CURRICULUM VITAE

Bruce L. Kutter

Personal Information

Permanent Address:	718 Oriole Ave, Davis, CA 95616
Work Address:	Department of Civil and Environmental Engr
	University of California, Davis, CA 95616
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Education

Cambridge University, Cambridge, UK, Ph.D, Soil Mechanics (R.G. James)
Cambridge University, Cambridge, UK, M.Phil, Soil Mechanics (R.G. James)
University of California, Davis, MS, Civil Engineering (K. Arulanandan)
University of California, Davis, BS, Civil Engineering
American River College, Placerville and Sacramento California State University, Sacramento

Employment

1995-2017	University of California, Davis
	Professor of Civil and Environmental Engineering
1986-1995	University of California, Davis
	Associate Professor of Civil and Environmental Engineering
1983-1989	University of California, Davis
	Assistant Professor of Civil Engineering

Honors & Awards

2014	Schofield Lecture, Selected by International Society of Soil Mechanics and Geotechnical Engineering, Technical Committee TC104. Lecture
	delivered in November 2015 at the ICEGE in Christchurch, NZ.
2013	2013 ASCE Wellington Prize for papers on transportation on land, on the water in the air or on foundations and closely-related subjects. Chou J
	C., Kutter, B. L., Travasarou, T and Chacko, J.M. "Centrifuge Modeling of
	Seismically Induced Uplift for the BART Transbay Tube" J. Geotechnical
	Geoenwronmentar Eng., 137(6). 754-765.
2010	Overseas Fellow Churchill College Cambridge. Overseas Fellowships
	are offered to senior academics from abroad. They are intended for
	distinguished visitors that are world class in their discipline.
2010	Distinguished Visiting Fellowship Award from the Royal Academy of

	Engineering in London, 15 March, 2010.
2010	State of the Art Lecture to plenary session of 5th International
	Conference on Recent Advances in Geotechnical Engineering and Soil
	Dynamics. May 24 - 29, San Diego, CA, 2010.
2008	Keynote Lecture: 4th decennial Geotechnical Earthquake Engineering
	and Soil Dynamics (GEESD) conference, sponsored by ASCE's Geo-
	institute, May 2008
2008	Most Effective Education and Outreach Activity for the NEES Consortium
	(shared with Dan Wilson, other staff of the Center for Geotechnical
	Modeling and other co-organizers of NEES Demonstration Day on May
	20, 2008)
2006	ASCE Norman Medal: for a paper worthy of special commendation for its
	merit as a contribution to engineering science, Kulasingam, R., Malvick,
	E.J., Boulanger, R.W., and Kutter, B.L. Strength Loss and Localization of
	Silt Interlayers in Slopes of Liquefied Sand. Journal of Geotechnical and
	Geoenvironmental Engineering, ASCE, 130(11): 1192-1202.
2006	Most Effective Training Activity of the NEES Consortium, June 2006 for
	UCD-RPI Centrifuge Research and Training Workshop. (Award shared
	by Dan Wilson, and the Center for Geotechnical Modeling at UC Davis,
0000	and our co-organizers at RPI.)
2006	Keynote Lecture: Int. Conf. On Physical Modeling In Geotechnics,
1009	Hong Kong Kowasta Lastura: Int. Conf. On Contrifuge Medaling, Contrifuge 08
1990	Tolaro
1005	TORYO State-Of-The-Art Lecture: 3rd Int. Conf. On Recent Advances In
1990	Geotechnical Earthquake Engineering And Soil Dynamics St. Louis
	MO April
1995	Technical Editors Award: Dynamic Geotechnical Testing II ASTM STP
1000	1213
1992	ASTM Hogentogler Award for outstanding paper on Soil or Rock, B.L.
	Kutter, N. Sathialingam, and L.R. Herrmann. Effects of Arching on
	Response Time of Miniature Pore Pressure Transducer in Clay.
	Geotechnical Testing Journal, ASTM, 13(3): 164-178.

Service

Administrative Activities

1983-1989	Managing Director, Center for Geotechnical Modeling, UC Davis.
1989-1996	Associate Director, Center for Geotechnical Modeling, UC Davis.
1996-2009	Director, Center for Geotechnical Modeling, UC Davis.
2001-2002	Vice Chair, Civil and Environmental Engineering, UC Davis.
2011-2012	Vice Chair, Dept of Civil and Environmental Engineering, UC Davis.

Committees

<u>University</u>

2010/2017	Faculty Advisor UCD ASCE GeoWall Geochallenge Team - Provide
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guidance and advice to student team at several phases of the project: analysis and design, a paper to qualify for nationals, poster for regionals, testing practice, etc. Personnel Committee - Helped Chair in preparation of letters for faculty 2011/2013 merit and promotion actions. Graduate Program Committee - Responsible for recruitment and 2013/2017 admission of graduate students in geotechnical engineering. Participate in other policy decisions related to graduate program administration. Graduate Program Review Committee for Materials Science 2011/2012 Engineering - 2 days of meetings with department personnel and other committee members. Additional meetings to prepare and edit report(s). Non-University Core Member of ISSMGE TC-2 and TC-104 - Technical Committee on 1991-2017 Physical Modeling in Geotechnics. This is a committee of the International Society of Soil Mechanics and Geotechnical Engineering. Member of Ad Hoc Committee - Ad Hoc Committee to establish a 1996-1998 strategy for establishing an NSF Earthquake Center (now known as PEER) among CUREe Universities. Proposal Writing Committee for Earthquake Centers Proposal to 1997 Establish PEER - Committee that developed successful proposal to NSF to establish PEER. 1998 Chair of NSF sponsored workshop on NHPS (now known as NEES) -Final report title: "Geotechnical Earthquake Engineering Experimental Facilities: Establishing a National Network with Structural, Seismological, and Coastal Earthquake Engineering Seismic Simulation Facilities, May 1998. 1998-2000 PEER Research Committee - Led geotechnical aspects of research program. 1998-2000 Chair of Ad Hoc Committee - Served as chair of Ad Hoc committee that determined how CUREE would respond to the NSF solicitations for NEES System Integration and Consortium Development Projects. Co-chair of steering committee - NEES 4th Annual Meeting in 2006 Washington DC, June 2006. ASCE 41 Analysis Task Group, Revision of ASCE/SEI 41-06 code for 2011-2013 seismic rehabilitation of existing buildings. Re-wrote several sections of Chapter 8 relevant to rocking foundations. 2016-2017 FEMA-NIBS BSSC PROVISIONS UPDATE COMMITTEE ISSUE TEAM 7 - Review Chapter 19 of ASCE 7-10, Review proposed changes to ASCE 41-17, and consider development of new provisions for soilstructure interaction including seismic earth pressures and rocking foundations.

Editorial and Advisory Boards

CUREE (Consortium of Universities for Research in Earthquake
Engineering) Board of Directors.
External Advisory Board of NEESgrid.
Editorial Board, International J. of Physical Modeling in Geotechnics.
Vice President, NEESinc Board of Directors.
Member of NEESinc Board of Directors.
External Advisory Boards of NEES equipment sites at Oregon State, U.
Minnesota, and RPI.
PEER Institutional Advisory Board.
Chair, PEER Institutional Advisory Board 2009-present.
Editorial Board, Journal of Soil Dynamics and Earthquake Engineering.

Grants and Contracts

Grants Active

07/20/2016	Grant #1635307, \$436,135, Principal Investigator, Collaborative Research: Validation of Constitutive and Numerical Modeling Techniques for Soil Liquefaction Analysis, National Science Foundation
12/02/2014	Grant #1520581, \$4,934,967, Principal Investigator, Natural Hazards Engineering Research Infrastructure: Experimental Facility with Geotechnical Centrifuges, National Science Foundation

Grants Completed

9/1/2014 - 12/30/2015	\$97,955, Principal Investigator, Model Testing to Evaluate Degradation of Axial Capacity from Cyclic Loading, DOI - BSEE via subcontract from MMI Consulting Engineers
10/1/2013 - 9/30/2015	\$159,100, Principal Investigator, NEESR Planning: Collaborative Research: Liquefaction Experiments and Analysis Projects (LEAP) for Validation, NSF
8/1/2013 - 9/30/2015	Grant #CMMI-1327233, \$99,691, Principal Investigator, Effect of dimensionless particle weight on maximum, minimum, and critical state void ratios, NSF
2/1/2013 - 7/31/2015	\$86,000, Principal Investigator, Experimental Response and Analytical Modeling of Rocking Foundations under Seismic Loading, Caltrans via subcontract from Berkeley
3/1/2012 - 9/30/2014	\$130,000, Principal Investigator, Phase 2 Steel Pile Jacket Seimic Soil Structure Interaction Study, BP America

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10/1/2009 - 9/30/2014	\$4,596,690, Co-Principal Investigator, NEES Site Operations, Boulanger (Principal Investigator), NSF
8/1/2013 - 9/30/2014	\$188,357, Principal Investigator, Phase 3: Centrifuge testing to evaluate seismic displacements of subsea manifolds on deep clay deposits, BP America
10/01/2009 - 9/30/2013	\$260,000, Principal Investigator, NEESR-SG: Seismic Performance Assessment in Dense Urban Environments, NSF
10/1/2009 - 9/30/2013	\$768,733, Principal Investigator, NEESR-CR: Design of soil and structure compatible yielding to improve system performance, NSF
10/01/2009 - 9/30/2011	\$230,000, Principal Investigator, Last Hurdles for Implementation of Rocking Foundations for Bridges, PEER
6/1/2007 - 9/30/2009	\$250,000, Principal Investigator, Innovative bridge foundations with improved performance less sensitive to site conditions, Caltrans
7/1/2007 - 6/30/2008	\$250,000, Principal Investigator, BART Transbay Tube Retrofit, BART; Fugro West Inc.
10/1/2004 - 9/30/2009	Grant #2004 v3.1, \$5,088,903, Principal Investigator, Operations & Maintenance Subaward Agreement, NEES NSF
6/30/2004 - 8/30/2006	\$250,000, Co-Principal Investigator, Inertial and Kinematic Load Combinations on Pile Foundations in Liquefying and Laterally Spreading Ground, Ross Boulanger (Principal Investigator), PEER Lifelines
3/4/2004 - 3/3/2006	Grant #STAP 13, \$370,020, Principal Investigator, Design Guidelines for Foundations Rocking of Bridge Piers, Caltrans
10/31/2001 - 8/1/2005	Grant #SA3496, \$253,000, Principal Investigator, Performance of Shallow Foundation, PEER
09/25/2000	Grant # 0086566, \$4,614,294, Principal Investigator, A NEES Geotechnical Centrifuge Facility, National Science Foundation
10/01/1999	Grant # 0070111, \$441,631, Principal Investigator, Effects of Void Redistribution on Liquefaction Flow of Layered Soils, National Science Foundation
8/21/1996	Grant # 59A0162, \$294,880, Co-Principal Investigator, Behavior of Piles in Laterally Spreading Ground During Earthquakes, Ross Boulanger (Principal Investigator), Caltrans
8/21/1996	Grant #99HQGR0019, \$105,000, Principal Investigator, Comprehensive Investigation of Nonlinear Site Response: Collaborative Research with UC San Diego, and UC Davis, USGS

Publications

1978	K. Arulanandan and B.L. Kutter. A Directional Structure Index Related to Sand Liquefaction. Proceedings, ASCE Conference on Earthquake Engineering and Soil Dynamics, 213-230.
1978	B.L. Kutter. Electrical Properties in Relation to Structure of Cohesionless Soils. M.S. Thesis, University of California, Davis, 1-99.
1979	B.L. Kutter, K. Arulanandan, and Y.F. Dafalias. A Comparison of Electrical and Penetration Methods of Site Investigation. Proceedings, Offshore Technology Conference, 1105-1115.
1979	B.L. Kutter. Behavior of Embankments Under Dynamic Loading. M. Phil. Thesis, Cambridge University, 1-87.
1981	B.L. Kutter. Discussion on Centrifuge Modeling of the Effects of Earthquakes on Embankments. Proceedings, Dams and Earthquake, Institution of Civil Engineers, 151-152.
1981	R.V. Whitman, P.C. Lambe, and B.L. Kutter. Initial Results from a Stacked Ring Apparatus for Simulation of a Soil Profile. Proceedings, International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, 1105-1110.
1982	B.L. Kutter. Deformation of Centrifuge Models of Clay Embankments due to 'Bumpy Road' Earthquakes. Proceedings, International Conference on Soil Dynamics and Earthquake Engineering, 331-349.
1983	B.L. Kutter. Centrifuge Modeling of the Response of Clay Embankments to Earthquakes. Ph.D. Thesis, Cambridge University, 1-291.
1983	B.L. Kutter. Geotechnical Centrifuges and Earthquake Simulator. Proceedings, 4th Engineering Mechanics Division Specialty Conference on Recent Advances in Engineering Mechanics and Their Impact on Civil Engineering Practice, ASCE, 621-625.
1983	B.L. Kutter. Deformation of Centrifuge Models of Clay Embankments due to 'Bumpy Road' Earthquakes. Proceedings, 1st International Conference and Exhibition on Soil Dynamics and Earthquake Engineering, 2(4): 199-205.
1984	B.L. Kutter. NGC Facility and Trends in Cost of Centrifuges. Proceedings, Symposium on Recent Advances in Geotechnical Centrifuge Modeling, 30-39.
1984	B.L. Kutter. Earthquake Deformation of Centrifuge Model Banks. Journal of Geotechnical Engineering Division, ASCE, 110(12): 1697-1714.

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1985	B.L. Kutter. Model Tests for Design of Centrifuge Safety Barrier. Proceedings, 2nd Symposium on the Interaction of Non-Nuclear Munitions with Structures, 430-434.
1985	B.L. Kutter, L.M. O'Leary, and P.Y. Thompson. Centrifugal Modeling of the Effect of Blast Loading on Tunnels. Proceedings, 2nd Symposium on the Interaction of Non-Nuclear Munitions with Structures, 1-6.
1985	K. Arulanandan, P.Y. Thompson, N.J. Meegoda, B.L. Kutter, and R.B. Krone. Centrifuge Modeling of Advection and Dispersion Processes During Pollutant Travel in Soil. Proceedings, 2nd Symposium on the Interaction of Non-Nuclear Munitions with Structures, 418-423.
1987	B.L. Kutter. Earthquake Deformation of Centrifuge Model Banks. Journal of Geotechnical Engineering Division, ASCE, 113(1): 72-73.
1987	B.C. Davis, B.L. Kutter, and L. Chang. Development of Centrifuge Modeling for Evaluating the Mechanisms of Collapse of Underground Openings. Engineering Research Annual Report, Mechanical Engineering Department, Lawrence Livermore National Laboratory, 127- 139.
1987	B.L. Kutter and C. Yogachandran. Bounding Surface Predictions of Dynamic Pore Pressures in a Soil Layer. Proceedings, 2nd International Conference on Constitutive Laws for Engineering Materials: Theory and Application, 605-613.
1987	A. Abghari, B.L. Kutter, and J.A. Cheney. Centrifuge Modeling of Bearing Capacity of Sand Under Concentric and Eccentric Loading. Proceedings, International Symposium on Prediction and Performance in Geotechnical Engineering, 397-405.
1988	B.L. Kutter. Liquefaction Evaluation Procedure - Discussion. Journal of Geotechnical Engineering Division, ASCE, 114(2): 243-246.
1988	K. Arulanandan, P.Y. Thompson, B.L. Kutter, N.J. Meegoda, K.K. Muraleetharan, and C. Yogachandran. Centrifuge Modeling of Transport Processes for Pollutants in Soils. Journal of Geotechnical Engineering Division, ASCE, 114(2): 185-205.
1988	B.L. Kutter, L.M. O'Leary, P.Y. Thompson, and R. Lather. Gravity Scaled Tests on Blast-Induced Soil-Structure Interaction. Journal of Geotechnical Engineering Division, ASCE, 114(4): 431-447.
1988	B.L. Kutter, A. Abghari, and J.A. Cheney. Strength Parameters for Bearing Capacity in Sand. Journal of Geotechnical Engineering Division, ASCE, 114(4): 491-500.
1988	J.A. Cheney and B.L. Kutter. Update on the U.S. National Geotechnical

Centrifuge. Proceedings, International Conference on Geotechnical Centrifuge Modelling, 61-66.

- 1988 A. Abghari, J.A. Cheney, and B.L. Kutter. Leaning Stability of Tall Towers. Proceedings, International Conference on Geotechnical Centrifuge Modelling, 435-442.
- B.L. Kutter, N. Sathialingam, and L.R. Herrmann. The Effects of Local Arching and Consolidation on Pore Pressure Measurements in Clay. Proceedings, International Conference on Geotechnical Centrifuge Modelling, 115-344.
- 1988 B.L. Kutter, A. Abghari, and S.B. Shinde. Modeling of Circular Foundations on Relatively Thin Clay Layers. Proceedings, International Conference on Geotechnical Centrifuge Modelling.
- 1988 K. Arulanandan, C. Yogachandran, K.K. Muraleetharan, B.L. Kutter, and G.S. Chang. Laboratory Flow Slide During Earthquake Simulation. Proceedings, International Conference on Geotechnical Centrifuge Modelling, 539-544.
- 1988 K. Arulanandan, C. Yogachandran, K.K. Muraleetharan, B.L. Kutter, and G.S. Chang. Seismically Induced Flow Slide on Centrifuge. Journal of Geotechnical Engineering Division, ASCE, 114(12): 1442-1449.
- 1989 B.L. Kutter and R.G. James. Dynamic Centrifuge Model Tests on Clay Embankments. Geotechnique, 39(1): 91-106.
- 1989 G.S. Chang and B.L. Kutter. Centrifugal Modeling of Soil-Pile-Structure Interaction. Proceedings, 25th Symposium on Engineering Geology and Geotechnical Engineering.
- 1989 B.L. Kutter, A. Abghari, and J.A. Cheney. Strength Parameters for Bearing Capacity of Sand. Journal of Geotechnical Engineering Division, ASCE, 1818-1819.
- 1990 B.L. Kutter, J.A. Casey, and K.M. Romstad. Centrifuge Modeling and Field Observations of Dynamic Behavior of Reinforced Soil and Concrete Cantilever Retaining Walls. Proceedings, 4th US National Conference on Earthquake Engineering, 663-672.
- 1990 G.S. Chang, B.L. Kutter, and K.M. Romstad. Centrifuge Modeling of Soil-Pile-Structure Interaction During Simulated Earthquake Loading. Proceedings, 4th US National Conference on Earthquake Engineering, 805-814.
- 1990 M. Jaber, J.K. Mitchell, B.R. Christopher, and B.L. Kutter. Large Centrifuge Modeling of Full Scale Reinforced Soil Walls. Proceedings, ASCE Specialty Conference on Design and Performance of Earth

Retaining Structures.

1990 B.L. Kutter, N. Sathialingam, and L.R. Herrmann. Effects of Arching on Response Time of Miniature Pore Pressure Transducer in Clay. Geotechnical Testing Journal, ASTM, 13(3): 164-178. J.A. Cheney, A. Abghari, and B.L. Kutter. Stability of Leaning Towers. 1991 Journal of Geotechnical Engineering Division, ASCE, 117(2): 297-318. 1991 B.L. Kutter and G.L. Fiegel. Mechanism of Sand Boil Formation in Layered Soils as Observed in Centrifuge Tests. Proceedings, 3rd US-Japan Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures of Soil Liquefaction, 279-285. 1991 J. Casey, D. Soon, B.L. Kutter, and K.M. Romstad. Modeling of Mechanically Stabilized Earth Systems: A Seismic Centrifuge Study. Proceedings, Geotechnical Engineering Congress, 839-850. 1991 B.L. Kutter, X.S. Li, W. Sluis, and J.A. Cheney. Performance and Instrumentation of the Large Centrifuge at Davis. Proceedings, International Conference Centrifuge, 19-26. 1991 D.J. Campbell, J.A. Cheney, and B.L. Kutter. Boundary Effects in Dynamic Centrifuge Model Tests. Proceedings, International Conference Centrifuge, 441-448. K.M. Romstad, B.L. Kutter, B. Maroney, M. Griggs, E. Kasper, X-S. Li, 1991 and E. Vanderbilt. Experimental Measurements of Bridge Abutment Behavior. Proceedings, 1st Annual Seismic Research Conference (Caltrans). 1991 I.M. Idriss, B.L. Kutter, X-S. Li, and G.L. Fiegel. Response of Soft Soil Sites During Earthquakes. Proceedings, 1st Annual Seismic Research Conference (Caltrans). 1992 B.L. Kutter, and N. Sathialingam. Elastic-Viscoplastic Modelling of the Rate-Dependent Behavior of Clays. Geotechnique, 42(3): 427-441. 1992 B.L. Kutter. Dynamic Centrifuge Modeling of Geotechnical Structures. Transportation Research Record, TRB, National Research Council, 1336: 24-30. 1992 D. Soon, J.A. Casey, B.L. Kutter, and K.M. Romstad. Dynamic Centrifuge Modeling of Sound Walls Supported on Concrete and Mechanically Stabilized Earth Retaining Structures. Transportation Research Record, TRB, National Research Council, 9-16. 1993 B.L. Kutter and R.W. Boulanger. Case Histories of New Solutions to Traditional Geotechnical Problems. Proceedings, 3rd International

Conference on Case Histories in Geotechnical Engineering, 1695-1697.

- 1993 I.M. Idriss, G.L. Fiegel, B.L. Kutter, and X-S. Li. Centrifuge Tests for Response of Soil Deposits. Proceedings, 2nd Annual Seismic Research Workshop (Caltrans).
- 1993 B. Maroney, M. Griggs, E. Vanderbilt, B.L. Kutter, Y.H. Chai, and K.M. Romstad. Experimental Measurements of Bridge Abutment Behavior. Proceedings, 2nd Annual Seismic Research Workshop (Caltrans).
- B. Maroney, K.M. Romstad, and B.L. Kutter. Experimental Testing of Laterally Loaded Large Scale Bridge Abutments. Proceedings, Structural Engineering in Natural Hazards Mitigation, Structures Congress, ASCE, 1: 1065-1070.
- 1993 T.M. Farrel and B.L. Kutter. Experimental Results of Model No 3. Proceedings, Conference on the Verification of Numerical Procedures for the Analysis of Soil Liquefaction Problems, 1: 463-469.
- 1993 D. Wilson and B.L. Kutter. Experimental Results of Model No 7. Proceedings, Conference on the Verification of Numerical Procedures for the Analysis of Soil Liquefaction Problems, 1: 809-816.
- 1993 T.M. Farrell and B.L. Kutter. Experimental Results of Model No 12. Proceedings, Conference on the Verification of Numerical Procedures for the Analysis of Soil Liquefaction Problems, 1: 1027-1034.
- 1993 D.W. Wilson, T.M. Farrell, and B.L. Kutter. An Overview and Relevance of Experimental Data from VELACS Project Model Nos. 7, 11, and 12. Proceedings, Conference on the Verification of Numerical Procedures for the Analysis of Soil Liquefaction Problems, 2.
- 1994 G.L. Fiegel and B.L. Kutter. Liquefaction Mechanism for Layered Soils. Journal of Geotechnical Engineering Division, ASCE, 120(4): 733-755.
- 1994 I.M. Idriss, G.L. Fiegel, and B.L. Kutter. Seismic Response of Soft Clay Layers Using the Centrifuge. Proceedings, 3rd Annual Seismic Research Workshop (Caltrans).
- 1994 B. Maroney, B.L. Kutter, K.M. Romstad, Y.H. Chai, and E. Vanderbilt. Interpretation of Large Scale Bridge Abutment Test Results. Proceedings, 3rd Annual Seismic Research Workshop (Caltrans).
- 1994 N. Sathialingam and B.L. Kutter. Scaling Laws for Rate Dependent Shear and Consolidation of Clay. American Society for Testing and Materials, Dynamic Geotechnical Testing II, ASTM, 1213: 330-345.
- 1994 K. Arulanandan, R. Dobry, A-W. Elgamal, H.Y. Ko, B.L. Kutter, J. Prevost, M.F. Riemer, A.N. Schofield, R.F. Scott, R.B. Seed, R.V.

	Whitman, and X. Zeng. Interlaboratory Studies to Evaluate the Repeatability of Dynamic Centrifuge Model Tests. American Society for Testing and Materials, Dynamic Geotechnical Testing II, ASTM, 1213: 400-422.
1994	B.L. Kutter, J-D. Chang, and B.C. Davis. Collapse of Cavities in Sand and Particle Size Effects. Proceedings, International Conference Centrifuge, 809-815.
1994	B.L. Kutter, I.M. Idriss, T. Kohnke, J. Lakeland, X-S. Li, W. Sluis, X. Zeng, R.C. Tauscher, Y. Goto, and I. Kubodera. Design of a Large Earthquake Simulator at UC Davis. Proceedings, International Conference Centrifuge, 169-175.
1994	G.L. Fiegel, M. Hudson, I.M. Idriss, B.L. Kutter, and X. Zeng. Effect of Model Containers on Dynamic Soil Response. Proceedings, International Conference Centrifuge, 145-150.
1994	G.L. Fiegel and B.L. Kutter. Liquefaction Induced Lateral Spreading of Mildly Sloping Ground. Journal of Geotechnical Engineering Division, ASCE, 120(12).
1995	G.L. Fiegel, I.M. Idriss, and B.L. Kutter. Earthquake Time Histories in Centrifuge Experiments. Proceedings, 3rd International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, 1: 149-154.
1995	B.L. Kutter. Recent Advances in Centrifuge Modeling of Seismic Shaking (State-of-the-Art Paper). Proceedings, 3rd International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, 2: 927-942.
1995	D.W. Wilson, R.W. Boulanger, B.L. Kutter, and A. Abghari. Dynamic Centrifuge Tests of Pile Supported Structures in Liquefiable Sand. Proceedings, National Seismic Conference on Bridges and Highways - Progress in Research and Practice.
1996	D.W. Wilson, R.W. Boulanger, B.L. Kutter, and A. Abghari. Soil-Pile- Superstructure Interaction Experiments with Liquefiable Sand in the Centrifuge. Proceedings, 4th Seismic Research Workshop (Caltrans).
1996	C.J. Divis, B.L. Kutter, and I.M. Idriss. Uniformity of Specimen and Response of Liquefiable Sand Model in a Large Centrifuge Shaker. Proceedings, 6th Japan-US Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures against Soil Liquefaction, National Center for Earthquake Engineering Research, 259-274.
1997	R.W. Boulanger, D.W. Wilson, B.L. Kutter, and A. Abghari. Soil-Pile- Superstructure Interaction in Liquefiable Sand. Transportation Research

Record, TRB, National Research Council, 55-64.

- 1997 D.W. Wilson, R.W. Boulanger, B.L. Kutter, and A. Abghari. Aspects of Dynamic Centrifuge Testing of Soil-Pile-Superstructure Interaction. Proceedings, Observation and Modeling in Numerical Analysis and Model Tests in Dynamic Soil Structure Interaction Problems, 64: 47-63. 1997 B.L. Kutter and Y-R. Chen. Constant p' and Constant Volume Friction Angles are Different. Geotechnical Testing Journal, ASTM, 20(3): 304-316. 1998 A. Balakrishnan, B.L. Kutter, and I.M. Idriss. Centrifuge Testing of Remediation of Liquefaction at Bridge Sites. Transportation Research Record, Liquefaction, Differential Settlement and Foundation Engineering, 1633: 26-37. 1998 S. Wang, B.L. Kutter, M. Jacob Chacko, D.W. Wilson, R.W. Boulanger, and A. Abghari. Nonlinear Seismic Soil-Pile-Structure Interaction. EERI Earthquake Spectra, 377-396. 1998 A. Balakrishnan, B.L. Kutter, and I.M Idriss. Remediation and Apparent Shear Strength of Lateral Spreading Centrifuge Models. Proceedings, 5th Seismic Research Workshop (Caltrans), 10 pages. R.W. A. Howard, B.L. Kutter, and R. Siddharthan. Seismic Deformation 1998 of Reinforced Soil Centrifuge Models. Proceedings, Geotechnical Earthquake Engineering & Soil Dynamics Conference, 446-468. B.L. Kutter and S. Wang. A Bounding Surface Model for Dynamic Soil-1998 Pile Interaction. Proceedings, Structural Engineers World Congress, T143-3: 8 pages. 1998 B.L. Kutter and A. Balakrishnan. Dynamic Model Test Data from Electronics to Knowledge (Keynote Lecture). Proceedings, Centrifuge '98, 2: 931-943. 1998 D.W. Wilson, R.W. Boulanger, and B.L. Kutter. Signal Processing for an Analysis of Dynamic Soil-Pile Interaction Experiments. Proceedings, Centrifuge '98, 1: 135-140. 1998 G.L. Fiegel, B.L. Kutter, and I.M. Idriss. Earthquake-Induced Settlement of Soft Clay. Proceedings, Centrifuge '98, 1: 231-236. 1998 T. Kawai, Y. Tanaka, M. Kanatani, D.P. Stewart, B.L. Kutter, R.R.
 - Settgast, H. Ishikawa, T. Takeda, S. Higuchi, and Y. Goto. Seismic Performance of a Caisson Type Seawall with an Armored Embankment. Proceedings, Centrifuge '98, 1: 351-358.
- 1998 C.K. Shen, X-S. Li, C.W.W. Ng, P.A. Van Laak, B.L. Kutter, K. Cappel,

1998

R.C. Tauscher. Development of a Geotechnical Centrifuge in Hong Kong. Proceedings, Centrifuge '98, 1: 13-18.
Y-R. Chen and B.L. Kutter. Undrained Rotational Shear Tests on Sand. Proceedings, Engineering Mechanics Conference.

- 1998 D.P. Stewart, Y.R. Chen, and B.L. Kutter. Experience with the Use of Methylcellulose as a Viscous Pore Fluid in Centrifuge Models. Geotechnical Testing Journal, ASTM, 21(4): 365-369.
- 1999 B.L. Kutter and A. Balakrishnan. Visualization of Soil Behavior from Dynamic Centrifuge Model Tests. Proceedings, 2nd International Conference on Earthquake Geotechnical Engineering, 3: 857-862.
- 1999 C.J. Curras, R.W. Boulanger, B.L. Kutter, D.W. Wilson. Seismic Soil-Pile-Structure Interaction in Soft Clay. Proceedings, 2nd International Conference on Earthquake Geotechnical Engineering, 3: 965-970.
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