RESUME Professor Robert G. Bea



POSITION

Professor, Department of Civil & Environmental Engineering
Associate Director, Collaborative for Catastrophic Risk Management

EDUCATION

1956, A. A., Jacksonville University
1959, B. S. in Civil Engineering, University of Florida
1960, Master of Science in Engineering, University of Florida
1961-1997, Post-graduate studies at Tulane University, Rice University, Texas A&M University, Bakersfield College, University of Houston, Technical and Scientific University of Norway
1998-2000, PhD, The University of Western Australia

LICENSES

Registered Professional Civil Engineer in Louisiana, Texas, Florida, Alaska, Washington, Oregon, California.
Registered Professional Geotechnical Engineer in California. Registered Land Surveyor in Louisiana.

PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers, Academy of Management, The U. K. Safety and Reliability Society, American Society of Mechanical Engineers, National Academy of Engineering

EXPERIENCE

1954-1959: U. S. Army Corps of Engineers, Engineer-in-Training
1959-1960: S. S. Jacobs Construction Co., Construction Estimator
1960-1976: Shell Oil Company (Manager, Head Office Civil Engineering Group; Chief Mechanical Engineer, Production Division; Offshore Division Construction Engineer, Head Office Production & Financial Control; Royal Dutch Shell Ltd. Production & Financial Control, Shell Development Company (Manager, Offshore Technology Development Group)
1976-1981: Ocean Services Division, Woodward-Clyde Consultants(Vice President, Chief Engineer, Geotechnical, Structural, Environmental, Field Operations)
1981-1989: PMB Engineering - Bechtel Inc. (Vice President, Senior International Consultant)
1989 - : University of California (Professor)

PRIMARY EXPERTISE

Ocean Environmental Conditions and Forces (earthquakes, wind, waves, currents, mudslides, ice)
Foundations Design and Construction (field explorations, soils testing, piles, mats, pipelines)
Structures Design, Construction, Maintenance, Re-qualification
Reliability Assessment and Management: Human & Organization Factors in Engineered Systems

HONORS

New Orleans City Council Proclamation in gratitude for research and efforts in promotion flood protection and to aid in the recovery of New Orleans and Louisiana 2007
Chancellor's Award for Research in the Public Interest 2007
Fellow, American Society of Mechanical Engineers 2005
Life Member, American Society of Civil Engineers, 2004
Hall of Fame, Risk and Reliability Engineering, Offshore Energy Center, 2003
Offshore Mechanics & Arctic Engineering Technical Achievement Award, American Society of Mechanical Engineers, 1997
National Academy of Management, 1994
National Academy of Engineering, 1989
Marine Board, National Academy of Engineering, 1989 - 1995
Society of Professional Engineers Project of the Year for 1993
United States Coast Guard Research Commendation, 1992
Hall of Fame, Hurricane Wind, Wave, and Current Conditions & Forces, Offshore Energy Center, 1990
American Society of Mechanical Engineers OMAE Technical Achievement Award, 1997
Institution of Engineers Australia Eminent Speaker Award, 1990
American Society of Civil Engineers Croes Medal, 1978

Bechtel Fellow Award, 1987
J. Hillis Miller Engineering Award, 1960

CONSULTING ABROAD

Canada, Greenland, England, Norway, Denmark, France, Spain, Angola, Nigeria, Gabon, Saudi Arabia, Kuwait, India, Thailand, China, Indonesia, Borneo, Australia, New Zealand, Mexico, Venezuela, Brazil, Chile, Argentina, Trinidad, Japan

PUBLICATIONS

Refereed Publications

A. Archival Journals

1. R.G. Bea, Discussion of "Friction and Cohesion of Saturated Clays," by T. H. Wu et al., *J. Soil Mechanics and Foundations Div.,* ASCE, Vol. 89, no. SM1, Feb. 1963, pp. 268-277.
2. R.G. Bea, "How Sea Floor Slides Affect Offshore Structures," *Oil & Gas Journal,* Nov. 29, 1971, pp. 88-91.
3. R.G. Bea, "Selection of Environmental Criteria for Offshore Platform Design," *Preprints, Offshore Technology Conference,* Houston, TX, OTC 1839, pp. II-185 - II-193, May 1973; also *J. Petroleum Technology,* Nov. 1974, pp. 1206-1214.
4. R.G. Bea and P. Arnold, "Movements and Forces Developed by Wave-Induced Slides in Soft Clays," *Preprints, 5th Annual Offshore Technology Conference,* Houston, TX, OTC 1899, May 1973, pp. II-731 - II-740; also *J. Petroleum Technology,* April 1975.
5. R.G. Bea, N.W. Lai, A.W. Niedoroda and G.H. Moore, "Gulf of Mexico Hurricane Wave Heights," *Preprints, 15th Annual Offshore Technology Conference,* Houston, TX, OTC 4586, May 1974, pp. 49-62; also *J. of Petroleum Technology,* Sept. 1975, pp. 1160-1172.
6. R.G. Bea, H.A. Bernard, P. Arnold and E.H. Doyle, "Soil Movements and Forces Developed by Wave-Induced Slides in the Mississippi Delta," *J. Petroleum Technology,* April 1975, pp. 500-514.
7. R.G. Bea and P.W. Marshall, "Failure Modes of Offshore Platforms," *Proc. of the Conference on Applications of Statistics and Probability in Engineering,* ASCE, Stanford University, June 1975; also BOSS '76 Conference Proceedings, Vol. II, Trondheim, Norway, pp. 579-635.
8. R.G. Bea, "Offshore Platforms - Platform Design," Petroleum 2000, Seventy-Fifth Anniversary Issue, *Oil & Gas Journal,* Aug. 1977.
9. R.G. Bea, "Earthquake Criteria for Platforms in the Gulf of Alaska," *J. Petroleum Technology,* March 1978, pp. 325-340.
10. R.G. Bea, J.M.E. Audibert and M.R. Akky, "Earthquake Response of Offshore Platforms,"*J. Structural Div.,* ASCE, Vol. 105, no. ST2, Feb. 1979, pp. 377-400.
11. R.G. Bea, "Earthquake and Wave Design Criteria for Offshore Platforms," *J. Structural Div.,* ASCE, Vol. 105, no. ST2, February 1979. pp. 401-419.
12. R.G. Bea, "Reliability Considerations in Offshore Platform Criteria," *J. Structural Div.,* ASCE, Vol. 106, no. ST9, Sept. 1980, pp. 1835-1853.
13. R.G. Bea, A.R. Dover and J.M.E. Audibert, "Quality in Soil Borings Makes a Difference," *Oil & Gas Journal,* June 1981, pp. 133-139.
14. R.G. Bea, A.R. Dover and J.M.E. Audibert, "Pile Foundation Design Considerations for Deepwater Fixed Structures," *Proc. of the Third Int. Conf. on Behavior of Off-Shore Structures,* BOSS '82, Hemisphere Publishing Company, New York, 1982, pp. 125-140.
15. R.G. Bea and J.M.E. Audibert, "Offshore Platforms and Pipelines in Mississippi River Delta," *J. Geotechnical Engineering Div.,* ASCE, Vol. 106, no. GT8, Aug. 1980, pp. 853-869.
16. R.G. Bea, J.M.E. Audibert, and M.R. Akky, "Platforms in Earthquakes," *Oil & Gas Journal,* three-part series, March 1981: (1) "Offshore Platform Elastic Response is Analyzed," pp. 135-139, March 9, 1981; (2) "Inelastic Earthquake Response of Offshore Platforms Evaluated," pp. 84-90, March 16, 1981; (3) "Performance of Superstructure and Substructure Elements are Analyzed," pp. 163, 166, 168, 170, 172, March 23, 1981.
17. R.G. Bea, S.G. Wright, P. Sinclair and A.W. Niedoroda, "Wave-Induced Slides in South Pass Block 70, Mississippi Delta," *Proc. Geotechnical Engineering Div.,* ASCE, April 1983, pp. 619-644.

18. R.G. Bea, "Application of Reliability Methods in Design and Analysis of Offshore Platforms." by the Committee on Reliability of Offshore Structures, *J. Structural Engineering,* ASCE, Vol. 109, no. 10, Oct. 1983, pp. 2265-2291.
19. R.G. Bea, "Hurricane Wave Height and Forces," *Oil & Gas Journal,* five-part series, September and October 1983: (1) "Design Criteria Overcorrected after Hurricane Hilda," Sept. 12, 1983, pp. 151-153; (2) "Deepwater Storm Waves Dissipate Across Continental Shelf," Sept. 26, 1983, pp. 100-102; (3) "Wave Height Attenuation Modeled by Computer Program for Shallow Water in Gulf," Oct. 10, 1983, pp. 114-120; (4) "Design Wave Forces Escalate to 100-Year Conditions to Consider Storms, Drag, Fouling," Oct. 24, 1983, pp. 95-99; (5) "Wave Force Design Program Offers Cost Saving," Nov. 7, 1983, pp. 112, 117-118, 120.
20. R.G. Bea and R.P. Aurora, "Design of Pipelines in Mudslide Areas," *J. Petroleum Technology,* Nov. 1983, pp. 1985-1995.
21. R.G. Bea, S. Nour-Omid, T.B. Coull, R.E. Potter and H.R. Bivens, "Innovative Foundations for a New Class of Arctic Structures," *J. Ocean Business,* Offshore, Dec.-Jan. 1983-84, 8 pp.
22. R.G. Bea, S.T. Hong and J.S. Mitchell, "Decision Analysis Approach to Offshore Platform Design," *J. Structural Engineering,* Vol. 110, no. 1, Jan. 1984, pp. 55-74.
23. R.G. Bea, "Foundations for Arctic Offshore Structures," *Marine Technology Society Journal,* Special Issue on Arctic Engineering, Vol. 18, no. 1, Sept. 1984, pp. 22-30.
24. R.G. Bea, "Loading Uncertainties in Extreme Waves," *Marine Structures,* 3: pp. 237-260 (England: Elsevier Science Publishers Ltd., 1990).
25. R.G. Bea and D. McDonald, "Reliability Evaluation of a Jack-Up Drilling Unit," *Transactions,* Society of Naval Architects and Marine Engineers, Vol. 98, 1990, pp. 169-186.
26. R.G. Bea, "Offshore Platform Reliability Acceptance Criteria," *Society of Petroleum Engineers Journal of Drilling Engineering,* June 1991, pp. 131-137.
27. R.G. Bea, S.F. Pawsey and R.W. Litton, "Measured and Predicted Waves Forces on Offshore Platforms," *Journal of Waterway, Port, Coastal and Ocean Engineering,* American Society of Civil Engineers, Vol. 117, no. 5, September/October 1991, pp. 511-532.
28. R.G. Bea, "Pile Capacity for Axial Cyclic Loading," *Journal of Geotechnical Engineering,* American Society of Civil Engineers, Vol. 118, no. 1, January 1992, pp. 34-50.
29. R.G. Bea and M.E. Paté-Cornell, "Management Errors and System Reliability: A Probabilistic Approach and Application to Offshore Platforms," *Journal of Risk Analysis,* Vol. 12, no. 1, 1992, pp. 1-18.
30. R.G. Bea, "Marine Structural Integrity Programs," *Journal of Marine Structures,* Vol. 7, Feb. 1994.
31. R.G. Bea, "Evaluation of Alternative Marine Structural Integrity Programs," *Journal of Marine Structures,* Vol. 7, Feb. 1994.
32. R.G. Bea, "Ship Structural Maintenance: Recent Research Results and Experience," *Transactions,* The Institute of Marine Engineers, Vol. 105, Part 5, Sept. 1993.
33. R.G. Bea, "Session VI Summary: Structures," *Applied Mechanics Reviews,* ASME Book No. AMR128, Vol. 46, no. 5, May 1993, pp. 227-228.
34. R.G. Bea, "Evaluation of Uncertainties in Loadings on Offshore Structures due to Extreme Environmental Conditions," *Journal of Offshore Mechanics and Arctic Engineering,* Vol. 115, November 1993.
35. R.G. Bea, C.A. Cornell, J.E. Vinnem, J.F. Geyer, G.J. Shoup, and B. Stahl, "Comparative Risk Assessment of Alternative TLP Systems: Structure and Foundation Aspects," *Journal of Offshore Mechanics and Arctic Engineering,* Vol. 116, May 1994.
36. R.G. Bea and W. Moore, "Management of Human Error in Operations of Marine Systems," *Marine Technology Society Journal,* Vol. 28, No. 1, Spring 1994.
37. H. Banon, B.G. Bea, F.J. Bruen, C.A. Cornell, W.F. Krieger and D.A. Stewart, "Assessing Fitness for Purpose of Offshore Platforms, I: Analytical Methods and Inspections," *Journal of Structural Engineering,* Vol. 120, No. 12, December 1994.
38. R.G. Bea and K. Roberts, "Human and Organization Factors in Design, Construction and Operation of Offshore Platforms," *Journal. of Society of Petroleum Engineers,* SPE 30899, Sept. 1995.
39. S.T. Staneff, C.W. Ibbs, and R.G. Bea, "Risk-Management System for Infrastructure-Condition Assessment," *Journal. of Infrastructure Systems,* ASCE, Vol. 1, No. 4, Dec. 1995.

40. R.G. Bea, "Nonlinear Performance of Offshore Platforms in Extreme Storm Waves," *J. of Waterway, Port, Coastal, and Ocean Engineering,* ASCE, Vol. 122, No. 2, March/April, 1996.
41. T. Mannarelli, K.H. Roberts and R.G. Bea, "Learning How Organizations Mitigate Risk," *J. of Contingencies and Crisis Management,* Vol. 4, No. 2, June 1996, pp. 83-92.
42. R.G. Bea, "Reassessment and Requalification of Infrastructure: An Application to Offshore Structures," *Jl. of Infrastructure Systems,* ASCE, Vol. 2, No. 2, June 1996.
43. R.G. Bea, "Human and Organization Errors in Reliability of Offshore Structures," *Transactions of the American Society of Mechanical Engineers,* Vol. 119, Feb. 1997.
44. R.G. Bea, M.M. Mortazavi and K.J. Lock, "Evaluation of Storm Loadings on and Capacities of Offshore Platforms," *Journal of Waterway. Port, Coastal, and Ocean Engineering,* American Society of Civil Engineers, Vol. 123, No. 2, March/April 1997.
45. R.G. Bea, K.J. Lock and P. L. Young, "Capacities of Template-Type Platforms in the Gulf of Mexico During Hurricane Andrew," *Journal of Offshore Mechanics and Arctic Engineering,* American Society of Mechanical Engineers, Vol. 119, Feb. 1997.
46. R.G. Bea and M.M. Mortazavi, "ULSLEA: A Limit Equilibrium Procedure to Determine the Ultimate Limit State Loading Capacities of Template-Type Platforms," *Journal of Offshore Mechanics and Arctic Engineering,* American Society of Mechanical Engineers, Vol. 118, Nov. 1996.
47. R.G. Bea and T. Xu, "Load Shedding of Fatigue Fracture in Ship Structures," *Journal of Marine Structures,* Vol. 10, Elsevier, 1997.
48. Lt. D. Boniface and R.G. Bea, "Assessing the Risks and Counter-measures for Human and Organizational Error," *Transactions,* American Society of Naval Architects and Marine Engineers, 1996.
49. R.G. Bea, "Human and Organization Factors: Engineering Operating Safety Into Offshore Structures," *Reliability Engineering and System Safety,* Vol. 52, Elsevier Science Limited, 1997.
50. T. Xu and R.G. Bea, "Fatigue of Ship Critical Structural Details," *Journal of Offshore Mechanics and Arctic Engineering,* American Society of Mechanical Engineers, May 1997, Vol. 119, pp. 96-107.
51. Ma, K.T., Orisamolu, I.R., Huang, R.T. and Bea, R.G. "Towards Optimal Inspection Strategies for Fatigue and Corrosion Damage," (1997) *Transactions of the Society of Naval Architects and Marine Engineers,* Jersey City, New Jersey.
52. Ying, J. and Bea, R.G. "Siting and Evacuation Strategies for Mobile Drilling Units in Hurricanes," *Journal of Marine Structures,* Elsevier Science Ltd., Kidlington, Oxford, UK, December 1997, Vol. II, pp. 1-27, Elsevier Science Ltd.
53. Xu, T. and Bea, R.G. "Fatigue of Cracked Ship Critical Structural Details: Cracked S-N Curves and Load Shedding," *International Journal of Offshore and Polar Engineering,* Vol. 8, No. 2, June 1998.
54. Bea, R.G., "Reliability Characteristics of a Platform in the Mississippi River Delta," *Journal of Geotechnical and Geoenvironmental Engineering,* American Society of Civil Engineers, Herndon, Virginia, August 1998, Vol. 124, No. 8.
55. Bea, R.G. and M. Mortazavi, "Reliability-Based Screening of Offshore Platforms," *Journal of Offshore Mechanics and Arctic Engineering,* Vol. 120, August, American Society of Mechanical Engineers, New York, New York, August 1998, pp. 139-148.
56. Bea, R.G., A. Brandtzaeg and J.K. Craig "Life-Cycle Reliability Characteristics of Minimum Structures," Vol. 120, August 1998, American Society of Mechanical Engineers, New York, New York.
57. Bea, R.G., "Human and Organization Factors: Engineering Operating Safety into Offshore Structures," *Reliability Engineering and System Safety,* 1998, Vol. 61, Elsevier Science Limited, London, UK.
58. Hee, D., B. Pickrell, R.G. Bea, K. Roberts, and B. Williamson, "Safety Management Assessment System (SMAS): A Process for Identifying and Evaluating Human and Organization Factors in Marine System Operations with Field Test Results," *Reliability Engineering & System Safety,* 1999, Vol. 65, Elsevier Science Limited, London, UK
59. Bea, R. G., T. Xu, J. Stear, and R. Ramos, "Wave Forces on Decks of Offshore Platforms," *Journal of Waterway, Port, Coastal, and Ocean Engineering,* May/June 1999, Vol. 125, No. 1, January-February, American Society of Civil Engineers, Herndon, Virginia.
60. Bea, R.G., Z. Jin, C. Valle and R. Ramos, "Evaluation of Reliability of Platform Pile Foundations," *Journal of Geotechnical and Geoenvironmental Engineering,* American Society of Civil Engineers, August 1999.

61. Bea, R.G. and H.P. Reeve, "SQIS: A Framework for the Development and Implementation of an Industry-Wide Ship Quality Information System," *Marine Technology,* Vol. 36, No. 2, April 1999, pp. 92-101.
62. Bea, R.G., "Reliability Based Earthquake Design Guidelines for Marine Structures," *Journal of Waterway, Port, Coastal and Ocean Engineering,* American Society of Civil Engineers, September/October 1999.
63. Bea, R.G., L. Lara, T. Hernandez, O. Valle, R. Ramos, H.Garcia, and E.Heredia-Zavoni, "Criterio Ttransitorio Para Diseno de Lineas Submarinas en la Sonda de Campeche," *Oil & Gas Journal Latinoamerica,* July and August, 1999, Vol. 5 No. 4.
64. R.G. Bea, D.D. Hee, B.D. Picrell, K.H. Roberts, and R.B. Williamson, "Safety Management Assessment System (SMAS): a process for identifying and evaluating human and organization factors in marine system operations with field test results," *Reliability Engineering & System Safety*, 65, 1999, pp. 125-140, Elsevier. (Contribution: 80%)
65. Bea, R.G., "Key Issues Associated with Development of Reassessment and Requalification Criteria for Platforms in the Bay of Campeche, Mexico," Introduction to Special Issue: "Reassessment and Requalification of Offshore Platforms," *Journal of Offshore Mechanics and Arctic Engineering,* American Society of Mechanical Engineers, February 2000, Vol. 122.
66. Bea, R.G., C. Smith and V. Valdes, "Requalification and Maintenance of Pipeline Infrastructures," *Journal of Infrastructure Systems,* American Society of Civil Engineers, Vol. 6, No. 3, September 2000, pp. 89-96.
67. Bea, R.G., "Criteria for Design and Requalification of Platforms in the Bay of Campeche, Mexico," *Journal of Waterway, Port, Coastal, and Ocean Engineering,* American Society of Civil Engineers, Vol. 126, No. 5, September/October 2000, pp. 254-262.
68. Bea, R.G., R. Iversen and T. Xu, "Wave-in-Deck Forces on Offshore Platforms," *Journal of Offshore Mechanics and Arctic Engineering,* Transactions of the American Society of Mechanical Engineers, Vol. 123, No. 1, February 2001, pp. 10-21.
69. Bea, R.G., and K. Roberts, "When Systems Fail," *Organizational Dynamics,* Winter 2001, Vol. 29, No. 3, pp. 179-191.
70. Bea, R.G., "Risk Assessment and Management of Offshore Structures," *Progress in Structure Engineering and Materials,* John Wiley & Sons, Ltd., 2001, Vol. 3, pp.1 -8.
71. Roberts, K.H. and R.G. Bea, "Must accidents happen? Lessons from high-reliability organizations,"*Academy of Management Executive,* 2001, Vol. 15, No. 3.
72. Bea, R.G., "Human and organizational factors in reliability assessment and management of offshore structures," *J. Risk Analysis, Society for Risk Analysis*, New York, 2002, Vol. 22, pp. 29-45.
73. Bea, R.G., "Risk Assessment and Management of Offshore Structures," *The Journal of the Safety and Reliability Society,* 2003, 23, 6-18.
74. Stoelsnes, Roger R. and R.G. Bea, "Uncertainty Management of General Conditions in a Project," *Risk Management: an International Journal,* 2005, Vol. 7, No. 2, pp. 19-35.
75. Asgarian, B., A. Aaghakouchack and R.G. Bea, "Inelastic Postbuckling and Cyclic Behavior of Tubular Braces," *Journal of Offshore Mechanics and Arctic Engineering*, 2005, Vol. 127, pp. 1-7.
76. Bea, R. G., "Reliability and Human Factors in Geotechnical Engineering," *Journal of Geotechnical and Geoenvironmental Engineering*, 2006, Vol. 132, pp. 631-643.
77. Farber, D.A., Bea, R. G., Roberts, K., Wenk, E., and Inkabi, K., "Reinventing Flood Control," *Tulane Law Review*, January 2007, pp. 1-29
78. Bea, R.G. (2007a). "Lessons from Failure of the Flood Protection System for the Greater New Orleans Area During Hurricane Katrina," Proceedings of 6th International Conference on Offshore Mechanics and Arctic Engineering, June 2007, ASME.
79. Bea, R.G. (2007b). "Reliability Assessment & Management Lessons from Hurricane Katrina," OMAE 2007-29650, Proceedings 6th Int. Conf. On Offshore Mechanics and Arctic Engineering, American Society of Mechanical Engineers, New York.
80. Bea, R.G. (2008a). "Failure of the New Orleans 17th Street Canal Levee & Floodwall During Hurricane Katrina," Proceedings of the Schmertmann Symposium: From Research to Practice, ASCE, March 2008.
81. Bea, R. G. (2008b). "Managing the Unpredictable," Mechanical Engineering, ASME, March.
82. Bea, R., Farber, D., Foster, H., Mitroff, I. and Roberts, K.H. (2008) "A New Approach to Risk: The Implications of E3." Submitted to: Risk Management: An International Journal.

83. Seed, R.B., Bea, R. G., Athanasopoulos, A.G., Boutwell, G.P., Bray, J.D., Cheung, C., Collins, B.D., Cobos-Roa, D., Harder, L.F., Kayen, R.E., Pestana, J.M., Porter, J., Reimer, M.F., Rogers, J.D., Storesund, R., Vera-Grunauer, X., and Wartman, J., (2007a) "Investigation of the Performance of the New Orleans Regional Flood Protection Systems During Hurricane Katrina: Lessons Learned," Proceedings Geo-Denver 2007, ASCE.
84. Seed, R.B., Bea, R.G., Athanasopoulos, A.G., Boutwell, G.P., Bray, J.D., Cheung, C., Collins, B.D., Cobos-Roa, D., Harder, L.F., Kayen, R.E., Pestana, J.M., Porter, J., Reimer, M.F., Rogers, J.D., Storesund, R., Vera-Grunauer, X., and Wartman, J., (2007b), "Investigation of Levee Performance in Hurricane Katrina: The Inner Harbor Navigation Canal," Proceedings Geo-Denver 2007, ASCE.
85. Seed. R.B., Bea, R.G., Athanasopoulos, A.G., Boutwell, G.P., Bray, J.D., Cheung, C., Collins, B.D., Cobos-Roa, D., Harder, L.F., Kayen, R.E., Pestana, J.M., Porter, J., Reimer, M.F., Rogers, J.D., Storesund, R., Vera-Grunauer, X., and Wartman, J. (2007c), "Investigation of Levee Performance in Hurricane Katrina: The New Orleans Drainage Canals," Proceedings Geo-Denver 2007, ASCE.
86. Seed, R.B., Bea, R.G., Athanasopoulos, A.G., Boutwell, G.P., Bray, J.D., Cheung, C., Cohen-Waeber, J., Collins, B.D., Cobos-Roa, D., Harder, L.F., Kayen, R.E., Moss, R.E.S., Pestana, J.M., Porter, J., Reimer, M.F., Rogers, J.D., Storesund, R., Vera-Grunauer, X., and Wartman, J.E., (2008a), "New Orleans & Hurricane Katrina: I – Introduction, Overview, and the East Flank," J. of Geotechnical and Geoenvironmental Engineering, May, ASCE.
87. Seed, R.B., Bea, R.G., Athanasopoulos, A.G., Boutwell, G.P., Bray, J.D., Cheung, C., Cohen-Waeber, J., Collins, B.D., Cobos-Roa, D., Harder, L.F., Kayen, R.E., Moss, R.E.S., Pestana, J.M., Porter, J., Reimer, M.F., Rogers, J.D., Storesund, R., Vera-Grunauer, X., and Wartman, J.E., (2008b), "New Orleans & Hurricane Katrina: II –The Central Region and the Lower Ninth Ward," J. of Geotechnical and Geoenvironmental Engineering, May, ASCE.
88. Seed, R.B., Bea, R.G., Athanasopoulos, A.G., Boutwell, G.P., Bray, J.D., Cheung, C., Cohen-Waeber, J., Collins, B.D., Cobos-Roa, D., Harder, L.F., Kayen, R.E., Moss, R.E.S., Pestana, J.M., Porter, J., Reimer, M.F., Rogers, J.D., Storesund, R., Vera-Grunauer, X., and Wartman, J.E., (2008c), "New Orleans & Hurricane Katrina: III – The 17th Street Drainage Canal," J. of Geotechnical and Geoenvironmental Engineering, May, ASCE.
89. *Seed, R.B., Bea, R.G., Athanasopoulos, A.G., Boutwell, G.P., Bray, J.D., Cheung, C., Cohen-Waeber, J., Collins, B.D., Cobos-Roa, D., Harder, L.F., Kayen, R.E., Moss, R.E.S., Pestana, J.M., Porter, J., Reimer, M.F., Rogers, J.D., Storesund, R., Vera-Grunauer, X., and Wartman, J.E., (2008d), "New Orleans & Hurricane Katrina: IV –The Orleans East Bank (Metro) Protected Basin," J. of Geotechnical and Geoenvironmental Engineering, May ASCE.

B. Refereed Conference Proceedings and Symposium Proceedings

1. R.G. Bea, "The Use of Digital Computers in Offshore Structure Analysis and Design," Symposium on Offshore Technology Operations, Paper No. SPE-AIME 143, May 1966, 7 pp.
2. R.G. Bea, "The Use of Digital Computers in Offshore Structure Analysis and Design," SPE-AIME Paper Preprint, Paper No. SPE 1413, Symposium on Offshore Technology Operations, New Orleans, LA, May 1966, 11 pp.
3. R.G. Bea, "Gulf of Mexico Hurricane Wave Heights," *Preprints, 6th Annual Offshore Technology Conference*, Houston, TX, May 6-8, 1974, OTC 2110, pp. 791-800.
4. R.G. Bea, "Development of Safe Environmental Criteria for Offshore Structures," *Conference Papers of Oceanology International 75 Conference*, Brighton, England, 1975, pp. 7-15.
5. R.G. Bea, "Parameters Affecting the Axial Capacity of Piles in Clays," *Preprints, 7th Annual Offshore Technology Conference*, Houston, TX, OTC 2307, May 1975, pp. 611-618.
6. R.G. Bea, M.I. Esrig and R.S. Ladd, "Material Properties of Submarine Mississippi Delta Sediments Under Simulated Wave Loadings," *Preprints, 7th Offshore Technology Conference*, Houston, TX, OTC 2188, May 1975, pp. 399-404.
7. R.G. Bea, "Earthquake Criteria for Platforms in the Gulf of Alaska" *Preprints, 8th Annual Offshore Technology Conference*, Houston, TX, OTC 2675, May 1976, pp. 657-669.
8. R.G. Bea, M.I. Esrig and R.C. Kirby, "Initial Development of a General Effective Stress Method for

Prediction of Axial Capacity for Driven Piles in Clay," *Preprints, 9th Annual Offshore Technology Conference,* May 1977, pp. 495-501.

9. R.G. Bea, P. Arnold, I.M. Idriss, R.B. Reimer, K.E. Beebe and P.W. Marshall, "A Study of Soil-Pile-Structure Systems in Severe Earthquakes," *Preprints, 9th Annual Offshore Technology Conference,* Houston, TX, OTC 2749, May 1977, pp. 189-199.
10. R.G. Bea and L.E. Garrison, "Bottom Stability as a Factor in Platform Siting and Design," *Preprints, 9th Annual Offshore Technology Conference,* OTC 2893, May 1977, pp. 127-133.
11. R.G. Bea, J.M.E. Audibert and J.B. Stevens, "Analyses for Pile Foundations," Workshop on Foundation Studies for Deepwater Platforms, Geotechnical Problems in Ocean Engineering, Specialty Session No. 7, *Proc. of 9th Int. ISSMFE Conf.,* Tokyo, Japan, July 11, 1977, 27 pp.
12. R.G. Bea and N.W. Lai, "Hydrodynamic Loadings on Offshore Platforms," *Preprints, 10 Annual Offshore Technology Conference,* Houston, TX, OTC 3064, May 1978, pp. 155-164.
13. R.G. Bea, "Engineering Fixed Offshore Platforms to Resist Earthquakes," *Proc. ASCE Specialty Conference on Earthquake Engineering and Soil Dynamics,* Pasadena, California, June 1978, pp. 1357-1385.
14. R.G. Bea, J.M.E. Audibert and N.W. Lai, "Design of Pipelines to Resist Sea Floor Instabilities and Hydrodynamic Forces," ASME Publication 78-Pet-37, presented at the Energy Technology Conference & Exhibition, Houston, Texas, Nov. 1978, pp. 1-12.
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