BIOGRAPHICAL DATA

BRIAUD, Jean-Louis **February 2023**

University Distinguished Professor
Holder of Spencer J. Buchanan Chair
Zachry Department of Civil Engineering
Texas A&M University
College Station, Texas 77843-3136
Tel: (979) 845-3795
Fax: (979) 845-6554

E-MAIL: briaud@tamu.edu
Birth Date: 1949
Birthplace: La Rochelle, France
Citizenship: USA
Marital Status: Married
Number of Children: Two

PROFESSIONAL INTERESTS:

Scour and Erosion	Unsaturated Soil Mechanics	Compaction Control
Embassy protection	Foundation Engineering	In situ Testing
Roadside safety	Shrink-Swell Clays	Field Testing
Pavement Engineering	Retaining Structures	Soil Mechanics
	Risk Analysis	

EDUCATION:

- Ph.D., Geotechnical Engineering, University of Ottawa, Canada, 1979.
- M.S., Geotechnical Engineering, University of New Brunswick, Canada, 1974.
- Engineer Degree, Civil Engineering, E.S.T.P. - Paris, France, 1972.
- Baccalaureat en Mathematique, Lycee Fromentin, France, 1966

EXPERIENCE:

Educational

- Distinguished Professor, Texas A&M University, 2015-present
- Spencer J. Buchanan Chair in Civil Engineering, Texas A&M University, 2002-present.
- Director, US National Geotechnical Experimentation Site (TAMU) for NSF and FHWA, 1992-present.
- Spencer J. Buchanan Professorship in Civil Engineering, Texas A&M University, May 1992-2002.
- Area Leader, Geotechnical Engineering and Surveying, Texas A&M University, 1988-1993.
- Manager, Geotechnical and Geoenvironmental Engineering Program, Texas Transportation Institute, 1989-Present.
- Professor of Civil Engineering, Texas A&M University, 1986-Present.
- Engineer, Laboratoire Central des Ponts et Chaussees, France, Academic Study Leave, January-May 1988.
- Halliburton Associate Professor of Civil Engineering, Texas A&M University, 1982-1985.
- Associate Professor, Civil Engineering, Texas A&M University, 1982-1986.
- Assistant Professor, Civil Engineering, Texas A&M University, 1978-1982.
- Teaching Assistant, University of Ottawa, Canada, 1976-1978.
- Lecturer, University of New Brunswick, Canada, 1974-1976.
- Teaching Assistant, University of New Brunswick, Canada 1972-1974.

Industrial

- Geotechnical Consulting Work (1974-present) - Both in Canada and in the USA on various

topics including slope stability, highway embankments, oil tank foundations, deep foundations, shallow foundations, docking facilities, tunnels, pressuremeter testing onshore and offshore, scour of foundations.

- President, Briaud Engineers, 1982-present.

PROFESSIONAL LICENSES:

Registered Professional Engineer, Texas No. 48690. Granted 17 February 1981.

SOCIETY MEMBERSHIPS:

American Society of Civil Engineers (1978-present)
Canadian Geotechnical Society (1976-1988, 2003-2005)
American Society for Testing and Materials (1985-1992)
International Society of Soil Mechanics and Foundation Engineering (1980-present)
American Society of Foundation Engineers (1990-present)

HONORS, AWARDS, LISTINGS AND PATENTS:

2022 Jennings Lecture, South Africa, December 2022
2022 Terzaghi Oration, India, Oct 2022
2019 President of the American Society of Civil Engineers – 2020 President Elect, 2021 President, 2022 Past President
2018 Geo-Legend national selection by students, interview in GeoStrata Magazine.
2018 Symposium held and book created in honor of Professor Briaud, Orlando March 2018
2016 The Thomas A. Middlebrooks award for best paper (Bridge Scour), ASCE Geo-Institute
2015 The Cross USA Lecture Award, ASCE Geo-Institute
2015 University Distinguished Professor, Texas A&M University
2015 Regents Fellow Award: Texas A&M University System
2014 Distinguished Member Award: American Society of Civil Engineers
2014 to 2018 President of the Federation of International Geoengineering Societies (ISSMGE, ISRM, IAEG, IGS) 2014-2018.
2013 The Honorable Aitalyev Medal from Kazakhstan
2013 The 2013 Louis Menard Honor Lecture of ISSMGE.
2013 The 2013 Jorge Osterberg Lecture Award of the Deep Foundation Institute.
2012 The 2012 Michael O'Neill Lecture, "Foundations for light buildings on shrink-swell soils", Houston Texas, USA.
2011 Russian Academy of Natural Sciences – US Section.
2009 to 2013 Keynote lectures around the world estimated at 60 Lectures in 60 countries.
2009 to 2013 President of the International Society of Soil Mechanics and Geotechnical Engineering.
2009 The 2009 Charles W. Hair Memorial Lecture, "Levee Overtopping and Intelligent Compaction", Louisiana ASCE Section, ASCE, New Orleans, 24 September 2009.
2009 The 2009 Hal Hunt Lecture, "Technical Communications: Philosophy and Humor", Deep Foundation Institute Congress, DFI, 22 October 2009.
2008 President of the Geo-Institute of ASCE.
2008 Keynote Lecture at the 4th Int'l Conf. on Scour and Erosion, Tokyo, November 2008.
2007 Ralph B. Peck Lecture Award, ASCE.
2006 Martin S. Kapp Foundation Engineering Award, ASCE.
2006 32nd Martin S. Kapp Lecture, ASCE New York Met Section.

BIOGRAPHICAL DATA

2006 G.G. Meyerhof Foundation Engineering Award, Canadian Geotechnical Society.
2006 Keynote Lecture at the 3rd Int'l Conf. on Scour and Erosion, Amsterdam, November 2006.
2006 Treasurer of the Geo-Institute of ASCE.
2005 Keynote Lecture at the Deep Foundation Institute Annual Congress, Chicago, September 2005.
2005 Invited Lecture at the International Conference on "The Pressuremeter", Paris, August 2005.
2005 Chair of Opening Session of the ICSMGE in Osaka, Japan, September 2005.
2004 Member of the Board of Governors of the Geo-Institute of the Geo-Institute of ASCE.
2004 Invited Lecture in Singapore (November 2004) at the Second International Conference on Scour and Erosion.
2004 Keynote Lecture delivered in Tunisia (February 2004) on "Bridge Scour Risk and Predictions" at the Conference on Risks in Civil Engineering.
2003 President of USUCGER (American Association of Geotechnical Engineering Professors)
2003 Invited Lecture delivered in Toronto, Canada (April 2003) to the Ontario Section of the Canadian Society of Geotechnical Engineers on Scour at Bridges.
2003 Invited Lecture delivered in Porto, Portugal (June 2003) at the University of Minho on Scour at Bridges.
2003 Invited Lecture delivered in Paris, France (November, 2003) at the International Symposium on Shallow Foundations.
2002 Invited Lecture at the First International Conference on Scour of Foundations.
2002 Invited Lecture in Paris at The Ecole National des Ponts et Chaussees in the Navier Amphitheater.
2002 Spencer J. Buchanan Chair, Texas A&M University.
2001 Member of the Board of USUCGER.
2001 Invited Lecture in Istanbul (August 2001) at the International Conference on Soil Mechanics and Geotechnical Engineering on the topic of "USA Practice for Scour Prediction at Bridges".
2001 Invited lecture at the National ASCE convention in Houston (October 2001) on the topic of "Predicted and Measured Movements of Footings on Expansive Soils".
2001 Chair the international committee on "Geotechnics of Soil Erosion " of the International Society of Soil Mechanics and Geotechnical Engineering".
2000 Chair of the First International Conference on Scour of Foundations.
1999 Invited Keynote Lecturer - Korean National Geotechnical Conference - Scour Rate at Bridge Piers, Seoul, Korea, March 27, 1999.
1999 Special International Lecture on Scour Rate at Bridge Piers, Japanese Geotechnical Society, Tokyo, Japan, March 31, 1999.
1999 Special International Lecture – Institute for Geomechanics and Materials – Recent Advances in Retaining Structures, Beirut, Lebanon, August 27, 1999.
1999 Special International Lecture – Institute of Civil Engineers – Load Settlement Curve for Spread Footing Design, Sao Paulo, Brazil, May 17, 1999.
1999 The 1999 Ardaman Lecture – The University of Florida – Pressuremeter: Recent Advances, Gainesville, Florida, February 1999.
1998 The TTI/Zachry Senior Researcher Award.
1998 ASCE - Texas Section - Best of Sessions Award for the paper "Shrink Test for Predicting Heave and Shrink Movements".
1997 Chair, International Society for Soil Mechanics and Geotechnical Engineering, Technical Committee on Scour of Foundations.
1995 Who's Who Among America's Teachers.

BIOGRAPHICAL DATA

1995 Invited Lecture on Pressuremeter Method for Spread Footings on Sand, 4th International Symposium on the Pressuremeter, Montreal, Canada.
1994 ASCE Citation for one of the 14 best papers in Geotechnical Engineering.
1994 ASCE Citation for one of the ten most published authors in Civil Engineering.
1994 Two invited plenary session lectures on Spread Footing Foundations at the 1994 ASCE conference in College Station, TX.
1993 Promoted to the rank of Fellow in the American Society of Civil Engineers.
1993 Zachry Award for Excellence in Teaching, Department of Civil Engineering, Texas A&M University.
1993 International Who's Who of Intellectuals.
1992 Spencer J. Buchanan Professorship, Texas A&M University, 1992-present.
1992 Selected as the 1992 Cross Canada Lecturer by the Canadian Geotechnical Society. Gave 10 lectures across Canada in November 1992 from British Columbia to New Brunswick.
1990 Texas A&M University, TEES Fellow Award for Significant Contributions in Engineering Research.
1988 ASCE, Texas Section, Best of Session Award for the Paper "Measured and Predicted Axial Response of 98 Piles".
1988 Texas A&M University, TEES Fellow Award for Significant Contributions in Engineering Research.
1987 The 1987 Walter L. Huber Civil Engineering Research Prize, American Society of Civil Engineers, for notable achievements in Civil Engineering research.
1987 Special Service Award, American Society for Testing and Materials, as Chair of the 2nd International Symposium on the Pressuremeter and Editor of the Proceedings.
1986 ASCE Citation for one of the ten best papers in Geotechnical Engineering.
1986 Invited state-of-the-art lecture on Pressuremeter and Foundation Engineering at ASCE Specialty Conference in June 1986.
1985 Halliburton Award of Excellence, Texas A&M University for Outstanding Achievement and Professionalism in Education, Research, and Service to Students.
1983 ASCE, Texas Section, Best of Session Award for the Paper "Pressuremeter p-y curve Method for Static Laterally Loaded Piles".
1983 ASCE, Texas Section, H.B. Hawley Award for Best Paper of the Year in Civil Engineering for the paper "Pressuremeter P-y Curves Method for Static Laterally Loaded Piles".
1981 American Society for Testing and Materials, Hogentogler Award for Best Paper of the Year in Geotechnical Engineering.
1978 Annual Student Forum - Canadian Geotechnical Society, Ottawa, Canada.
1978 National Research Council Scholarship, Canada.

COMMERCIAL ENDEAVORS:

- The BCD (Briaud Compaction Device) - patent no: US7299686B2 (November 27, 2007)
- The EFA (Erosion Function Apparatus) - patent no.: US6260409B1 (July 17, 2001)
- TAMU-OMS, TAMU-FLOW, TAMU-SLAB, TAMU-POST, TAMU-MEANDER: software programs.
- The TEXAM Pressuremeter: sold commercially for foundation design by ROCTEST, Inc., Plattsburg, New York, since1982.

- The PENCEL: sold commercially for pavement design by ROCTEST, Inc., Plattsburg, New York, since 1980.
- The WAK test and the LATWAK test: Impact tests for foundation evaluation.

PROFESSIONAL SERVICE:

United States University Council on Geotechnical Education & Research

Past President, 2006
President, 2003-2005
Board Member, 2001-2003
Member, 1985-present.

American Society of Civil Engineers

President of ASCE, Oct 2020 – Oct 2021
Technical Region Director of ASCE, 2015-2018
President of the Geo-Institute of ASCE, 2008-2009
President Elect of the Geo-Institute of ASCE, 2007-2008
Treasurer of the Geo-Institute of ASCE, 2006-2007
Member of the Board of Governors of the Geo-Institute of ASCE, 2004-present
Chair, ASCE-GeoInstitute Committee on Geotechnics of Soil Erosion, 2003-2005
Member, Residential Structures on Expansive Soils, National Committee, 1993-present.
Chair, Organizing Committee, SETTLEMENT '94, ASCE Specialty Conference.
Chair, Committee on Shallow Foundations, 1990-1994.
Control Group Member, Deep Foundations, National Committee, 1986-1995.
Control Group Member, Shallow Foundations, National Committee, 1986-1988.
Director, Brazos Branch, 1983-1985.
Chair, Continuing Education, Texas Section, 1983-1984.
Member, Shallow Foundations, National Committee, 1982-1986.
President, Brazos Branch, 1982-1983.
Chair, Geotechnical Engineering Division, Texas Section, 1982-1983.
Vice President, Brazos Branch, 1981-1982.
Vice Chair, Geotechnical Engineering Division, Texas Section, 1981-1982.
Secretary-Treasurer, Geotechnical Engineering Division, Texas Section, 1980-1981.

International Society of Soil Mechanics and Foundation Engineering

President of the Federation of International Geoengineering Societies (ISSMGE, ISRM, IAEG & IGS) 2014-2018.
President of International Society for Soil Mechanics and Geotechnical Engineering, 2009-2013.
Chair, International Committee ISSMGE – TC33 Geotechnics of Soil Erosion, 2005-2009
Chair, International Committee ISSMGE – TC33 Geotechnics of Soil Erosion, 2001-2005
Chair, First International Conference on Scour of Foundations, 2002
Chair, International Committee ISSMGE - TC33 Scour of Foundations, 1997-2001
Chair, International Committee ISSMGE - TC33 Geotechnics of Soil Erosion, 2001-2009
Member, 1980-present.
Member of the International Committee on Pressuremeters and Dilatometers, 1990-1994.
Member of the International Committee on Ground Property Characterization from In-situ

Testing, 1994-present.

Comite Francais de Mecanique des Sols, France

Member, 1977-1986

American Society for Testing and Materials

Chair, Pressuremeter Testing, National Committee, 1983-1991.
Member, Marine Geotechnics, National Committee, 1983-1991.
Chair, Organizing Committee, Second International Symposium on the Pressuremeter, Texas A&M University, 1986.
Member, Sampling and Related Field Testing, National Committee, 1981-1991.
Member, Deep Foundations, National Committee, 1981-1991.
Member, Hogentogler Award Committee, 1981-1985.

Transportation Research Board, National Research Council

Member, Hydraulic, Hydrology, Water Quality, National Committee, 2001-present
Member, Scour Research Subcommittee, (1997-present)
Member, Foundation of Bridges and other Structures, National Committee, 1984-1996.
Chair, Subcommittee on Shallow Foundations, Committee on Foundations of Bridges and other Structures, National Committee, 1990-1996.

COURSES TAUGHT

Introduction to Civil Engineering
Soil Improvement and Geosynthetics
Slope Stability and Retaining Walls
Theoretical Soil Mechanics
Site Investigations in Geotechnical Engineering
Case Histories in Geotechnical Engineering
Foundations Engineering
Geotechnical Engineering Design
Introduction to Geotechnical Engineering
Elementary Structural Analysis
Strength of Materials
Applied Mechanics
Written and Oral Communications for Engineers

GRADUATE STUDENTS (1978-2018)

100 Master students, 62 PhD advised (54 Chair, 6 Co-Chair, 6 Chair-failed).

MASTER STUDENTS

1.	Jung Tsan Hung, M.S.,	1981.
2.	Larry Tucker, M.S.,	1982.
3.	Mike Meriweather, M.S.,	1982.
4.	Enrique Galand, M.S.,	1983.
5.	Gerald Jordan, M.E.,	1983.
6.	Hubert Porwoll, M.S.,	1983.

7.	Jee Anderson, M.S.,	1983.
8.	Stewart Kling, M.E.,	1983.
9.	Bill Lawson, M.S.,	1984.
10.	Ken Riner, M.S.,	1984.
11.	Linda Huff, M.E.,	1984.
12.	Tim Braswell, M.S.,	1984.
13.	Anwar Noubani, M.E.,	1985.
14.	Dario Perdomo, M.S.,	1985.
15.	Tom Terry, M.S.,	1985.
16.	Chi Min Kon, M.S.,	1988.
17.	K. C. Gan, M.S.,	1988.
18.	Robert Little, M.S.,	1988.
19.	Mark Kubena, M.S.,	1989.
20.	Mohamed Quraishi, M.S.,	1989.
21.	Rick Dupin, M.S.,	1989.
22.	Zadir Algurjia, M.S.,	1989.
23.	J. Liu, M.S.,	1990.
24.	A. Abu-Bakar, M.S.,	1991.
25.	Christophe Broncard, M.S.,	1991.
26.	Jerome Miran, M.E.,	1991.
27.	Jim Maxwell, M.S.,	1991.
28.	Marc Ballouz, M.S.,	1991.
29.	Mark Mazoch, M.S.,	1991.
30.	Philippe Jeanjean, M.S.,	1991.
31.	Rajan, Viswanathan, M.E.,	1991.
32.	Randy Bush, M.S.,	1991.
33.	Adel Chaouch, M.S.,	1992.
34.	Bill Powers, M.S.,	1992.
35.	Karim Khalaf, M.S.,	1992.
36.	Laurent Boursin, M.S.,	1992.
37.	Moon Kyung Chung, M.S.,	1992.
38.	Christian Guillin, M.S.,	1993.
39.	Matt Marcontell, M.E.,	1993.
40.	Robert Gibbens, M.S.,	1993.
41.	Todd Swoboda, M.E.	1993.
42.	George Nasr, M.E.,	1994.
43.	Julien Kouchner, M.S.,	1994.
44.	Pramod Katta, M.E.,	1994.
45.	Tom Posey, M.S.,	1994.
46.	Chengcai Tao, M.S.,	1995.
47.	David Baroi, M.E.,	1995.
48.	Srini Donthireddy, M.S.,	1995.
49.	Bertrand Philogene, M.E.,	1996.
50.	Phyllis McAdoo, M.S.,	1996.
51.	Alfonso Soto, M.E.,	1997.
52.	Stacey Hoffman, M.E.,	1997.
53.	Abdul Suroor, M.E.,	1998.

54. Heemun Park, M.E., 1998.
55. Jayson Barfknecht, M.E., 1998
56. Colin Moffett, M.E., 1999.
57. Cristi Cuellar, M.E., 1999.
58. Jong-Hyub Lee, M.E., 1999.
59. Kook-Hwan Cho, M.E., 1999.
60. Patrick Beecher, M.E., 1999.
61. Seung-Woon Han, M.E., 1999.
62. Byoung-Jae Mun, M.E., 2000.
63. Christopher May, M.E., 2000.
64. Khaled Chowdhury, M.E., 2000.
65. Adil Shah, M.E., 2001.
66. Libby Hungerford, M.E., 2001.
67. Saifur Rahman, M.E., 2001.
68. Siyoung Park, M.E., 2001.
69. Yiwen Cao, M.E., 2001.
70. Hunsoo-Ha, M.E., 2002.
71. Keungyoung Rhee, M.E., 2002.
72. Nick Jaynes, M.E., 2002.
73. Byoung-Jae Mun, M.E., 2003.
74. Cassie Rutherford, M.E., 2004.
75. Youngan Chung, M.E., 2004.
76. Sumee Khanna, M.E. 2005.
77. Matt Miller, M.E., 2005.
78. Jennifer Nicks, M.E., 2005.
79. Brad Smith, M.E., 2008.
80. Renu Kulkarni, M.E., 2008.
81. Lumani Sigdel, M.E., 2008.
82. Colin Darby, M.E., 2009.
83. Michelle Bernhardt, M.E., 2009.
84. Stacey Tucker, M.E., 2010.
85. Deeyvid Saez, M.E., 2010.
86. Oswaldo Bravo, M.E., 2010.
87. Carlos Fuentes, M.E., 2011.
88. Ghassan Akrouch, M.S., 2011.
89. Dohyun Kim, M.E., 2013.
90. Axel Montalvo, M.E., 2013.
91. Layal Maddah, M.E., 2014.
92. Charles Magbo, M.E., 2014.
93. Mabel Chedid, M.E., 2015.
94. Joseph D. Muhirwa, M.E., 2015.
95. Suleyman Bulbul, M.E., 2016.
96. Jacob Garza, M.E., 2016.
97. Zihan Zhang,M.S., 2018
98. Mifrokah Haniffa, M.S., 2019
99. Prashant Patil, M.S., 2019
100. Samar Bou Semaan, M.E., 2019

101. Jerome Sfeir, M.E., 2021

PHD STUDENTS

1. Trevor Smith, Ph.D., 1983.
2. Chaidir Makarim, Ph.D., 1985.
3. Guy Felio, Ph.D., 1985.
4. Paul Cosentino, Ph.D., 1985.
5. Sangseom Jeong, Ph.D., 1992.
6. Marc Ballouz, Ph.D., 1993.
7. Adel Chaouch, Ph.D., 1994.
8. Krishna Goparaju, Ph.D., 1994.
9. Nak-Kyung Kim, Ph.D., 1994.
10. Philippe Jeanjean, Ph.D., 1995.
11. Kabir Hossain, Ph.D., 1996.
12. Yu-Jin Lim, Ph.D., 1996.
13. George Nasr, D.E., 1997.
14. Rao Gudavalli, Ph.D., 1997.
15. Suresh Perugu, Ph.D (DNF) 1997.
16. David Baroi, Ph.D., 1998.
17. Seung-Woon Han, Ph.D., 1999.
18. Kiseok Kwak, Ph.D., 2000.
19. Prahoro Nurtjahyo, Ph.D.-Co, 2002.
20. Sang-Ho Moon, Ph.D., 2003.
21. Xiong Zhang, Ph.D., 2003.
22. Ya Li, Ph.D., 2003.
23. J. B. Seo, Ph.D., 2003.
24. Jun Wang, Ph.D., 2003.
25. Yanfeng Li, Ph.D., 2004.
26. Namgyu Park, Ph.D., 2005.
27. Remon Melek, Ph.D., 2005.
28. Wei Wang, Ph.D., 2005.
29. Seung Jae Oh, Ph.D., 2006.
30. Xingnian Chen, Ph.D.,-Co 2006.
31. Kangmi Kim, Ph.D., 2008.
32. Keunyoung Rhee, Ph.D.,(DNF) 2008.
33. Anand Govindasamy, Ph.D., 2009.
34. Ok-Youn Yu, Ph.D., 2010.
35. Jennifer Nicks, Ph.D., 2010.
36. Seok Gyu Lim, Ph.D., 2011.
37. Deeyvid Saez, Ph.D., 2012.
38. Congpu Yao, Ph.D., 2013.
39. Dohyun Kim, Ph.D. (DNF), 2013.
40. Stacey Tucker, Ph.D., 2013.
41. Oswaldo Bravo, Ph.D. (DNF), 2014.
42. Alireza Mirdamadi, Ph.D., 2014.
43. Negin Yousefpour, Ph.D-Co., 2014.

44.	Mojdeh Pajouh, Ph.D.,	2015.
45.	Mohammed Aghahadi, Ph.D.,-Co	2014.
46.	Ghassan Akrouch, Ph.D.,	2014.
47.	Seokyung Lee, Ph.D. (DNF),	2016.
48.	Gang Bi, Ph.D.,-Co	2016.
49.	Inwoo Jung, Ph.D.,	2016.
50.	Mohsen Madhavi, Ph.D.,-Co	2016.
51.	Somayeh Rezaei Tafti, Ph.D.,	2017.
52.	Layal Maddah, Ph.D.,	2018.
53.	Mohammadreza Keshavarz, Ph.D.,	2018.
54.	Iman Shafii, Ph.D.,	2018.
55.	Mabel Chedid, Ph.D.,	2019.
56.	Anahita Goudarzi, Ph.D.,	2019.
57.	Mostafa Bahmani, Ph.D.,	2020.
58.	Mark Yen-Chih Wang Ph.D.,	2020.
59.	Mohammad Mahdavi, Ph.D.,	2021.
60.	Yue Chen, Ph.D., Co-	2021.
61.	Anna Shidlovskaya, PhD.	2021.
62.	Anna Timchenko, PhD.	2021.
63.	Erick Cruz, PhD.	2023.
64.	Jerome Sfeir, PhD	2024.
65.	Sheila Arias-Roman, PhD - DNF	2024.
66.	Tehseena Ali, PhD.	2025.

BOOKS

Book (authored)

1. **BRIAUD, J.-L.,** 2013, "Geotechnical Engineering: unsaturated and saturated soils", John Wiley and Sons, New York, USA.
2. **BRIAUD, J.-L.,** 1992, "The Pressuremeter", Taylor and Francis, London, UK.

Books (edited and book chapters)

3. **CHEN, H.-C., BRIAUD, J.-L**., editors, Proceedings of the First international Conference on Scour of Foundations, November 2002, Texas A&M University, USA.
4. **BRIAUD, J.-L.,** editor, Proceedings, Symposium on Scour of Foundations held in Melbourne, Australia, Dpt. of Civil Engineering, Texas A&M University, College Station, Texas, USA, 2000.
5. **BRIAUD, J.-L., GIBBENS, R.M**., editors, Predicted and Measured Behavior of Five Spread Footings on Sand, ASCE Geotechnical Special Publication No. 41, June 1994.
6. **BRIAUD, J.-L.,** editor, Foundations for Transmission Line Towers, ASCE Geotechnical Publication No. 8, Atlantic City meeting, April 1987.
7. **BRIAUD, J.-L., AUDIBERT, J.M.E.,** editors, "The Pressuremeter and Its Marine Applications," ASTM STP 950, May 1986.
8. **BRIAUD, J.-L**., editor, Proceedings, Geotechnical Engineering Sessions held in Corpus Christi, Texas on March 18-19, 1983, Texas Section, San Antonio, 1983.
9. **ARSON, C., BERNS, E., AKROUCH*, G., SANCHEZ, M., BRIAUD, J.-L**., 2013, "Heat Propagation around Geothermal Piles and Implications on Energy Balance", Chapter 11 in

Materials and processes for energy: communicating current research and technological developments, Energy Book Series - 2013 Edition, Publisher: Formatex Research Center.

10. **AKROUCH*, G., SANCHEZ, M., BRIAUD, J.-L**., 2013, "Energy Geostructures in Cooling-Dominated Climates", Chapter 9 in Energy geostructures: innovation in underground engineering, Publisher: Iste-Wiley.
11. **BRIAUD J.-L., SAEZ D.**, 2015, "Chapter 9: Recent Developments in Soil Compaction" (pp. 275-308) in Ground Improvement Case Histories: Compaction, Grouting, and Geosynthetics edited by Indraratna B., Chu J., Rujikiatkamjorn C., pp. 778, Elsevier, UK.

REFEREED JOURNALS PUBLICATIONS

*** INDICATES A GRADUATE STUDENT OF PROF. BRIAUD**

12. **SHAFII* I., MEDINA-CETINA Z., SHIDLOVSKAYA* A., BRIAUD J.-L.**, 2022, "Relationship between Soil Erodibility and Soil Properties" Journal of Geotechnical and Geoenvironmental Engineering, November 2022, © ASCE, ISSN 1090-0241
13. **KIM* H.S., CHEN H.-C., BRIAUD J.-L**., 2022, "Numerical Simulation of Scour Hole Backfilling in Unidirectional Flow", Journal of Hydraulic Engineering, 148(7): 04022013 © ASCE, ISSN0733-9429.
14. **SHIDLOVSKAYA* A., BRIAUD J.-L**., 2023, "Improvements In Test Procedure And Data Reduction For The Borehole Erosion Test", Geotechnical Testing Journal, ASTM, Philadelphia.
15. **SHIDLOVSKAYA* A., BRIAUD J.-L.**, 2023, "Erosion Mitigation Using Grass, Riprap, Lime, and Enzymes, Journal of Geotechnical and Geoenvironmental Engineering, ASCE.
16. **BRIAUD, J.-L.,** 2021, "40 years of full-scale infrastructure testing at a national site: clay site", International Journal of Geoengineering Case Histories, Vol. 6, Issue 3, p.1-24. doi: 10.4417/IJGCH-06-03-01, International Society of Soil Mechanics and Geotechnical Engineering.
17. **BRIAUD, J.-L.,** 2021, "40 years of full-scale infrastructure testing at a national site: sand site", International Journal of Geoengineering Case Histories, Vol. 6, Issue 3, p.25-53. doi: 10.4417/IJGCH-06-03-02, International Society of Soil Mechanics and Geotechnical Engineering.
18. **WANG*, Y., BRIAUD, J.** (2021). Large Diameter Piles Under Lateral Loading – A Database Study, International Journal of Geoengineering Case Histories, Vol. 6, Issue 2, p.41-66. doi: 10.4417/IJGCH-06-02-03 International Society of Soil Mechanics and Geotechnical Engineering.
19. **MEDINA-CETINA Z., YOUSEFPOUR N.*, BRIAUD J.-L.,** 2020, "Probabilistic Evaluation of Unknown Foundations for Scour-Susceptible Bridges" ASCE Journal of Bridge Engineering, Vol. 25, Issue 10, October 2020.
20. **BAHMANI M., BRIAUD J.-L**., 2020, "Settlement of Shallow Foundations on Sand – A Database Study", International Journal of Geoengineering Case Histories, Volume 6, Issue 2, pp. 1-17, doi: 10.4417/IJGCH-06-02-01
21. **SHAFII* I., SHIDLOVSKAYA A., BRIAUD J.L**., 2019, "Investigation into the Effect of Enzymes on the Erodibility of a Low-Plasticity Silt and a Silty Sand by EFA Testing" *Journal of Geotechnical and Geoenvironmental Engineering*, Volume 145 Issue 3 - https://doi.org/10.1061/(ASCE)GT.1943-5606.0002019.

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49. **GOPARAJU, K., BRIAUD, J.-L.**, "The Team Method - A Statistical Approach for Improved Reliability of Pile Capacity Prediction," FHWA Research Report, Civil Engineering, Texas A&M University, July 1994.
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58. **BALLOUZ, M.L., BRIAUD, J.-L.**, "Latwak: An Impact Test to Obtain the Lateral Static Stiffness of Piles," Civil Engineering, Texas A&M University, December 1993.
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71. **MAZOCH, M.E., BRIAUD, J.-L.**, "Construction Techniques of Drilled and Grouted Piles for Deep Offshore Platforms: A Critical Assessment," Research Report to oil companies, Civil Engineering, Texas A&M University, January 1992.
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111. **BRIAUD, J.-L., TUCKER, L.M., DOUGLAS, B.J.**, "Pressuremeter, Cone Penetrometer and Foundation Design," Short Course Notes, Volume 1 and 2, August 1984.
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130. **BRIAUD, J.-L.**, "The Pressuremeter Application to Pavement Design," Ph.D. dissertation, Civil Engineering, University of Ottawa, Ottawa, Canada, 1979.
131. **BRIAUD, J.-L.**, "Development of Peat Mechanics at UNB, 1971-73," Master of Science thesis, Civil Engineering, University of New Brunswick, Fredericton, Canada, 1974.

VIDEOTAPES

1. **BRIAUD, J.-L.,** editor "Turning Disaster into Knowledge" by Jonathan D. Bray: The Twenty-Fifth Buchanan Lecture, Department of Civil Engineering, Texas A&M University, October, 2017.
2. **BRIAUD, J.-L.,** editor "Bio-Geo-Alchemy: Biogeotechnical Carbonate Precipitation for Hazard Mitigation and Ground Improvement" by Edward Kavazanjian: The Twenty-Fourth Buchanan Lecture, Department of Civil Engineering, Texas A&M University, October, 2016.
3. **BRIAUD, J.-L.,** editor "Katrina in Your Rearview Mirror" by William F. Marcuson, III: The Twenty-Third Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2015.
4. **BRIAUD, J.-L.,** editor "Landfill Covers: Water Balance, Unsaturated Soils, and a Pathway from Theory to Practice" by Craig H. Benson: The Twenty-Second Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2014.
5. **BRAIUD, J.-L.,** editor "Importance of Undrained Behavior in the Analysis of Soil-Structure Interactions" by Andrew J. Whittle: The Twenty-First Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2013.
6. **BRIAUD, J.-L.,** editor, "Active Risk Management in Geotechnical Engineering" by W. Allen Marr: The Twentieth Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2012.
7. **BRAIDU, J.-L.,** editor, " Cold War Legacy – Design, Construction, and Performance of a Land-Based Radioactive Waste Disposal Facility" by Rudolph Bonaparte: The Nineteenth Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2011.
8. **BRIAUD, J.-L.,** editor, "Forensic Diagnosis for Sire-Specific Ground Conditions in Deep Excavations of Subway Constructions" by Kenji Ishihara: The Eighteenth Buchanan Lecture, Department of Civil Engineering, Texas A&M University, December, 2010.
9. **BRIAUD, J.-L.,** editor, "Some Applications of Soil Dynamics" by Jose M. Roesset: The Seventeenth Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2009.
10. **BRIAUD, J.-L.,** editor, "The Increasing Roles of Seismic Measurements in Geotechnical Engineering" by Kenneth H. Stokoe: The Sixteenth Buchanan Lecture, Department of Civil

Engineering, Texas A&M University, November, 2008.

11. **BRIAUD, J.-L.,** editor, "Pile response to liquefaction and lateral spreading: field observations and current Research" by Ricardo Dobry: The Fifteenth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2007.
12. **BRIAUD, J.-L.,** editor, "In-Situ Testing, Soil Structure Interaction, and Cost Effective Foundation Design", by Clyde N. Baker, Jr: The Fourteenth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2006.
13. **BRIAUD, J.-L.,** editor, "Soil-Structure Interaction Under Extreme Loading Conditions", by Thomas O'Rourke: The Thirteenth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, October, 2005.
14. **BRIAUD, J.-L.,** editor, "Slurries in Geotechnical Engineering", by Raymond Krizek: The Twelfth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, October, 2004.
15. **BRIAUD, J.-L.,** editor, "Exploring the Limits of Unsaturated Soil mechanics: The Behavior of Coarse Granular Soil and Rockfill", by Eduardo Alonso, The Eleventh Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2003.
16. **BRIAUD, J.-L.,** editor, "The World Trade Center: Construction, Destruction, and Reconstruction", by Arnold Aronowitz, The Tenth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2002.
17. **BRIAUD, J.-L.,** editor, "Geosynthetics for Soil Reinforcement", by Robert Holtz, The Ninth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2001.
18. **BRIAUD, J.-L.,** editor, "Foundation Settlement Analysis – Practice Versus Research", by Harry Poulos, The Eighth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 2000.
19. **BRIAUD, J.-L.,** editor, "Factors of Safety and Reliability in Geotechnical Engineering", by Mike Duncan, The Seventh Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November, 1999.
20. **BRIAUD, J.-L**., editor, "The Enigma of the Leaning Tower of Pisa," by John B. Burland, The Sixth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, December, 1998.
21. **BRIAUD, J.-L.**, editor, "The Selection of Soil Strength for a Stability Analysis," by T. William Lambe, The Fifth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November 1997.
22. **BRIAUD, J.-L.,** editor, "The Emergence of Unsaturated Soil Mechanics," by Delwyn G. Fredlund, The Fourth Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November 1996.
23. **BRIAUD, J.-L.**, editor, "The Role of Soil Mechanics in Environmental Geotechnics," by James K. Mitchell, The Third Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, November 1995.
24. **BRIAUD, J.-L.**, editor, "Evolution of Safety Factors and Geotechnical Limit State Design," by G. Geoffrey Meyerhof, The Second Spencer J. Buchanan Lecture, Department of Civil Engineering, Texas A&M University, October 1994.
25. **BRIAUD, J.-L.**, editor, "The Coming of Age of Soil Mechanics: 1920-1970," by Ralph B. Peck, First Spencer J. Buchanan Lecture, Civil Engineering, Texas A&M University, October 1993.

26. **BRIAUD, J.-L.**, "Downdrag on Piles and the Use of Bitumen Coating," 17 minutes, Civil Engineering, Texas A&M University, 1994.
27. **BRIAUD, J.-L.**, "The Pressuremeter," 30 minutes, Civil Engineering, Texas A&M University, 1988.

PRESENTATIONS AND INVITED LECTURES

1. Bridge scour, Kansas ASCE section, Kansas City, 20April2017
2. High Speed Train Geotechnics, Transportation Conference, St Petersburg, Russia, 18April2017
3. St Isaac Cathedral: A case history International conference on soil mechanics and geotechnical engineering, Seoul, Korea, 20Sept2017
4. The Federation of International Geo-Engineering Societies, International conference on soil mechanics and geotechnical engineering, Seoul, Korea, 21Sept2017
5. The Washington Monument: A case history, ASCE Convention New Orleans, 10Oct2017
6. Cross USA Award Lecture: Technical Communications: Humor and Philosophy, University of Illinois, Urbana-Champaign, Illinois 6-Feb-16
7. Cross USA Award Lecture: Geotechnical Risk: what is acceptable?, Pittsburg ASCE group, Pittsburg, Pennsylvania, 25-Feb-16
8. Cross USA Award Lecture: Geotechnical Risk: what is acceptable? Case Western University and ASCE local group, Cleveland, Ohio, 26-Feb-16
9. Cross USA Award Lecture: Stiffened slabs on grade on shrink swell soils, University of California, Berkeley and ASCE local group, Berkeley, California 29-Feb-16
10. Cross USA Award Lecture: Bridge scour, University of Washington, Seattle, Washington, 1-Mar-16
11. Cross USA Award Lecture: Bridge scour, University of Alaska, Fairbanks, 3-Mar-16
12. Cross USA Award Lecture: Large mats under high loads, Delaware Valley ASCE Group, Valley Forge, Pennsylvania15-Mar-16
13. Cross USA Award Lecture: Pressuremeter and foundation design Florida Institute of Technology Melbourne, Florida, 21-Mar-16
14. Cross USA Award Lecture: Unsaturated soil behavior for the practicing engineer, Georgia lighting and power, Atlanta, Georgia, 22-Mar-16
15. Cross USA Award Lecture: Large mats under high loads St Louis ASCE group St Louis, Missouri, 28-Apr-16
16. Cross USA Award Lecture: Geotechnical Risk: what is acceptable?, University of Arkansas, Fayetteville, Arkansas, 29-Apr-16
17. Cross USA Award Lecture: High speed train geotechnics, San Diego ASCE Chapter and Group Delta San Diego, California 7-Jul-16
18. St. Petersburg, Russia, University of Mines, "Behavior of Two Large Mats under Heavy Load", December 2015
19. College Station, Texas, Texas A&M University Student Chapter of Geo-Institute, "Geotechnical Risk: What is acceptable?", October 2015
20. Houston, Texas, Houston Hydrographic Society, "Scour at bridges", October 2015
21. San Marcos, Texas, Civil Engineering Conference, "Engineering Risk: What is acceptable?", October 2015
22. Ann Arbor, Michigan, University of Michigan, "Scour at bridges", September 2015
23. Blacksburg, Virginia, Virginia Tech University, "Geotechnical Risk: What is acceptable?",

September 2015

24. Houston, Texas, Foundation Performance Association, “Shrink-swell soils and the design of foundation for light buildings”, August 2015
25. Houston, Texas, Fugro Consultants, Inc., “Pressuremeter and Foundation Design”, July 2015
26. Pittsburgh, Pennsylvania, American Society of Civil Engineers, “Embassy protection against terrorist trucks”, April 2014
27. Blacksburg, Virginia, Virginia Tech Geotech Faculty and Students, “Observation method for bridge scour”, April 2014
28. Houston, Texas, American Society of Civil Engineers – Houston Chapter, “The San Jacinto monument: a case history”, May 2014
29. Shanghai, China, GeoShanghai China 2014, “Bridge Scour”, May 2014
30. Saint Petersburg, Russia, ISSMGE Technical Committee 207, Int’l Conference: Soil Structure Interaction, Underground Structures and Retaining Walls, “Lecture: Retaining Walls: Design and Measurements, Short course: Pressuremeter and Geotechnical Engineering”, June 2014
31. Hanoi, Vietnam, National University of Civil Engineering, “Lecture 1: Design of MSE wall reinforcement and barriers against truck impact, Lecture 2: Behavior of two large mats under high loads Washington monument & San Jacinto monument.” Feb 2013
32. Bangkok, Thailand, Engineering Institute of Thailand, “Levee erosion by overtopping”, February 2013
33. London, United Kingdom, Imperial College, “ISSMGE: Status report”, March 2013
34. Naples, Italy, Second Int’l Symposium on Geotechnics for the Preservation of Monuments and Historical Sites, “The Washington monument: behavior of a large mat under high load”, May 2013
35. Khartoum, Sudan, International Seminar on Construction on Weak Rocks, “Lecture 1: Unsaturated soil behavior for the practicing engineer. Lecture 2: Design of stiffened slabs-on-grade on shrink-swell soils”, June 2013
36. Paris, France, 18th Int’l Conference on Soil Mechanics and Geotechnical Engineering, “Louis Menard Lecture: The Pressuremeter Test: expanding its use”, also ISSMGE: State of the Society“, Sept 2013
37. Saint Petersburg, Russia, “Lecture 1: Transport University, Anchored walls: full scale experiment and design, Lecture 2: National Mineral Resources University, Unsaturated soil behavior and applications, Lecture 3: National Mineral Resources University, The pressuremeter: expanding its use”, Nov 2013.
38. Omaha, Nebraska, The 2013 Jorge Osterberg Lecture: “Impact load tests for embassy protection against terrorists”, July 2013.
39. The Third Young African Geotechnical Engineering Conference, Keynote Lecture, “Unsaturated soils for practicing engineers”, November2012, Cairo, Egypt.
40. International Conference on Ground Improvement and Ground Control: Transport Infrastructure Development and Natural Hazards Mitigation, Keynote Lecture, “Intelligent compaction”, October2012, Wollongong, Australia.
41. 4th Central Asian Geotechnical Symposium, Keynote Lecture, “Bridge scour”, September2012, Samarkand, Uzbekistan.
42. IS-Kanazawa 2012: The 9th Int'l Conference on Testing and Design Methods for Deep Foundations, Keynote Lecture, “Protection of embassies against terrorist trucks”, September2012, Kanazawa, Japan.

43. Baltic Piling Days 2012, Keynote Lecture, "Unsaturated soils for practicing engineers", August2012, Tallinn, Estonia.
44. 6th International Conference on Scour and Erosion (ICSE-6), Keynote Lecture, "Bridge scour risk", September2012, Paris, France.
45. ANZ 2012 Conference - Ground Engineering in a Changing World, Keynote Lecture, "MSE walls and barriers", July2012, Melbourne, Australia.
46. University of Auckland, Lecture, "Unsaturated soils for the practicing engineer", July 2012, Auckland, New Zealand.
47. International Scientific and Practical Seminar on Geotechnical Engineering: The development of cities and Geotechnical Engineering, Keynote Lecture, "Behavior of two heavily loaded large mats", July2012, St Petersburg, Russia.
48. Third International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, Keynote Lecture, "Pressuremeter and foundation engineering", June 2012, Nicosia, North Cyprus.
49. University of Istanbul, Lecture, "Top down retaining walls", Istanbul, Turkey, June 2012.
50. Int'l Symposium on Ground Improvement, Keynote Lecture "MSE walls and barriers", June2012, Brussels, Belgium.
51. 12th Baltic Sea Geotechnical Conference, Keynote Lecture "Bridge scour", May2012, Rostock, Germany.
52. Nigeria Geotechnical Conference, Keynote Lecture "Intelligent compaction", 30April2012, Lagos, Nigeria.
53. University of Houston Civil Engineering Conference, The 2012 Michael O'Neill Lecture, "Foundations for light buildings on shrink-swell soils", 1March2012, Houston Texas, USA.
54. Symposium of the Balkan Region – Landslide and Geo-Engineering, Keynote Lecture: "*Slope Failure Overtopping Erosion, Slope Failure by Loss of Water Tension, Excavation Retaining Walls",* Tirana, Albania, 18-21 October, 2011
55. Met with Professor Ulitsky and Dr. Lisyuk, Keynote Lecture: "*Foundation Engineering Practice in the USA: A state of the art",* St. Petersburg, Russia, 8-10 September, 2011
56. Geotechnical Engineers Seminar, *Behavior of Two Large Mats under High Loads and Excavation Support using Deep Soil Mixing",* Bucharest, Romania, 6-8 September, 2011
57. Grand Opening of the Lebanese Geotechnical Society as a new member of ISSMGE, Keynote Lecture: "*Behavior of Two Large Mats under High Loads",* Beirut, Lebanon 4-6 September 2011
58. European Young Geotechnical Engineers Conference, Keynote Lecture: "*Unsaturated Soil Behavior for Practicing Engineers",* Rotterdam, Netherlands. 4-6 September, 2011
59. 11th China Soil Mechanics and Geotechnical Engineering Conference, Keynote Lecture: "*Bridge Scour & Levee Overtopping",* Lanzhou, China, 14-19 August, 2011
60. 2011 Geohunan International Conference II, Keynote Lecture: "*Bridge Scour",* Changsha, China, 8-11 June, 2011
61. 14th Asian Regional Conference on Soil Mechanics & Geotechnical Engineering, Keynote Lecture: "*Downdrag on Uncoated and Bitumen Coated Piles",* Hong Kong, China, 20-25 May, 2011
62. 3rd Int'l Conference on Geotechnical Engineering for Disaster Mitigation & Rehabilitation 2011, Keynote Lecture: "*Design of MSE Wall Reinforcement and Barriers against Truck Impact",* Semarang, Indonesia, 17-20 May, 2011
63. Met with Geotechnical Engineers, Keynote Lecture: "*Unsaturated Soil behavior for the Practicing Engineer",* Zurich, Switzerland, 12-13 May, 2011

64. 17th Széchy Memorial Session, Keynote Lecture: "*Unsaturated Soil Behavior and the Practicing Engineer",* Budapest, Hungary, 10-12 February, 2011
65. Memorial Event for Dr. Leonardo Zeevaert, Keynote Lecture: "*Downdrag on Uncoated and Bitumen Coated Piles",* Mexico City, Mexico, 19-21 January, 2011
66. Peru International Seminar, Keynote Lecture: "*Unsaturated Soils: Some Fundamentals and Some Application*", Lima Peru, 5-7 January, 2011

67.	Dubai, UAE	2010 Piling & Deep Foundations Middle East	Keynote Lecture
68.	Seoul, Korea	2010 Korean Geotechnical Society Ann.Cong.	Keynote Lecture
69.	Haiti, Dominican	2010 Seminar on Foundations to help Haiti	Lecture
70.	San Diego, USA	2010 CalGeo Annual Conference.	Keynote Lecture
71.	Taipei, Taiwan	2010 17th S. Asian Geotechnical Conf.	Keynote Lecture
72.	Brno, Czech Republic	2010 20th European Young Geotech. Eng. Conf.	Keynote Lecture
73.	Bratislava, Slovakia,	2010, XIV Danube-European Conf. on Geotech Eng.	Keynote Lecture
74.	Moscow, Russia	2010 Geotechnical Challenges in Magacities Conf.	Keynote Lecture
75.	Pretoria, S. Africa	2010 International Seminar	Lecture
76.	Gramado, Brazil	2010 Brazilian Conference on SMGE	Keynote Lecture
77.	Barcelona, Spain	2010 Int'l Conf. on Unsaturated Soils	Keynote Lecture
78.	Hammamet, Tunisia	2010 2nd Int'l Conf. on Geotechnical Engineering	Keynote Lecture
79.	Tehran, Iran	2010 4th Int'l Conference on GESM	Keynote Lecture
80.	Dhaka, Bangladesh	2010 Bangladesh Geotechnical Conf.	Keynote Lecture
81.	San Francisco, USA	2010 Int'l Confon Scour and Erosion	Keynote Lecture
82.	Acapulco, Mexico	2010 Mexican National Conference	Keynote Lecture
83.	San Antonio, USA	2010 Int'l Bridge Engineering Conf	Keynote Lecture

84. The 2009 Charles W. Hair Memorial Lecture, "Levee Overtopping And Intelligent Compaction", Louisiana ASCE Section, ASCE, New Orleans, 24 September 2009
85. The 2009 Hal Hunt Lecture, "Technical Communications: Philosophy and Humor", Deep Foundation Institute Congress, DFI, 22 October 2009
86. Keynote Lecture at the 4th Int. Conf. on Scour and Erosion, Tokyo, November 2008
87. The 9th Ralph B. Peck Lecture at the Geo-Institute Congress of ASCE in Denver on February 19, 2007 on the topic of "Case Histories in Soil and Rock Erosion"
88. The Keynote Lecture at the 2007 Canadian Geotechnical Society National Conference in Ottawa on October 23, 2007 on the topic of "Katrina and Levee Erosion by Overtopping"
89. Invited Lecture delivered in Madrid, Spain at the occasion of a short course on Bridge Scour on April 19, 2007
90. Keynote Invited Lecture delivered in Amsterdam, The Netherlands (November 2006) on "Levee Erosion by Overtopping During the Katrina Hurricane", Third International Conference on Scour and Erosion
91. Martin Kapp Award Lecture delivered in New York City (December 2006) on "Recent Contributions to Foundation Engineering", New York Met Section of ASCE
92. Keynote Invited Lecture delivered in Paris, France (August 2005) on "The Preboring Pressuremeter: Some Contributions" at the International Conference on The Pressuremeter
93. Keynote Invited Lecture at the Deep Foundations Institute Annual Congress in Chicago (September 2005) on "Bridge Scour"
94. Chair of the Opening Session at the International Conference on Soil Mechanics and Geotechnical Engineering (September 2005).
95. Invited Lectures in Albuquerque (New Mexico), Irvine (California), Denver (Colorado).
96. Lectures in Austin (Texas), Boston (Massachussetts), Osaka (Japan), Montreal (Canada),

Washington (DC)

97. Keynote Lecture delivered in Tunisia (February 2004) on "Bridge Scour Risk and Predictions" at the Conference on Risks in Civil Engineering.
98. Invited Lecture delivered in Singapore (November 2004) on "Bridge Scour Predictions" at the Second International Conference on Scour and Erosion.
99. Invited Lecture delivered in Guatemala (August 2004) on "Unsaturated Soils and Associated Foundation Problems" to the faculty and students of the Universidad Francisco Marroquín in Guatemala City
100. Lectures delivered in the USA during 2004 (Washington, Orlando, Arizona State University, Austin, Iowa, San Antonio, Auburn University) on various research results
101. Invited Lecture delivered in Toronto, Canada (April 2003) to the Ontario Section of the Canadian Society of Geotechnical Engineers on Scour at Bridges
102. Invited Lecture delivered in Porto, Portugal (June 2003) at the University of Minho on Scour at Bridges
103. Invited Lecture delivered in Paris, France (November, 2003) at the International Symposium on Shallow Foundations
104. Lecture delivered in Recife, Brasil (March 2002) at the International Conference on Unsaturated Soils Mechanics
105. Invited Lecture delivered in Paris at the Ecole Nationale des Ponts et Chausees (September 2002) on the topic of "Some Recent Research in Soil Structure Interaction at Texas A&M University"
106. Lecture delivered in Nice, France (September, 2002) at the International Conference on Geosynthetics on the topic of "Geosynthetics Reinforced Pile Supported Embankments"
107. Invited lecture at the National ASCE convention in Houston (October 2001) on the topic of "Predicted and Measured Movements of Footings on Expansive Soils"
108. Invited lecture delivered in Istanbul (August 2001) at the International Conference on Soil Mechanics and Geotechnical Engineering on the topic of "USA Practice for Scour Prediction at Bridges"
109. Invited lectures delivered in the USA during 2001 (Las Vegas, San Antonio, Baltimore, Madison, Raleigh, Minneapolis)
110. Invited Lecture entitled "The National Geotechnical Experimentation Sites at Texas A&M University" presented at the ASCE Specialty Conference on Performance Confirmation of Constructed Geotechnical Facilities held at the University of Massachusetts April 9-12, 2000 in Amherst, Massachusetts
111. Invited Lecture entitled "Predicting Scour at Bridge Piers" presented at the 18th Central Pennsylvania Geotechnical Conference held in Hershey, Pennsylvania on November 1-3, 2000.
112. Two Lectures entitled "The SRICOS Method: a Summary" and "The EFA Erosion Function Apparatus: an Overview" presented at the international Symposium on Scour of Foundations held in Melbourne Australia on November 19, 2000
113. Lecture entitled "Scour at Bridge Piers" presented at the 53rd Canadian Geotechnical Conference held in Montreal, Canada, on October 15-18, 2000
114. Lecture entitled "Measuring the Erodibility of Cohesive Soils" presented at the ASCE Water Resources Engineering and Water Resources Planning & Management Conference held July 30-August 2, 2000 in Minneapolis, Minnesota
115. Lecture entitled "The VERT Wall: a new Concept in Retaining Walls" presented at the ASCE Houston Branch on May 16, 2000.

116. Invited Keynote Lecture at the 1999 Korean National Geotechnical Conference in Seoul, Korea, on the topic of "Scour Rate at Bridge Piers," March 1999.
117. Special International Lecture, Japanese Geotechnical Society, in Tokyo, Japan on the topic of "Scour Rate at Bridge Piers," March 1999
118. The 1999 Ardaman Lecture, University of Florida, in Gainesville, Florida on the topic of "The Pressuremeter: Recent Developments," February 1999
119. The 1999 Special International Lecture at the Institute for Geotechnics and Materials in Beyrout, Lebanon in August 1999 on the topic of "Recent Developments in Retaining Walls"
120. Invited Lecture sponsored by the Brasilian Geotechnical Society at the Institute of Civil Engineers in Sao Paulo, Brasil in May 1999 on the topic of "Load Settlement Method for Spread Footing Design"
121. Predicting Scour Rate at Bridge Piers, Minnesota DOT, Minneapolis, Minnesota, June 1999
122. Predicting Scour Rate at Bridge Piers, University of Auckland, Auckland, New Zealand, September 1999
123. Predicting Scour Rate at Bridge Piers, ASCE National Conference, Seattle, August 1999.
124. Predicting Scour Rate at Bridge Piers, University of Michigan, Ann Arbor, Michigan, October 1999
125. Predicting Scour Rate at Bridge Piers, Deep Foundation Institute, Detroit, Michigan, October 1999
126. Earthquake Retrofitting of Bridges, MAE annual meeting, St Louis, Missouri, December 1999
127. "Shrink Test for Predicting the Shrink - Swell Movement of Soils," ASCE Texas Section meeting, Dallas, Texas, September 1998
128. "SRICOS: prediction of Scour Rate in Cohesive Soils at Bridge Piers," ASCE Texas Section meeting, Dallas, Texas, September 1998
129. "PREMISS: Phase Relationship for Moisture Induced Swell in Soils," American Society of Civil Engineers - Texas Section, Fort Worth, October 1997 and American Society of Civil Engineers - Houston Branch, Houston, September 1997
130. "Demonstration of the TAMU Shallow Foundation Data Base," International Conference on Soil Mechanics and Foundation Engineering, Hamburg, Germany, September 1997
131. "Downdrag on Piles and Reduction with Bitumen," Invited Lecture American Society of Civil Engineers - Los Angeles Section, Los Angeles, June 1997
132. "Beam Column Method for Tieback Walls," Invited Lecture University of California at Los Angeles, Los Angeles, June 1997
133. "Pier Scour in Cohesive Soils," Texas Department of Transportation meeting, Arlington Texas, June 1997
134. "Grouted Anchors Should Have Short Tendon Bond Length," Invited Lecture at the International Association of Foundation Drilling, Dallas, September 1996
135. "Heave Equation and Data Base for Expansive Clays," American Society of Civil Engineers, Texas Section Meeting, September 1996
136. "Downdrag on Piles and Reduction With Bitumen," Invited Lecture at the New York ASCE Section, New York, November 1995
137. "In Situ Testing to Improve Foundation Design," Invited Lecture at the U.S. Army Corps of Engineers, Vicksburg, March 1995.
138. "Pressuremeter Method for Spread Footings on Sand," Invited Lecture, 4th International Symposium on the Pressuremeter, Montreal, Canada, May 1995
139. "The National Geotechnical Experimentation Sites at Texas A&M University," Transportation Research Board, Washington, January 1995

140. "Load Settlement Curve Method for Spread Footings on Sand," Invited Lecture, ASCE, Los Angeles Section, November 1994
141. "Tests and Prediction Results for Five Large Spread Footings on Sand," Invited Lecture, ASCE Specialty Conference, Settlement >94, Texas A&M University, June 1994
142. "Load Settlement Curve Method for Spread Footings on Sand," Invited Lecture, ASCE Specialty Conference, Settlement >94, Texas A&M University, June 1994
143. "Research Needs in Shallow Foundations," Invited Presentation, Transportation Research Board, January 1993
144. "Spread Footing Design and Performance," Invited Lecture, 10th Annual International Bridge Conference (FHWA Seminar), Pittsburg, June 1993
145. "Driven Minicone for Driven Piles," ASCE Convention, Dallas, October 1993
146. "Drilled and Grouted Piles," ASCE Convention, Dallas, October 1993
147. Cross Canada Lecturer, 10 invited lectures across Canada from Victoria to Fredericton, on Downdrag on Piles, November 1992
148. In Situ Testing in North America," NSF invited lecture in Shanghai, China, September 1992
149. "Dynamic Testing of Foundations," MIT, Boston Society of Civil Engineers and University of Massachusetts, March 1992
150. "Pressuremeter, Cone Penetrometer, Dilatometer for Geotechnical Engineering, National University of Mexico, Mexico City, February 1992
151. "Downdrag on Bitumen Coated Piles," ASCE Convention, Orlando, October 1991
152. "Downdrag on Bitumen Coated Piles," Deep Foundation Institute, Chicago, October 1991
153. "Piles in Sand," American Petroleum Institute, Houston, September 1991
154. "The Pressuremeter: Some Special Applications," ASCE, Geotechnical Congress, Boulder, June 1991.
155. "Downdrag on Pile Groups: A Design Method," ASCE, Geotechnical Congress, Boulder, June 1991
156. "Pressuremeter, Cone Penetrometer, Dilatometer and Foundation Design," University of Carleton, Ottawa, Canada, June 1991
157. The Pressuremeter and Geotechnical Engineering," The Kersten Lecture, University of Minnesota, St. Paul, February 9, 1990
158. "OTC Presentation on API RP2a and on Integrity of Drilled and Grouted Piles," Offshore Technology Conference, Houston, May 199.
159. "The Pressuremeter and Geotechnical Engineering," ASCE, New York Section, Engineering Center, New York, December 12, 1989
160. "The Pavement Pressuremeter," U.S. Army Cold Regions Laboratory Lecture, March 6, 1989.
161. "NEWNEG: A Microcomputer Program for Downdrag on Piles," Foundation Engineering Congress, June 1989
162. "Nondestructive Testing of Foundations," Chairman of this TRB session, Washington, January 1991.
163. "The WAK Test to Check the Increase in Soil Stiffness Due to Dynamic Compaction," and Chairman of Session "Case Histories," Symposium on Geotechnics of Waste Fills - Theory and Practice, San Francisco, June 1990
164. "Capacity of Vibrated Piles Compared to Driven Piles" and "Development of Coatings to Combat Negative Friction," Deep Foundation Institute, Baltimore, November 1989
165. "Residual Stresses in Piles and Pile Groups," International Conference of Soil Mechanics and Foundation Engineering, Rio de Janeiro, August 1989

166. "Pile Foundation Practice," Chairman of this session at the 1989 ASCE Foundation Engineering Congress, June 1989
167. "Physical Modeling of Pile Foundation," Chairman of this session at the 1989 ASCE Foundation Engineering Congress, June 1989
168. "The WAK Test" and "Downdrag on Bitumen Coated Piles," Transportation Research Board A2K03 meeting, January 1989
169. "The Minipressuremeter for Designing Guardrail Posts," Transportation Research Board A2K04 meeting, January 1989
170. "The WAK Test: Wave Activated Stiffness (k) Test or Impact Test to Find Spread Footing Stiffness," ASCE Texas Section, Annual Meeting, College Station, 1988
171. Reporter and Chairman of a working group at the NSF sponsored workshop on National Sites for Geotechnical Experimentation
172. "Graduate Studies at Texas A&M University" at engineering schools in France, January-May 1988:
    Ecole Nationale des Ponts et Chaussees, Paris.
    Ecole Speciale de Travaux Public, Paris.
    Ecole Centrale, Paris.
    Institut National de Sciences Appliquees, Lyon.
    Ecole Centrale de Lyon, Lyon.
    Ecole Nationale des Travaux Publics, Lyon.
    Institut National des Sciences Appliquees, Toulouse.
173. Deep Foundation Research at Texas A&M University," Comite Francais de Mecanique des Sols, Paris, May 1988
174. "Cone Penetrometer Test and Piles in Stiff Clay," First International Symposium on Penetration Testing, Orlando, Florida, May 1988
175. "Cone Penetrometer Test and Shallow Foundations," Chairman of this session at the First International Symposium on Penetration Testing, Orlando, Florida, May 1988
176. "Cone Pressuremeter: Comparison Tests," First International Symposium on Penetration Testing, Orlando, Florida, May 1988
177. Update on Deep Foundation Research," USAE, Waterways Experiment Station, Vicksburg, June 1987.
178. "Horizontally Loaded Piles Next to a Trench," ASCE National Convention, Atlantic City, April 1987. Also Chairman of Session.
179. "Pressuremeter and Drilled Shafts Bearing in Rock," Texas Section ASCE meeting, Fort Worth, April 1987
180. "Use of In Situ Test for Design of Drilled Shafts," USAE, Waterways Experiment Station, Course on Expansive Clays, San Antonio, March 1987
181. "Geotechnical Research at Texas A&M University," National Science Foundation Workshop, Houston, March 1987
182. "Results of a 5 Pile Group Load Test," Transportation Research Board, January 1987.
183. "Measured and Predicted Response of 98 Piles," Member of Panel, ASCE National meeting, Houston, October 1986.
184. Director and speaker at the Texas A&M University Short Course on Microcomputer Programs for Geotechnical Engineering, 1985, 1986, 1987, 1988
185. Director and speaker at the Texas A&M University Short Course on Pile Driving Analysis and Drilled Shaft Integrity Testing, 1987, 1988

186. "Factors of Safety and Precision of Some Pile Capacity Methods," ASCE Convention, Boston, October 1986
187. "Pressuremeter and Foundation Design," University of California, Berkeley, February 1986.
188. "Current Geotechnical Research at Texas A&M University," University of Texas, Austin, March 1986
189. "Negative Skin Friction at the Keehi Interchange," Hawaii Highway Department and University of Hawaii, May 1986
190. Pressuremeter and Shallow Foundations," Corps of Engineers, Hawaii District, May 1986.
191. "Analysis of Existing Cyclic Vertical Pile Load Tests in Clay," Offshore Technology Conference, May 1986
192. "Rate of Loading Effect on Vertical and Horizontal Behavior of Piles," International Conference on Numerical Methods for Offshore Piling, France 1986
193. "Pressuremeter and Foundation Design," Invited state-of-the-art lecture, ASCE Specialty Conference, Blacksburg, Virginia, June 1986
194. "Pressuremeter and Deep Foundation Design," ASTM Symposium on the Pressuremeter and Its Marine Applications, Texas A&M University, College Station, Texas, May 1986.
195. "Pressuremeter Standard and Parameters," ASTM Symposium on the Pressuremeter and Its Marine Applications, Texas A&M University, College Station, Texas, May 1986
196. "Pressuremeter and Shallow Foundations on Sand," ASCE Convention, Seattle, April 1986.
197. "Pressuremeter and Shallow Foundations on Stiff Clay," Transportation Research Board meeting, Washington, January 1986
198. "Recent Research on Foundation Engineering at Texas A&M University," ASCE Geotechnical Engineering Committee on Shallow and Deep Foundations, Detroit, October 1985
199. "Piles in Dense Sand: A Discussion," International Conference on Soil Mechanics and Foundation Engineering, San Francisco, August 1986
200. "In Situ Testing and Drilled Shaft Design," U.S. Army Engineers, seminar in San Antonio, Texas, May 1985
201. "Use of In Situ Testing in Foundation Engineering," Southwestern Laboratories, Dallas, March 1985
202. "Precision of Pile Capacity Design Methods," Mississippi Highway Department, Jackson, Mississippi, February 1985
203. "Residual Stresses in Piles and the Wave Equation," ASCE Convention, San Francisco, October 1984
204. "Cyclic Rod Shear Tests in Clay," Texas Section, ASCE, Austin, Texas, March 1984.
205. "Behavior of Piles in Cohesionless Soils," United States Geological Survey, Washington, March 1984
206. "Behavior of Piles in Cohesionless Soils," United States Department of Transportation, Washington, March 1984
207. "Coefficient of Variation for In Situ Tests in Sand," ASCE Spring Convention, Atlanta, April 1984
208. "Loading Rate Parameters for Piles in Clay," Offshore Technology Conference, May 1984.
209. "Cyclic Pressuremeter Tests for Cyclic Lateral Loads," Offshore Technology Conference, May 1984
210. "Pile Foundations: Recent Developments," two lectures were given during a Canadian trip to University of New Brunswick and Nova Scotia Technical College
211. "Rate of Loading Effect on Pile Capacity," American Petroleum Institute Annual meeting, New Orleans, February 1984

212. ACyclic Vertical Loads on Piles from Wave Action," American Petroleum Institute, Houston, January 1984
213. "Pressuremeter Design of Laterally Loaded Piles,"Symposium on the Pressuremeter and Its Marine Applications, Paris, May 19, 1982
214. Offshore Technology Conference, Houston, May 1983
215. International Symposium on In Situ Testing, Paris, May 1983
216. Symposium on Laterally Loaded Piles, Kansas City, June 1983
217. Texas ASCE meeting, Corpus Christi, March 1983
218. "In Situ Tests and their Application in Offshore Design," ASCE Specialty Conference on Geotechnical Practice in Offshore Engineering, Austin, April 1983
219. "In Situ Tests for Design of Drilled Shafts," presented at the USAE, Waterways Experiment Station, short course on Foundations on Expansive Clay Soils, Vicksburg, May 1983
220. "Pile Foundations: Recent Developments," French Petroleum Institute, Paris, France, May 1983
221. "Pile Foundations: Recent Developments," Laboratoire Central des Ponts de Chaussees, Paris, France, May 1983
222. "Pile Foundations: Recent Developments," Centre de Recherche de L'ENPC, Paris, France, May 1983
223. "Pile Foundations: Recent Developments," Norwegian Geotechnical Institute, Oslo, Norway, July 1983
224. "Pile Foundations: Recent Developments," Det Norske Veritas, Oslo, Norway, July 1983
225. "Pile Foundations: Recent Developments," Stressprobe, Glasgow, Scotland, July 1983
226. "Pile Foundations: Recent Developments," Taylor Woodrow, London, England, July 1983
227. "Pile Foundations: Recent Developments," Building Research Establishment, London, England, July 1983
228. "Pile Foundations: Recent Developments," FUGRO B.V., Leidschendam, The Netherlands, July 1983
229. "Pile Foundations: Recent Developments," Delft Laboratory, Delft, The Netherlands, July 1983
230. "Driven Piles in Sand: Residual Stresses," University of Houston, Geotechnical Division Lecture Series, 1983
231. "Rate of Loading Effect on Pile Capacity," ASCE annual meeting, Houston, October 1983.
232. "Pressuremeter Design of Highway Related Foundations," presented toTexas Highway Department, College Station, Texas, November 1982
233. "Pressuremeter Design of Highway Related Foundations," Presented to Texas Highway Department, Waco, June 1983
234. "Influence of Residual Stresses on Pile Capacity in Sands," presented at the TRB meeting to the Deep Foundation Committee, 1983
235. "Methods for Analysis and Design of Offshore Pile Foundations," presented to ASCE Structures Congress, October 1982
236. "Pressuremeter Design of Pile Foundations: State-of-the-Art," ASCE meeting, Texas Section, Fort Worth, March 1982
237. Director and lecturer of short course, "The Pressuremeter, Cone Penetrometer, and Foundation Design," at Texas A&M University, 1981-1992 every year
238. Director and lecturer of short course, "The Pressuremeter, Cone Penetrometer, and Foundation Design," at the U.S. Army Engineers, Waterways Experiment Station, 1981, 25 participants, Vicksburg, Mississippi

239. Director and lecturer of short course, "The Pressuremeter, Cone Penetrometer, and Foundation Design," at Raba Kistner Consultants, San Antonio, 1981, 10 participants

RESEARCH PROJECTS – FUNDED

1. Rip rap for scour countermeasures – Sponsor: Texas DOT, Briaud = PI, 2020-2021, $65,000.
2. Erosion Study for Mississippi River Diversion, Sponsor: State of Louisiana "Coastal Protection and Restoration Authority", Briaud = PI, 2019-2020, $49,200
3. Erosion study for the Sacramento Levees, Sponsor: US Army Corps of Engineers, Briaud = PI, 2019-2020, $87,000
4. Consortium for Education and Research in Geo-Engineering Practice, Sponsor Geo-engineering Companies, PI: Briaud, 2017-2027, Briaud = $300,500.
5. Erodibility and soil properties, Sponsor NCHRP, PI: Briaud, 2016-2018, $300,000, Briaud = $200,000.
6. Horizontal behavior of large diameter piles. Sponsor Texas DOT. PI Briaud, 2017-2018, $65,000, Briaud = $65,000
7. TAMU-OMS – software development for bridge scour. Sponsor Texas DOT. PI Briaud, 2016-2017, $130,000. Briaud = $130,000.
8. Scour depth limits for bridges over water. Sponsor Texas DOT. PI Briaud, 2016-2018, $260,000. Briaud = $260,000
9. Non Destructive Testing of defective drilled shafts. Sponsor FHWA-City College of New York. PI Briaud, 2016, $12,000. Briaud = $12,000
10. Post grouted drilled shaft testing. Sponsor FHWA-ADSC. PI Briaud, 2016, $15,000. Briaud = $15,000.
11. Geothermal foundations. Sponsor Chancellor Area 41 program, PI Briaud. 2016. $25000.
12. Geothermal foundations. Sponsor Energy Institute, PI Briaud. 2016-2017. $30,000
13. Observation Method for bridge scour. Sponsor Massachusetts DOT. PI Briaud, 2015-2016. $110,000.
14. Erodibility of soils and relationship to soil properties. Sponsor NCHRP. PI Briaud, 2015-2018. $300,000
15. Minimizing Roadway Embankment Damage from Overtopping. Sponsor NCHRP. PI Briaud, 2014-2015. $40,000.
16. Borehole Erosion Test. Sponsor TTI. PI: Briaud, 2014-2015. $45,000.
17. High speed rail geotechnics. Sponsor Institute for Rail Safety. PI: Briaud, 2014. $40,000.
18. Observation method for bridge scour in Massachusetts. Sponsor Massachusetts DOT. PI Briaud, 2012-2013. $120,000.
19. Soil nailed walls in high plasticity soils. Sponsor TxDOT. PI Sanchez, Co-PI: Briaud, 2012-2014. $300,000. Briaud = $100,000.
20. Unknown foundations. Sponsor South West University Council. PI: Hurlebaus, Co-PI: Briaud. 2012-2014. $40,000. Briaud = $17,000
21. Railroads on shrink swell soils. Sponsor: American Association of Railroads, PI: Sanchez, Co-PI: Briaud. 2012-2014. $40,000. Briaud = $17,000
22. MSE Walls and drilled shafts: Sponsor: TxDOT. PI. Briaud, Co-PI: Sanchez, 2011-2013. $320,000. Briaud = $240,000
23. Meander Migration and Vertical Degradation. Sponsor: TxDOT, PI: Liu, Co-PI: Briaud, 1 MS student, 2011-2013. $300,000, Briaud = $80,000.

24. Unknown Foundation Detection for bridge scour: Sponsor: TxDOT, PI: Briaud, Co-PI: Medina and Hurlebaus, 3 PhD students, 2009-2011, $300,000. Briaud = $200,000
25. Protection of Embassies against Suicide Terrorist Trucks: Sponsor: Department of State, PI: Briaud and Alberson, 2 PhD students, 2 Master students, 2010-2012, $500,000. Briaud = $400,000
26. Design of Guard Rails at the Top of Mechanically Stabilized Earth Walls: Sponsor: NCHRP: PI: Bligh and Briaud, 2 PhD students, 2010-2012, $500,000. Briaud = $250,000
27. Scour monitors for scour critical bridges: Sponsor: TxDOT, PI: Briaud, Co-PI: Hurlebaus and Chang, $360,000, 2007-2010. Briaud = $240,000
28. Protection of Embassies against Suicide Terrorist Trucks: Sponsor: Department of State, PI: Alberson, Bligh, Co-PI Briaud, $300,000 Phase 1, 2007-2008. Briaud = $100,000
29. NAVFAC Manual on Scour: Sponsor: The Navy. PI: Briaud, $25,000, 2007-2008. We are writing the Chapter on scour for the NAVFAC manual.
30. The Eiffel Tower Case History: Sponsor: Buchanan Chair; PI: Briaud, unfunded, 2007.
31. Pointe du Hoc and Erosion Study of Normandy Cliffs. Sponsor: American Battle Monuments Commission, PI: Warden, Co-PI: Briaud and Everett, $434,000, 2006-2007. Briaud = $145,000
32. The Bump at the End of the Railroad Bridge. Sponsor: Association of American Railroad, PI: Briaud, $40,000, 2006.
33. The Washington Monument Case History. Sponsor: Spencer J. Buchanan Chair; PI: Briaud, $50,000, 2006-2007.
34. Simple Method for Estimating Scour: Sponsor: TxDOT, PI: Briaud, Co-PI: Chen, $230,000, 2005-2007. Govindasamy (PhD). Briaud = $154,000
35. Environmentally Friendly Foundation Systems for Oil Drilling Platforms: Sponsor: Dpt of Energy, PI: Burnett, Co-PI: Briaud, Theodori. Budget for 2005-2006 = $580,000 with $100,000 going to Briaud in CE.
36. Design of Guard Rails at the Top of Mechanically Stabilized Earth Walls: NCHRP: $500,000, 2004-2007, PIs: Blight and Briaud. Briaud = $250,000.
37. Abutment Scour in Cohesive Soils: NCHRP: $500,000, 2004-2008. PI: Briaud, Co-PI: Chen and Chang, Students: Chen (PhD), Oh (PhD), Devadason (M.E.). Briaud = $250,000
38. Deep Soil Mixing for Excavation Support: FHWA: $56,000, 2003-2004, Co-PI: Biscontin and Briaud, Student: Rutherford (ME). Briaud = $28,000
39. Briaud Compaction Device: NCHRP: $95,000, Buchanan Chair and TTI: $100,000, 2003-2007, PI: Briaud, Student: Li (PhD), Rhee (PhD). Briaud = $95,000
40. The Geogauge: FHWA, $97,000, 2001-2003, Briaud is PI, Student: Jaynes (ME), Rhee (ME).
41. The Bump at the End of the Bridge: TxDOT, $210,000, 2000-2001, Briaud is PI, Student: Seo (PhD).
42. Geosynthetics Reinforced Pile Supported Embankments: FHWA, $40,000, 2000-2002, Aubeny is PI, Briaud is Co-PI, Student: Li (PhD). Briaud = $17,000
43. Retrofit of Bridge Foundations for Earthquake Resistance: NSF through MAE, $180,000, 1998-2001, Briaud is PI, Hueste and Aubeny are Co-Pis, Students: Cho, Gameros (ME), Buchanan (MS), Fratinardo (ME).
44. Meander Migration and Stream Degradation: TXDOT, $570,000, 1999-2006, Briaud is PI, Chen, Chang, and Edge are Co-Pis, Students: Wang(PhD), Park(PhD), Yeh (PhD), Chung(ME), Park (ME), Shah (ME).
45. Scour Rate of Cohesive Soils: Contraction Scour. NCHRP, $350,000, 1999-2002, Briaud is PI, Chen is Co-PI, Students: Nurtjahyo (Ph.D.), Li (PhD), Cao (ME).

46. Full Scale VERT Wall Experiment and Analysis: Geo-Con, $450,000, 1998-2000, Briaud is PI as sub to Geocon, Students: Lee (M), Mun (M). Briaud = $45,000
47. Mitigating Swelling Clays by ESS 3000: Kinley/ESS Inc., $145,000, 1998-2001, Briaud is PI, Students: Chowdhury (M), Rahman (ME), Hungerford (ME), May (ME).
48. Spread Footings, Influence of Depth of Embedment: FHWA, $100,000, 1997-1999, Briaud is PI, Students: Barfknecht (M/Ph.D.), Cuellar (M).
49. Long Term Behavior of Tieback Walls: Texas DOT, $350,000. 1995-1998, Briaud is PI, Students: Soto (M), Suroor (M), Lim (Ph.D.).
50. Scour Rate for Cohesive Soils: Texas DOT, $665,000, 1994-1999, Briaud is PI, Students: Perugu (Ph.D.), Gudavalli (Ph.D.), Wei (Ph.D.), Philogene (M), Kwak (Ph.D.), Han (ME).
51. Drilled and Grouted Piles: Fundamental Behavior, NSF, $70,000, 1994-1997, Briaud, P.I., Student: Baroi (Ph.D.).
52. The Bump at the End of the Bridge: NCHRP, $15,000, 1994-1996, Briaud PI.
53. Laterally Loaded Piles: $25,000, 1994-1995, Briaud PI, Student: Donthireddy (M).
54. Feasibility Study for Scour Facility: Texas DOT, $80,000, 1993-1994, Briaud & Ting Co-PI, Students: Perugu (Ph.D.), Rao (Ph.D.). Briaud = $40,000
55. Houses on Expansive Clay: Buchanan Professorship, $5000/year, 1993-?, Briaud PI, Students: Hoffman, Posey (M), Swoboda (M).
56. The TEAM Method in Foundation Engineering, FHWA, $25,000, 1993-1995, Briaud PI, Student: Goparaju (Ph.D.).
57. Bioremediaton and the EPA Data Base: Buchanan Professorship, $5000/year, 1993-1996, Briaud PI, Students: Katta (M), Kouchner (M), McAdoo (M).
58. FEM Simulation for Soil Nailing, FHWA, $25,000, 1993-1996, Briaud PI, Student: Lim (Ph.D.).
59. Development of the LATWAK Test: FHWA, $25,000, 1993-1995, Briaud PI, Student: Ballouz (Ph.D.).
60. Behavior of Spread Footings on Sand, FHWA/Geotest, $650,000, 1992-1996, Briaud is P.I., Student: Nasr (Ph.D.), Jeanjean (Ph.D.), Gibbens (M), Hossain (Ph.D.). Briaud subcontract $270,000.
61. U.S. National Site for Geotechnical Experimentation, NSF/FHWA, $210,000, 1992-1996, Briaud is P.I., Students: Marcontell (M), Tao (M), Jennings (M), Simon (M).
62. Baked in Place Casings: NSF, $10,000, 1992-1993, Briaud is P.I. Student: Boursin (M).
63. Pipe Piles in Sands: NSF/API, $30,000, 1991, Briaud is P.I. Student: Hossain (Ph.D.).
64. Data Base for Shallow Foundations: FHWA, $7500, 1991, Briaud is P.I. Student: Nasr (Ph.D.).
65. Data Base for Pile Foundations: FHWA, $23,000, 1991, Briaud is P.I. Students: Swoboda (M), Goparaju (Ph.D.), Graveron (U).
66. Study of Gas Hydrates: NSF $150,000, 1989, Briaud is P.I. Students: Lim (Ph.D.), Chaouch (Ph.D.), Jeanjean (M).
67. UNOCAL New Drilled and Grouted Pile Concept: UNOCAL, $35,000, 1991, Briaud is P.I. Student: Chaouch (M).
68. Guidelines for the Dilatometer Test: PSC, $22,500, 1990, Briaud is P.I. Student: Miran (M).
69. Dynamic Testing of Drilled Shafts: FHWA/ADSC, $250,000, 1990, Briaud is P.I. Students: Ballouz (Ph.D.), Nasr (M). Minus in kind contributions = $50,000
70. Permanent Ground Anchor Walls: Schnabel/FHWA, $600,000, 1990, Briaud is P.I. Students: Kim (Ph.D.), Chung (M), Powers (M).

71. DataBase for Shallow Foundation: FHWA, $20,000, 1990, Briaud is P.I. Student: Abubakar (M).
72. DataBase for Deep Foundation: FHWA, $20,000, 1990, Briaud is P.I. Student: Goparaju (Ph.D.).
73. Development of the WAK Test: TEES, $5,000, 1990, Briaud is P.I. Students: Liu, Maxwell (M).
74. Expert Systems for Foundations: AMOCO, $17,000, 1990, Briaud is P.I.
75. Guidelines for the Cone Penetrometer Test: PSC, $22,500, 1989, Briaud is P.I. Student: Miran (M).
76. Support for Drilled and Grouted Pile Project: Various oil companies, $35,000, 1988, Briaud is P.I. Student: Kubena (M).
77. Downdrag on Bitumen Coated Piles: National Cooperative Highway Research Program (NCHRP), $1,000,000, 1988-1996, Briaud is P.I. Students: Bush (M), Viswanathan (M), Jeong (Ph.D.), Quraishi (M), Al Gurjia (M). Minus in kind contributions = $400,000
78. Drilled and Grouted Piles: Capacity and Inspection, USAE-WES and Minerals Management Service, $125,000, 1987, Briaud is P.I. Student: Dupin (M).
79. Guidelines for Pressuremeter Test: Performance and Design, FHWA, $48,000, 1987, Briaud is P.I.
80. An IBM-PC Program for Pile Response to Various Rate of Loading, Oil companies, $25,000, 1987, Briaud is P.I. Assistant: Tucker.
81. Cyclic Horizontal Pile Load Tests in Sand at Houston Ship Channel, USAE-WES, $20,000, 1987, Briaud is P.I. Student: Little (M).
82. Lock & Dam No. 26 In situ Testing and Pile Load Tests Report, USAE-WES, $10,000, 1986, Briaud is P.I. Assistant: Tucker.
83. Analysis of Hunter's Point Pile Load Tests in Sands, Federal Highway Administration, $44,000, 1986, Briaud is P.I. Student: Kon (M).
84. Development of the Step Bladed Vane, Federal Highway Administration, $65,000, 1985, Briaud is P.I. Student: Gan (M).
85. In Situ Modulus Determination, Federal Aviation Administration, $110,000, 1984, Briaud is P.I. Students: Terry (M), Cosentino (Ph.D.).
86. Development of a Pressuremeter Method for the Design of Piles in Sands Subjected to Cyclic Lateral Loads, USAE-WES, $22,000, 1984, Briaud is P.I. Student: Little (M).
87. Development of a Pressuremeter Method for the Design of Piles in Clay Subjected to Cyclic Loads, 4 Oil companies, $20,000, 1984, Briaud is P.I. Student: Makarim (Ph.D.).
88. Development of an Improved Method for Pile Design, Mississippi Highway Department, $97,000, 1983, Briaud is P.I. Students: Perdomo (M), Anderson (M).
89. Static and Dynamic Capacity of Piles in Cohesive Soils, American Petroleum Institute, Phase 2, $50,000, 1983, Briaud is P.I. Student: Felio (Ph.D.).
90. Development of an Offshore Pressuremeter, Fukada Geological Institute, Tokyo, $18,000, 1982, Briaud is P.I. Student: Riner (M).
91. Static and Dynamic Capacity of Piles in Cohesive Soils, American Petroleum Institute, Phase 1, $50,000, 1982, Briaud is P.I. Student: Garland (M).
92. Pressuremeter Design of Highway Related Foundations, Texas Highway Department, $30,000, 1982, Briaud is P.I. Students: Meriweather (M), Jordan, Anderson.
93. Behavior of Piles and Pile Groups in Cohesionless Soils, Federal Highway Administration, $72,000, 1981, Briaud is P.I. Student: Tucker (M).

94. Geotechnical Problems in Open Pit Mining, Center for Energy and Mineral Resources, $18,000, 1981, Briaud is P.I. Student: Felio (Ph.D.).
95. Evaluation of In Situ Tests Design Methods for Piles in Sands at Lock and Dam No. 26, USAE-WES, $76,000, 1981, Briaud is P.I. Student: Huff (M), Lawson (M), Braswell.
96. Laterally Loaded Piles and the Pressuremeter, National Science Foundation, $66,000, 1981, Briaud is P.I. Student: Smith (Ph.D.).
97. Also participated in Flexible Pavement Design and DataBase, (Sponsor: Texas State Department of Highways and Public Transportation.) Student: Hung (M).
98. Also participated in Characterization of Soft Sediment Behavior, (Sponsor: United States Geological Survey.)

CONSULTING REPORTS (EXAMPLES)

1. Maryland SHA, Woodrow Wilson Bridge, Washington D.C.
2. New York DOT, Wantagh Parkway Bridges, NY.
3. URS, Arizona Dams, Erosion Analysis. Phoenix, AZ.
4. Parsons Brinkerhoff, Superconducting Supercollider, Dallas.
5. LeRoy, Crandall and Associates, H-3 Viaduct, Honolulu.
6. Parsons Brinkerhoff, H-3 Tunnel, Honolulu.
7. STS Consultants, Superconducting Supercollider, Dallas.
8. BME, Inc., TMPA Powerline, College Station.
9. UNOCAL, New Foundation Concept, Confidential.
10. Corps of Engineers, District of St. Louis, Axial Response of 3 Vibratory and 3 Impact Driven H Piles in Sand.
11. GeoResource Consultants, Inc., Pressuremeter Tests and Cone Penetrometer Tests at Century Freeway in Los Angeles.
12. Ohio Department of Transportation, Demonstration and Initiation on the Use of the Texam Pressuremeter.
13. City Public Service, Pressuremeter Tests for the Design of Power Line Transmission Towers in San Antonio.
14. Geofon, Pressuremeter Tests for Arizona Power Transmission Line Design, Tucson, Arizona.
15. McClelland Engineers, Pressuremeter Tests and Analysis for Texas Utilities Plant Extension, Fairfield, Texas.
16. McBride-Ratcliff, Pressuremeter Tests to Obtain K_o for Tunnel Construction in Houston.
17. Federal Highway Administration, Pressuremeter Tests for Bridge Abutments on Shallow Footings in the Boston Area.
18. Conoco, Inc., Confidential.
19. Texas State Highway Department, In Situ Tests and Pile Predictions at Highway 146 and Ship Channel Crossing in Houston.
20. GeoResource Consultants, Analysis of Pile Load Tests.
21. Testing Unlimited, Inc., Analysis of a Tanker Impact against a Docking Facility in Freeport.
22. Raba-Kistner Consultants, Inc., Special Pressuremeter Tests for Exposition Plaza Tower in San Antonio.
23. City Public Service/Raba-Kistner Consultants, Inc., Foundation Testing and Analysis for Corner Power Line Towers for the City of San Antonio.
24. Conoco, Inc., Earth Technology Corporation, Perform First Offshore Pressuremeter Tests in Gulf of Mexico.

25. Amoco/Kenneth Tand & Associates, Feasibility Study for Use of Shallow Foundations at Texas City Power Plant.
26. Colorado River Authority/Raba-Kistner Consultants, Large Retaining Wall Analysis for the Canyon Dam Hydroelectric Project.
27. Earth Technology Corporation/Salt River Project, Special Pressuremeter Tests for Power Line Foundations.
28. Raba-Kistner Consultants, Special Pressuremeter Tests for Central Business Park complex in San Antonio.
29. Houston Light & Power/McClelland Engineers, Foundation Evaluation for Large Power Plant Smoke Stack.
30. Exxon Production Research, Houston, Confidential.
31. U.S. Army Engineers, Waterways Experiment Station, Analysis of Mat Foundation for Red River Army Depot.
32. Amoco/Kenneth Tand & Associates, Prediction of Shallow Footing Response to Vertical Loading.
33. Gulf States Utilities/Southwestern Laboratories, Special Pressuremeter Tests for Power Line Foundation Analysis.
34. Corps of Engineers, Vicksburg District, Prediction of Pile Response at Lock & Dam 2 Project, Alexandria, Louisiana.
35. McClelland Engineers, Inc., La Grange, Texas, Foundation Design of the Fayettesville Coal Power Plant using Pressuremeter Results.
36. Raba-Kistner Consultants, San Antonio, Foundation Evaluation for the First International Plaza by Pressuremeter Testing.
37. John Mathes and Associates, St. Louis, Foundation Design for the St. Louis Hilton using Pressuremeter Results.
38. Los Angeles Department of Water and Power, Utah, Nevada and California, Powerline Foundation Design by Pressuremeter Testing.
39. U.S. Navy, China Lake, California, Foundation Evaluation of the Supersonic Research Track at Naval Base.
40. U.S. Army Engineers, Waterways Experiment Station, San Antonio, Pressuremeter Prediction for Lateral and Vertical Shaft Behavior.
41. Murillo Engineering, Repair Strategy for Oil Tank.

EXTRACURRICULAR ACTIVITIES

Tennis

- No. 1 in USTA Texas Section in 1999: over 50 divisions.
- Played no. 4 for the State of Texas team at the over 45 Nationals in Myrtle Beach, South Carolina, October 1995.
- Champion, Texas Olympic Games (Pepsi Games of Texas) Open Category, 1988.
- Champion, Texas A&M Spring Open Tournament, 1987.
- Champion, Province of New-Brunswick closed tournament, Canada, Fall 1975.

BIOGRAPHICAL DATA

Soccer

- Left Wing, Team Champion, College Station City League, 1986-87, over 30 Divisions.

Rugby

- Standoff and Captain, University of New-Brunswick team, Champion of Eastern Provinces, Canada, 1975.

Piano

- Classical and Jazz, Amateur level.
- Played at the Cambridge Club, Avenue Wagram near the Arc de Triomphe in Paris, 1970.