*, University of California Berkeley.
- Low, B. K. (1996). "Practical Probabilistic Approach Using Spreadsheet." *Uncertainty in the Geologic Environment: From Theory to Practice, Proceedings of Uncertainty '96* Shackelford, C. D. and Nelson, P. P. ASCE Geotechnical Special Publication No. 58, Madison, Wisconsin, 1284-1302.
- Low, B. K. and Tang, W. H. (1997). "Efficient Reliability Evaluation Using Spreadsheet." *Journal of Engineering Mechanics*, 123(7), 749-752.
- Lunne, T., Eidsmoen, T., Gillespie, D., and Howland, J. D. (1988). "Laboratory and Field Evaluation of Cone Penetrometers." *Norwegian Geotechnical Institute, Publication No. 171*, 1-13.

- Lunne, T., Robertson, P. K., and Powell, J. J. M. (1997). "Cone Penetration Testing in Geotechnical Practice." Blackie Academic & Professional.
- Mantaras, F. M. and Schnaid, F. (2002). "Cylindrical Cavity Expansion in Dilatant Cohesive-Fictional Materials." *Geotechnique*, 52(5), 337-348.
- Martin, G. R. and Douglas, B. J. (1981). "Evaluation of the Cone Penetrometer for Liquefaction hazard Assessment." Open File No. 81-284, Dept. of the Interior, U.S. Geological Survey, Menlo Park, California.
- Masood, T. (1990). "Determination of Lateral Earth Pressure in Soils by In-Situ Methods." Ph.D. Dissertation, University of California Berkeley.
- Masood, T. and Mitchell, J. K. (1993). "Estimation of In Situ Lateral Stresses in Soils by Cone-Penetration Test." *Journal of Geotechnical Engineering*, 119(10), 1624-1639.
- Mayne, P. W. (1991). "Determination of OCR in Clays by Piezocone Tests Using Cavity Expansion and Critical State Concepts." *Soils and Foundations, Journal of the Japanese Society of Soil Mechanics and Foundation Engineering*, 31(2), 65-76.
- Mayne, P. W., Chen, B. S. Y., and Burns, S. E. (2002). "Discussion of "Undrained Cavity Expansion in Modified Cam Clay II: Application to the Interpretation of the Piezocone Test," Chang et al. (2001)." *Geotechnique*, 52(4).
- Mitchell, J. K. and Tseng, D. J. (1990). "Assessment of Liquefaction Potential by Cone Penetration Resistance." *Proceedings from the H. Bolton Seed Memorial Symposium Duncan, J. M. BiTech, Vancouver, B. C.*, 335-350.
- Mitchell, J. K., Seed, R. B., Lodge, A., Nishio, S., and Coutinho, R. (1992). "Evaluation of SPT, CPT, and Shear Wave Based Methods for Liquefaction Potential Assessment Using Loma Prieta Data." *Proceedings from the Fourth Japan-U.S. Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures for Soil Liquefaction Hamada, M. and O'Rourke, T. D. Technical Report NCEER-92-0019, Honolulu*, 177-204.
- Mitchell, J. K., Lodge, A. L., Coutinho, R. Q., Kayen, R. E., Seed, R. B., Nishio, S., and Stokoe, K. H., II (1994). "In Situ Test Results from Four Loma Prieta Earthquake Liquefaction Sites: SPT, CPT, DMT, and Shear Wave Velocity." UCB/EERC-94/04, Earthquake Engineering Research Center, College of Engineering, University of California Berkeley.
- Mitchell, J. K. and Brandon, T. L. Analysis and Use of CPT in Earthquake and Environmental Engineering. [1], 69-97. 1998. *Geotechnical Site Characterization*. Robertson, P. K. and Mayne, P. W.

- Miura, S., Toki, S., and Tanizawa, F. (1984). "Cone Penetration Characteristics and its Correlation to Static and Cyclic Deformation-Strength Behaviors and Anisotropic Sand." *Soils and Foundations, Journal of the Japanese Society of Soil Mechanics and Foundation Engineering*, 24(2), 58-74.
- Mulqueen, P. C. (1989). "Study of Earthquake Induced Liquefaction at Kaiapoi, New Zealand." Masters Thesis, University of Canterbury, Christchurch, New Zealand.
- NCEER (1997). "Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils." Technical Report No. NCEER-87-0022.
- O'Rourke, T. D., Roth, B. L., and Hamada, M. (1992). "Large Ground Deformations and Their Effects on Lifeline Facilities: 1971 San Fernando Earthquake." Technical Report NCEER-92-002, National Science Foundation and New York State Science and Technology Foundation.
- O'Rourke, T. D., Meyersohn, W. D., Stewart, H. E., Pease, J. W., and Miyajima, M. (1992). "Site Response and Soil Liquefaction in San Francisco During the Loma Prieta Earthquake." Proceedings from the Fourth Japan-U.S. Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures for Soil Liquefaction Hamada, M. and O'Rourke, T. D. Technical Report NCEER-92-0019, Honolulu, 53-70.
- O'Rourke, T. D., Roth, B. L., and Hamada, M. (1992). "Large Ground Deformations and Their Effects on Lifeline Facilities; 1971 San Fernando Earthquake." Technical Report NCEER-92-002, Volume 2.
- Ohya, S., Iwasaki, T., and Wakamatsu, M. (1985). "Comparative Study of Various Penetration Tests in Ground that Underwent Liquefaction During the 1983 Nihonkai-Chubu and 1964 Niigata Earthquakes." Workshop on In-Situ Testing Methods For Evaluation of Soil Liquefaction Susceptibility U.S.-Japan Panel on Wind and Seismic Effects (UJNR), San Francisco, 56-88.
- Olsen, R. S. (1984). "Liquefaction Analysis Using the Cone Penetrometer Test." 8<sup>th</sup> World Conference on Earthquake Engineering EERI, San Francisco, 247-254.
- Olsen, R. S. and Farr, J. V. (1986). "Site Characterization Using the Cone Penetrometer Test." In *Situ '86, Use of In Situ Tests in Geotechnical Engineering*, Geotechnical Special Publication No. 6 Clemence, S. P. ASCE, Blacksburg, Virginia, 855-868.
- Olsen, R. S. and Malone, P. G. (1988). "Soil Classification and Site Characterization Using the Cone Penetrometer Test." *Penetration Testing 1988, Proceedings of the First International Symposium on Penetration Testing, ISOPT-1* De Ruiter, J. A.A. Balkema, Orlando, Florida, 887-893.
- Olsen, R. S. (1994). "Normalization and Prediction of Geotechnical Properties Using the Cone Penetration Test (CPT)." Ph. D. Dissertation, University of California, Berkeley.

- Olsen, R. S. and Mitchell, J. K. (1995). "CPT Stress Normalization and Prediction of Soil Classification." International Symposium on Cone Penetration Testing, CPT 95 Linkoping, Sweden, 257-262.
- Olsen, R. S. and Koester, J. P. (1995). "Prediction of Liquefaction Resistance using the CPT." International Symposium on Cone Penetration Testing, CPT 95 Linkoping, Sweden, 251-256.
- Olsen, R. S. (1995). "Prediction of Clay Strength using the Combination of Cone and Sleeve Resistance." International Symposium on Cone Penetration Testing, CPT 95 Linkoping, Sweden, 245-250.
- Olson, S. M. and Stark, T. D. (1998). "CPT-Based Liquefaction Resistance of Sandy Soils." Geotechnical Earthquake Engineering and Soil Dynamics III, GTP No. 75 Dakoulal, P. Yegian M. and Holtz, R. D. ASCE, Seattle, WA, 325-336.
- Olson, S. M. (2001). "Liquefaction Analysis of Level and Sloping Ground Using Field Case Histories and Penetration Resistance." PhD Dissertation, University of Illinois, Champagne-Urbana.
- Ooi, E. T. C. (1987). "Investigation of Liquefaction in the Buller Region." Masters Thesis, University of Canterbury, Christchurch, New Zealand.
- Parkin, A. K. and Lunne, T. (1982). "Boundary Effects in the Laboratory Calibration of a Cone Penetrometer for Sand." Norwegian Geotechnical Institute, Publication No. 138, 1-7.
- Popescu, R., Prevost, J. H., and Deodatis, G. (1997). "Effects of Spatial Variability on Soil Liquefaction: Some Design Recommendations." Geotechnique, 47(5), 1019-1036.
- Perlea, V.G. (2000) "Liquefaction of Cohesive Soils." Soil Dynamics and Liquefaction 2000, ASCE Geotechnical Specialty Publication No. 107, 58-75.
- Polito, C. (2001) "Plasticity Based Liquefaction Criteria." Proc. 4<sup>th</sup> International Conf. Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, Paper No. 1.33.
- Porcella, R. L. and Matthiesen, R. B. (1979). "Preliminary Summary of the U.S. Geological Survey Strong-Motion Records from the October 15, 1979 Imperial Valley Earthquake." Open-File Report 79-1654, U.S. Geological Survey with the National Science Foundation under Interagency Agreement CA-114.
- Prakash, S., Guo, T., and Kumar, S. (1998). "Liquefaction of Silts and Silt-Clay Mixtures." Geotechnical Earthquake Engineering and Soil Dynamics III, GTP No. 75 Dakoulal, P. Yegian M. and Holtz, R. D. ASCE, Seattle, WA, 337-348.

- Rad, N. S. and Lunne, T. (1989). "Direct Correlations Between Piezocone Test Results and Undrained Shear Strength of Clay." Norwegian Geotechnical Institute, Publication No. 177, 1-7.
- Reyna, F. A. M. (1991). "In Situ Tests for Liquefaction Potential Evaluation: Application to California Data Including Data from the 1989 Loma Prieta Earthquake." PhD Dissertation, Purdue University.
- Robertson, P. K. and Campanella, R. G. (1981). "In-Situ Tests to Assess Liquefaction Resistance." No. 45, University of British Columbia.
- Robertson, P. K. and Campanella, R. G. (1983). "Evaluation of Liquefaction Potential Using the Cone Penetration Test." No. 64, University of British Columbia.
- Robertson, P. K., Campanella, R. G., and Wightman, A. (1983). "SPT-CPT Correlations." *Journal of Geotechnical Engineering*, 109(11), 1449-1459.
- Robertson, P. K. and Campanella, R. G. (1985). "Liquefaction Potential of Sands Using the CPT." *Journal of Geotechnical Engineering*, 111(3), 384-403.
- Robertson, P. K. (1990). "Soil Classification Using the Cone Penetration Test." *Canadian Geotechnical Journal*, 27(1), 151-158.
- Robertson, P. K. and Fear, C. E. (1995). "Liquefaction of Sands and its Evaluation." First International Conference on Earthquake Geotechnical Engineering Ishihara, K. A. A. Balkema, Rotterdam, 1253-1289.
- Robertson, P. K. and Wride, C. E. (1997). "Cyclic Liquefaction and its Evaluation Based on the SPT and CPT." NCEER-97-0022, Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. 41-87.
- Robertson, P. K. and Wride, C. E. (1998). "Evaluating Cyclic Liquefaction Potential Using the Cone Penetration Test." *Canadian Geotechnical Journal*, 35(3), 442-459.
- Rollins, K. M., Hryciw, R. D., Shewbridge, S. E., McHood, M. D., and Homolka, M. (1998). "Ground Response on Treasure Island." U.S.G.S Professional Paper 1551.
- Rongxiang, Z. and Zhaoji, S. (1995). "Liquefaction Prediction Based on  $q_c$  and  $D_{50}$ ." *Earthquake Engineering and Engineering Vibration (Japanese)*, 15(1), 100-110.
- Rutherford and Chekene (1987). "Geotechnical Hazard Evaluation: Moss Landing Facility, Monterey Bay Aquarium Research Institute." Report prepared for Monterey Bay Aquarium Research Institute., San Francisco, California.

- Rutherford and Chekene (1988). "Geotechnical Investigation: Moss Landing Facility (technology building), Monterey Bay Aquarium Research Institute." Report prepared for Monterey Bay Aquarium Research Institute., San Francisco, California.
- Rutherford and Chekene (1993). "Geologic Hazards Evaluation/Geotechnical Investigation: Monterey Bay Aquarium Research Institute Buildings 3 and 4." Report prepared for Monterey Bay Aquarium Research Institute., San Francisco, California.
- Salgado-Rodrigues, R. (1993). "Analysis of Penetration Resistance in Sands." Ph.D. Dissertation, University of California, Berkeley.
- Salgado, R., Boulanger, R. W., and Mitchell, J. K. (1997). "Lateral Stress Effects on CPT Liquefaction Resistance Correlations." *Journal of Geotechnical and Geoenvironmental Engineering*, 123(8), 726-735.
- Salgado, R., Mitchell, J. K., and Jamiolkowski, M. (1997). "Cavity Expansion and Penetration Resistance in Sand." *Journal of Geotechnical and Geoenvironmental Engineering*, 123(4), 344-354.
- Salgado, R. and Randolph, M. F. (2001). "Analysis of Cavity Expansion in Sand." *International Journal of Geomechanics*, 1(2), 175-192.
- Sancio, R.B., Bray, J.D., Stewart, J.P., Youd, T.L., Durgunoglu, H.T., Onalp, A., Christensen, C., Baturay, M.B., Karadayilar, T., Seed, R.B. (2001). "Correlation Between Ground Failure and Subsurface Soil Conditions in Downtown Adapazari, Turkey.
- Sancio, R. B., Bray, J. D., Riemer, M. F., and Durgunoglu, T. (2003). "An Assessment of the Liquefaction Susceptibility of Adapazari Silt." 2003 Pacific Conf. Earthquake Engineering, New Zealand.
- Schmertmann, J. H. (1978). "Guidelines for Cone penetration performance and Design." FHWA-TS-78-209, U.S. Dept. Transportation.
- Schneider, J. A., Mayne, P. W., Hendren, T. L., and Wise, C. M. (1999). "Initial Development of an Impulse Piezovibrocone for Liquefaction Evaluation." *Physics and Mechanics of Soil Liquefaction*. Lade, P. and Yamamuro, J. A. 341-354.
- Seed, H. B. and Idriss, I. M. (1971). "Simplified Procedure for Evaluating Soil Liquefaction Potential." *Journal of the Soil Mechanics and Foundations Division, ASCE*, 97(SM 9), 1249-1273.
- Seed, H. B., Idriss, I. M., and Arango, I. (1983). "Evaluation of Liquefaction Potential Using Field Performance Data." *Journal of Geotechnical Engineering*, 109(3), 458-482.

- Seed, H. B., Tokimatsu, K., Harder, L. F., and Chung, R. M. (1985). "Influence of SPT Procedures in Soil Liquefaction Resistance Evaluation." *Journal of Geotechnical Engineering*, 111(GT 12), 1425-1445.
- Seed, H. B. and De Alba, P. (1986). "Use of SPT and CPT Tests for Evaluating the Liquefaction Resistance of Sands.", 281-302.
- Seed, R.B., Cetin, K.O., Moss, R.E.S., Kammerer, A.M., Wu, J., Pestana, J.M., Riemer, M.F. (2001). Recent Advances in Soil Liquefaction Engineering and Seismic Site Response Evaluation." *Proc. 4<sup>th</sup> International Conf. Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics*.
- Seed, R. B., Cetin, K.O., Der Kiureghian, A., Tokimatsu, K., Harder, L. F. Jr., Kayen, R. E., and Moss, R. E. S. (2003). "SPT-Based Probabilistic and Deterministic Assessment of Seismic Soil Liquefaction Potential." *Journal of Geotechnical and Geoenvironmental Engineering*, accepted in-press.
- Shapiro, S. and Yamamuro, J. A. (2003). "Effects of Silt on Three-Dimensional Stress-Strain Behavior of Loose Sand." *Journal of Geotechnical and Geoenvironmental Engineering*, 129(1), 1-11.
- Sheahan, T. C., Ladd, C. C., and Germaine, J. T. (1996). "Rate Dependent Undrained Shear Behavior of Saturated Clay." *Journal of Geotechnical Engineering*, 122(2), 99-108.
- Shengcong, F. and Tatsuoka, F. (1984). "Soil Liquefaction During Haicheng and Tangshan Earthquake in China; a Review." *Soils and Foundations, Journal of the Japanese Society of Soil Mechanics and Foundation Engineering*, 24(4), 11-29.
- Shengen, Z. (1980). "Evaluation of the Liquefaction of Sand by Static Cone Penetration Test." *Proceedings of the Seventh World Conference on Earthquake Engineering Istanbul, Turkey*, 156-162.
- Shibata, T. and Teparaska, W. (1988). "Evaluation of Liquefaction Potential of Soils Using Cone Penetration Testing." *Soils and Foundations, Journal of the Japanese Society of Soil Mechanics and Foundation Engineering*, 28(2), 49-60.
- Shuttle, D. and Jefferies, M. G. (1998). "Dimensionless and Unbiased CPT Interpretation in Sand." *Journal for Numerical and Analytical Methods in Geomechanics*, 22, 351-391.
- Sisson, R. C. (1990). "Lateral Stesses on Displacement Penetrometers." Ph.D. Dissertation, University of California, Berkeley.
- Sladen, J. A. and Hewitt, K. J. (1989). "Influence of Placement Method on the In Situ Density of Hydraulic Sand Fills." *Canadian Geotechnical Journal*, 26, 453-466.

- Somerville, P. G. (2000). "Magnitude Scaling of Near Fault Ground Motions." *Earthquake Engineering And Engineering Seismology*, 2(2), 15-24.
- Spudich, P., Fletcher, J. B., Hellweg, M., Boatwright, J., Sullivan, C., Joyner, W. B., Hanks, T. C., Boore, D. M., McGarr, A., Baker, L. M., and Lindh, A. G. (1997). "SEA96-A New Predictive Relation for Earthquake Ground Motions in Extensional Tectonic Regimes." *Seismological Research Letters*, 68(1), 190-198.
- Stark, T. D. and Olson, S. M. (1995). "Liquefaction Resistance Using CPT and Field Case Histories." *Journal of Geotechnical Engineering*, 121(12), 856-869.
- Stark, T. D., Olson, S. M., Kramer, S. L., and Youd, T. L. (1998). "Shear Strength of Liquefied Soil." *Geotechnical Earthquake Engineering and Soil Dynamics III, GTP No. 75 Dakoulal, P. Yegian M. and Holtz, R. D. ASCE, Seattle, WA*, 313-324.
- Sugawara, N. (1989). "Empirical Correlation of Liquefaction Potential Using CPT." *Proceedings of the Twelfth International Conference on Soil Mechanics and Foundation Engineering Rio de Janeiro*, 335-338.
- Suzuki, Y., Koyamada, K., Tokimatsu, K., Taya, Y., and Kubota, Y. (1995). "Empirical Correlation of Soil Liquefaction Based on Cone Penetration Test." *First International Conference on Geotechnical Earthquake Engineering Ishihara, K. A. A. Balkema, Rotterdam*, 369-374.
- Suzuki, Y., Tokimatsu, K., Koyamada, K., Taya, Y., and Kubota, Y. (1995). "Field Correlation of Soil Liquefaction Based on CPT Data." *International Symposium on Cone Penetration Testing, CPT 95 Linkoping, Sweden*, 583-588.
- Suzuki, Y., Tokimatsu, K., Taya, Y., and Kubota, Y. (1995). "Correlation Between CPT Data and Dynamic Properties of In Situ Frozen Samples." *Proceedings of the Third International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics Prakash, S. St. Louis, Missouri*, 249-252.
- Suzuki, Y., Tokimatsu, K., and Koyamada, K. (1997). "Prediction of Liquefaction Resistance Based on CPT Tip Resistance and Sleeve Friction." *Proceedings XIV International Conference of Soil Mechanics and Foundation Engineering Hamburg, Germany*, 603-606.
- Teh, C. I. and Houlsby, G. T. (1991). "An Analytical Study of the Cone Penetration Test in Clay." *Geotechnique*, 41(1), 17-34.
- Thevanayagam, S. and Mohan, S. (1998). "Intergranular Void Ratio-Steady State Strength Relations for Silty Sands." *Geotechnical Earthquake Engineering and Soil Dynamics III, GTP No. 75 Dakoulal, P. Yegian M. and Holtz, R. D. ASCE, Seattle, WA*, 349-360.

- Tinsley, J. C. I. and Dupre, W. R. (1992). "Liquefaction Hazard Mapping, Depositional Faces, and Lateral Spreading Ground Failure in the Monterey Bay Area, Central California, During the 10/17/89 Loma Prieta Earthquake." Proceedings from the Fourth Japan-U.S. Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures for Soil Liquefaction Hamada, M. and O'Rourke, T. D. Technical Report NCEER-92-0019, Honolulu, 71-85.
- Tokimatsu, K., Kojima, H., Kuwayama, S., Abe, A., and Midorikawa, S. (1994). "Liquefaction-Induced Damage to Buildings in 1990 Luzon Earthquake." *Journal of Geotechnical Engineering*, 120(2), 290-307.
- Tokimatsu, K., and Suzuki, Y. (2002). Personal Communication.
- Toprak, S., Holzer, T. L., Bennett, M. J., and Tinsley, J. C. I. (1999). "CPT- and SPT-based Probabilistic Assessment of Liquefaction." Proc., 7th U.S.-Japan Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures Against Liquefaction MCEER, Seattle, WA, 69-86.
- Tseng, D. J. (1989). "Prediction of Cone Penetration Resistance and Its Application to Liquefaction Assessment." Ph.D. Dissertation, University of California Berkeley.
- Tuttle, M., Law, K. T., Seeber, L., and Jacob, K. (1990). "Liquefaction and Ground Failure Induced by the 1988 Saguenay, Quebec, Earthquake." *Canadian Geotechnical Journal*, 27(5), 580-589.
- Tuttle, M., Tinsley, J. C. I., Bennett, M. J., and Berrill, J. R. (1990). "Liquefaction and Foundation Failure of Chevron Oil and Gasoline Tanks at Moss Landing, California." *Geophysical Research Letters*, 17(10), 1797-1800.
- Vesic, A. S. (1972). "Expansion of Cavities in Infinite Soil Mass." *Journal of the Soil Mechanics and Foundations Division, ASCE*, 98(SM3), 265-289.
- Voznesensky, E. A. and Nordal, S. (1999). "Dynamic Instability of Clays: and Energy Approach." *Soil Dynamics and Earthquake Engineering*, 18, 125-133.
- Vreugdenhil, R., Davis, R., and Berrill, J. R. (1994). "Interpretation of Cone Penetration Results in Multilayered Soils." *International Journal for Numerical and Analytical Methods in Geomechanics*, 18, 585-599.
- Wesley, L. D. (2020). "Interpretation of Calibration Chamber Tests Involving Cone Penetrometers in Sand." *Geotechnique*, 52(4), 289-293.
- Woodward-Clyde Consultants (1990). "Phase I - Geotechnical Study, Marine Biology Laboratory, California State University, Moss Landing, California." Report Prepared for California State University, San Jose, California, Oakland, California.

- Yamamuro, J. A. and Lade, P. (1998). "Steady-State Concepts and Static Liquefaction of Silty Sands." *Journal of Geotechnical and Geoenvironmental Engineering*, 124(9), 868-877.
- Yegian, M. K. and Whitman, R. V. (1978). "Risk Analysis for Ground Failure by Liquefaction." *Journal of Geotechnical Engineering*, 104(7), 921-938.
- Youd, T. L. and Bennett, M. J. (1983). "Liquefaction Sites, Imperial Valley, California." *Journal of Geotechnical Engineering*, 109(3), 440-457.
- Youd, T. L. (1984). "Recurrence of Liquefaction at the Same Site." Eighth World Conference on Earthquake Engineering EERI, San Francisco, 231-238.
- Youd, T. L. and Wieczorek, G. F. (1984). "Liquefaction During the 1981 and Previous Earthquakes Near Westmorland, CA." Open-File Report 84-680, U.S.G.S., Menlo Park, CA.
- Youd, T. L. (1985). "Liquefaction Studies in the Imperial Valley, California." Workshop on In-Situ Testing Methods for Evaluation of Soil Liquefaction Susceptibility, U.S.-Japan Panel on Wind and Seismic Effects, U.S.-Japan Cooperative Program in Natural Resources San Francisco, 109-139.
- Youd, T. L. (1996). "Preliminary Report From NCEER Workshop on Evaluation of Liquefaction Resistance of Soils." Proceedings of the Fourth Caltrans Seismic Research Workshop -Sacramento, California.
- Youd, T. L. and Noble, S. K. (1997). "Liquefaction Criteria Based on Statistical and Probabilistic Analyses." Technical Report NCEER-97-0022, National Science for Earthquake Engineering Research, State University of New York at Buffalo.
- Youd, T.L. and Gilstrap, S.D. (1999). "Liquefaction and Deformation of Silty and Fine-Grained Soils." Proc. 2<sup>nd</sup> International Conf. Earthquake Geotechnical Engineering, Vol. 3, 1013-1020.
- Yu, H. S. and Houlsby, G. T. (1991). "Finite Cavity Expansion in Dilatant Soils: Loading Analysis." *Geotechnique*, 41(2), 173-183.
- Yu, H. S., Schnaid, F., and Collins, I. F. (1996). "Analysis of Cone Pressuremeter Tests in Sands." *Journal of Geotechnical Engineering*, 122(8), 623-632.
- Yu, H. S. and Mitchell, J. K. (1998). "Analysis of Cone Resistance: Review of Methods." *Journal of Geotechnical and Geoenvironmental Engineering*, 124(2), 140-149.
- Yu, H. S. (2000). "Cavity Expansion Methods in Geomechanics." Kluwer Academic Publishers.

- Yu, H. S., Herrmann, L. R., and Boulanger, R. W. (2000). "Analysis of Steady Cone Penetration in Clay." *Journal of Geotechnical and Geoenvironmental Engineering*, 126(7), 594-605.
- Zhang, Z. and Tumay, M. T. (1996). "Simplification of Soil Classification Charts Derived from the Cone Penetration Test." *Geotechnical Testing Journal*, 19(2), 203-216.
- Zhang, Z. and Tumay, M. T. (1996). "The Reliability of Soil Classification Derived from Cone Penetration Tests." *Uncertainty in the Geologic Environment, From Theory to Practice, Proceedings of Uncertainty '96* Shackelford, C. D. and Nelson, P. P. ASCE, New York, 383-408.
- Zhang, Z. and Tumay, M. T. (1999). "Statistical to Fuzzy Approach Toward CPT Soil Classification." *Journal of Geotechnical and Geoenvironmental Engineering*, 125(3), 179-186.
- Zhang, Z. and Tumay, M. T. (2000). "Discussion Closure on Statistical to Fuzzy Approach toward CPT Soil Classification." *Journal of Geotechnical and Geoenvironmental Engineering*, 126(6), 579-580.
- Zhao, J. X., Dowrick, D. J., and McVerry, G. H. (1997). "Attenuation of Peak Ground Accelerations in New Zealand Earthquakes." *Bulletin of the New Zealand National Society for Earthquake Engineering*, 30(2), 133-158.
- Zhou, S. G. and Gou, L. J. (1979). "Liquefaction of Silty Sand in Lutai District." Ministry of Railway, China (in Chinese).
- Zhou, S. G. and Zhang, S. M. (1979). "Liquefaction Investigation in Tangshan District." Ministry of Railway, China (in Chinese).
- Zhou, S. G. (1981). "Influence of Fines on Evaluating Liquefaction of Sand by CPT." *International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics* St. Louis, Missouri, 167-172.