

ADDA ATHANASOPOULOS-ZEKKOS, Ph.D.

Dept. of Civil and Environmental Engineering
University of California, Berkeley
421 Davis Hall, Berkeley, CA 94720

E-mail: adda.zekkos@berkeley.edu
Tel: 510-642-3489

EDUCATION

Ph.D., Civil & Environmental Engineering Dept, University of California at Berkeley, 2008
MSc., Civil & Environmental Engineering Dept, University of California at Berkeley, 2004
Ptychion, Civil Engineering Dept (5-year mandatory program), University of Patras, Greece, 2003

ACADEMIC APPOINTMENTS

Assistant Professor (1/2020-present), Department of Civil and Environmental Engineering, University of California, Berkeley, CA
Graduate Chair (9/2017 – 12/2019), Department of Civil and Environmental Engineering, University of Michigan at Ann Arbor, Ann Arbor, MI
Associate Professor (2015 – 12/2019), Department of Civil and Environmental Engineering, University of Michigan at Ann Arbor, Ann Arbor, MI
Assistant Professor (2008 – 2015), Department of Civil and Environmental Engineering, University of Michigan at Ann Arbor, Ann Arbor, MI
Graduate Student Instructor (GSI) and Graduate Student Research Assistant (GSRA) (2003-2008), Department of Civil and Environmental Engineering, University of California at Berkeley, Berkeley, CA

AWARDS AND HONORS

- *30th Annual Mueser Rutledge Memorial Lecturer*, 2020
- *TC203 Young Researcher Award*, International Society for Soil Mechanics and Geotechnical Engineering, (ISSMGE), TC203 Earthquake Geotechnical Engineering and Associated Problems, 2020
- *Invited Speaker* at the 35th Annual Geoengineering Distinguished Lecture Series, UC Berkeley, 2017
- *Excellence in Teaching Award*, Chi Epsilon Great Lakes District, 2016
- *Thomas Middlebrooks Award*, American Society of Civil Engineers (ASCE), 2015
- *Arthur Casagrande Professional Development Award*: For “contributions in the seismic risk assessment of levee protection systems against flooding”, American Society of Civil Engineers (ASCE), 2015
- *Excellence in CEE*, Departmental Faculty Award, 2014
- *National Science Foundation (NSF) CAREER Award*, 2013
- *National Science Foundation (NSF) Fellow* for NEES ENHANCE, 2012
- *Elizabeth C. Crosby Research Award*, ADVANCE, University of Michigan, 2010, 2011
- *Outstanding Graduate Student Instructor Award*, University of California, Berkeley, 2006
- *National Science Foundation (NSF), Graduate Research Fellowship (GRF) Award*, 2004-2007
- *Harry Bolton Seed Outstanding Graduate Student Award*, University of California, Berkeley, Geoengineering Group, 2004

PROFESSIONAL CONTRIBUTIONS

Professional Affiliations

- Member*, Association of State Dam Safety Officials (ASDSO), 2011-pres.
- Member*, International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), 2008-pres.
- Member*, Geotechnical Earthquake Engineering Reconnaissance (GEER), 2007-pres.
- Member*, United States Society of Dams (USSD), 2007-pres.
- Member*, Earthquake Engineering Research Institute (EERI), 2006-pres.
- Member*, American Society of Civil Engineers (ASCE), Geo-Institute, 2004-pres.

Professional Service

Committees (National/International)

- President*, USUCGER Board, Elected position (2 year term), 03/2020-pres.
- Member*, USUCGER Board, Elected position (4 year term), 01/2019-pres.
- Member*, ASCE Geo-Institute Awards Committee, 2018-pres.
- Member*, NHERI User Forum Committee, Elected position, 2017-pres.
- Member*, Dykes and Levees Technical Committee (ISSMGE), 2012-pres.
- Member*, Earthq Eng. and Soil Dyn. Geo-Institute Technical Committee (ASCE), 2011-pres.
- Member*, Committee on Levees (USSD), 2010-pres.
- Member*, Embankments, Slopes and Dams Geo-Institute Technical Committee (ASCE), 2008-pres.
- Member*, TC203 Earthquake Geotechnical Engineering and Associated Problems (ISSMGE), 2019-pres.

Editorships

- Editorial Board Member*, Canadian Geotechnical Journal, 2021-pres.
- Associate Editor*, ASCE Journal of Geotechnical and Geoenvironmental Engineering, 2015-pres.
- Guest Editor*, “*Special Issue: PBD-III Invited Papers*”, Soil Dynamics and Earthquake Engineering Journal, July 2018
- Technical Co-Editor*, 3rd International Conference on Performance-Based Design in Earthquake Geotechnical Engineering, Vancouver, BC, July 2017.
- Technical Co-Editor* and Member of Organizing Committee, 2012 GeoCongress Conference: State of the Art and Practice in Geotechnical Engineering, ASCE, 2009-2012.

Conference/Event Organization

- Technical Program Chair*, 2022 ASCE Geo-Institute (G-I) GeoCongress, Charlotte, NC
- Organizing Committee Member and Session Chair*, 2020 DFI45, Annual Conference on Deep Foundations, national Harbor, Maryland, October 13-16. 2020
- Session Chair*, 2019 USSD 39th Annual Conference and Exhibition, Chicago, April 8-12, 2019.
- Session Chair*, 2015 International Foundations Congress and Equipment Expo, Session: “Hurricanes and Floods”, ASCE Geo-Institute (G-I), International Association of Foundation Drilling, San Antonio, TX, March 18-21 2015.
- Session Chair*, 2013 GeoCongress Conference: Stability and Performance of Slopes and Embankments III, Session “Seepage and Slope Stability for Earth Dams and Levees”, ASCE Geo-Institute (G-I), 2013.

Professional Activities

- Member, 2021 Geotechnical Earthquake Engineering Reconnaissance (GEER) in response to the Croatia earthquake (virtually)*
- Member, 2016 Geotechnical Earthquake Engineering Reconnaissance (GEER) in New Zealand*
- Invited presenter and participant, 2016 US-NZ-Japan International Workshop on Liquefaction Effects*
- Member, 2016 Geotechnical Earthquake Engineering Reconnaissance (GEER) in Ecuador*
- Invited panelist, 2015 IFCEE Student Professional Development Workshop, San Antonio TX*
- Invited Participant, 2012 Second US-PRC Young Researcher's Forum MCEER, IEM in China*
- Participant, 2010 USSD Levee Workshop, Memphis TN*
- Invited participant and speaker, 2010 Innovative teaching methods in Geotechnical Engineering Workshop, Volos, Greece, workshop sponsored by the 6th National Hellenic Conference on Geot. and Geoenvironmental Engineering, in Volos, Greece, Sept. 29-Oct. 1, 2010*
- Participant, 2010 Research Summit, East Lansing, MI, Michigan Department of Transportation Office of Research and Best Practices*
- Invited Participant, 2010 Vision 2020 Workshop, St. Louis, MO, Sponsored by NSF/NEES*
- Invited Participant, 2009 7th NEES/E-Defense planning meeting for Collaborative Research, Kobe, Japan*
- Participant, 2009 Pile Driving Workshop for Professors, Utah State Univ. Logan, UT, Sponsored by Pile Driving Contr. Of America*
- Participant, 2009 Workshop for the Multiscale Science Based-Modeling and Simulation and Experimental Validation on Enabling Materials, Northwestern University, IL*
- Student Team Leader, Independent Levee Investigation (August 2005-May 2006)*

STUDENT ADVISEES

Post-Doctoral Researchers (1 in progress)

- Jongchan Kim

Doctoral Thesis Advisees (1 in progress)

- Brittany Russo (expected 2024) *Cyber-enabled data fusion for health monitoring of flood protection systems.*

Doctoral Thesis Advisees (5 completed)

- Nina Zabihi “*Liquefaction analyses of coarse grained soils using the Discrete Element Method (DEM)*”, August 2020 (**currently: Senior Engineer, Jacobs**)
- Jonathan Hubler “*Monotonic and dynamic response of gravelly soils*”, May 2017 (**currently: Assistant Professor at Villanova University**)
- Athina Gkrizi “*Characterization of Pile-driving induced ground motions*”, December 2016 (**currently: Assistant Professor at Nottingham University, UK**)
- Adam Lobbstael “*Feasibility Study of High-Performance Cutoff Walls for Levees in Seismic Regions*“, September 2014 (**currently: Medical Student, Michigan State University**)
- Mustafa Saadi “*GIS-based methodology for assessing spatial variability of soil properties in seismic evaluation of levee systems*“, December 2011 (**currently: Senior Engineer at Geosyntec Consultants, Atlanta, GA**)

ADDA ATHANASOPOULOS-ZEKKOS, Ph.D.

Graduate Research Advisees

- Goldie Gunawan (MSE 2018) *Seismically induced landslides after the 2016 New Zealand earthquake*
- Josh Colley (MSE 2014) *Effect of thin soil layers on progressive failure of earthen levees*
- Heidi Pence (MSE 2013) *Ground motion selection for seismic slope stability analysis of earthen levees*
- Mohammad Kabalan (MSE 2012) *Pile-driving induced vibration field measurements.*
- Kimberly Lamote (MSE 2011) *Seismic isolation of earth retaining structures with use of EPS-Geofoam compressible inclusion*

COURSES at UC Berkeley (2020-pres)

- CEE 175 – Geotechnical and Geoenvironmental Engineering (3-credits, undergraduate)
- CEE 270 – Advanced Geomechanics (3-credits, graduate)
- CEE 275 – Geotechnical Earthquake Engineering (3-credits, graduate)

COURSES at UMich (2008-2019)

- CEE 345 – Geotechnical Engineering (4-credits, undergraduate)
- CEE 546 – Slopes, Dams and Retaining Structures (3-credits, graduate)
- CEE 548 – Geotechnical Earthquake Engineering (3-credits, graduate)
- CEE 543 – Numerical Modelling in Geotechnical Engineering (3-credits, graduate)

SPONSORED RESEARCH (Total: \$2.7M, as PI: \$2M)

- *Liquefaction Evaluation of Gravelly Soils: An integrated laboratory testing and numerical modeling approach (PI)*
Pacific Earthquake Engineering Research Center, 2021-2022 (\$50,000)
- *Liquefaction Evaluation of Gravelly Soils: An integrated laboratory testing and numerical modeling approach (PI)*
QuakeCore: Center for Earthquake Resilience, NZ (\$50,000)
- *Collaborative Research: Integrated Field and Laboratory Based Assessment of Liquefaction Triggering and Residual Strength of Gravelly Soil (PI, with co-PI D. Zekkos from U. of Michigan and K. Rollins from BYU)*
National Science Foundation, 2017-2020 (total: \$521,889, PI share: \$333,533)
- *RAPID: Collaborative research: Topographic Change and Cascading Hazards Following the Mw7.8 Kaikoura (New Zealand) Earthquake (co-PI, with PI M. Clark and co-PI D. Zekkos from U. of Michigan)*
National Science Foundation, 2016-2018 (\$46,517)
- *Asset Management for Retaining Walls (PI, with co-PI J. Lynch and D. Zekkos from U. of Michigan)*
Michigan Department of Transportation, 2016-2019 (\$310,675)
- *Collaborative Research: Connecting Women Faculty in Geotechnical Engineering: Thriving in a Networked World (UMich PI, Syracuse Univ. lead)*
National Science Foundation, 2016-2019 (total: \$513,019, PI share: \$49,749)
- *CAREER: Promoting a Fundamental Understanding of Post-Liquefaction Response and Deformations: A Next-Generation Analytical and Experimental Methodology (PI)*

National Science Foundation, 2013-2018 (\$400,000)

- *Continuation of UM Network for Women in Civil and Environmental Engineering (NEWinCEE) (co-PI)*

Rackham School of Graduate Studies (UM), 2013-2015 (\$77,600)

- *Dynamic Response of Levees and Embankments (PI)*

Rackham Graduate School and ADVANCE at Univ. of Michigan, 2012-2013 (\$10,363)

- *On-Line International Network for Women in Geotechnical Engineering (PI)*

ADVANCE at the Univ. of Michigan, 2012-2013 (\$4,990)

- *Effects of pile-driving induced vibrations on nearby structures and other assets (PI)*

Michigan Department of Transportation, 2011-2013 (\$229,370)

- *UM Network for Excellence in Women in Civil Engineering (co-PI, with G. Parra-Montesinos, A. Demond, D. Zekkos and S. Lee from U. of Michigan)*

Rackham School of Graduate Studies (UM), 2011-2013 (\$96,736)

- *Feasibility Study of High-Performance Cut-off Walls for Levees in Seismic Regions: Dynamic Wall Analyses and Ductile Slurry Development (PI, with V. Li from U. of Michigan)*

National Science Foundation, 2010-2014 (\$384,406)

- *Seismic isolation of earth retaining structures with use of EPS-Geofoam compressible inclusion – Centrifuge Testing (PI)*

European Manufacturers of EPS, 2010-2012 (\$37,500)

- *Seismic isolation of earth retaining structures with use of EPS-Geofoam compressible inclusion – Centrifuge Testing (PI)*

ADVANCE at the Univ. of Michigan, 2010-2011 (\$14,647)

PUBLICATIONS AND PRESENTATIONS

Books

1. Pradel, D., Lobbestael, A., Athanasopoulos-Zekkos, A., Brooks, C., Champagne, C., Clark, M., Dobson, R., Edmonds, D., Esser, A., Gong, W., Hille, M., Manousakis, J., Marrion, N., Martion, H., Midttun, N., Niemi, N., Oomen, T., Townsend, K., Yanites, B. and Zekkos, D. (2021) “Edenville and Sanford Dam Failures: Field Reconnaissance Report”, Geotechnical Special Publication No. 327, ASCE
2. Taiebat, M., Athanasopoulos-Zekkos, A., and Wijewickreme, D. eds (2017) “3rd International Conference on Performance-based Design in Earthquake Geotechnical Engineering”, Vancouver BC
3. Hryciw, R.D., Athanasopoulos-Zekkos, A. and Yesiller, N. eds. (2012) “GeoCongress 2012 - State of the Art and Practice in Geotechnical Engineering”, Geotechnical Special Publication No. 225, Proceedings of the Annual GeoCongress of the Geo-Institute of ASCE, 4504 pages.

Special Issues

1. Boulanger, R., Taiebat, M., Wijewickreme, D. and Athanasopoulos-Zekkos, A. eds (2018) “*Special Issue: PBD-III Invited Papers*”, Soil Dynamics and Earthquake Engineering Journal, July 2018

Chapters in Books

1. Zekkos, D., Matasovic, N., El-Sherbiny, R., Athanasopoulos-Zekkos, A., Towhata, I., Maugeri, M. (2011) “Chapter 4: Dynamic Properties of Municipal Solid Waste”, “Geotechnical Characterization, Field Measurement, and Laboratory Testing of Municipal Solid Waste”, ASCE Geotechnical Special Publication, No 209.

Refereed Journal Publications

1. Rollins, K., Roy, J., Athanasopoulos-Zekkos, A., Zekkos, D., and Amaroso, S. (2021) “New Dynamic Penetration Test (DPT)-based liquefaction triggering procedure for gravelly soils”, submitted for publication in the ASCE JGGE (*in review*)
2. Jashod Roy, Kyle M. Rollins, McKay Harper, Nicolas Linton, Adda Athanasopoulos-Zekkos, Michelle Basham and Dimitrios Zekkos (2021) "Gravel liquefaction assessment using the dynamic cone penetration and shear wave velocity tests based on field performance from the 1964 Alaska earthquake", *ASCE JGGE (in review)*
3. Georgios Zalachoris, Dimitrios Zekkos, Adda Athanasopoulos-Zekkos, and Nikos Gerolymos (2021) "The Role of Liquefaction on the Seismic Response of Quay Walls during the 2014 Cephalonia, Greece, Earthquakes", *ASCE JGGE (in review)*
4. Shobha Bhatia, Cameron Cumberland, Patricia Gallagher, Adda Athanasopoulos-Zekkos, and Sucheta Soundarajan (2020) "Seed Grants of Change: Building Thriving Networks Among Women Geotechnical Faculty Members, A Case Study", *ASCE J Engineering Education*
5. Khosravi M, Leon-Corwin M, Ritchie L, Smallegan S, Stark N, Stephens M, Sutley EJ and Athanasopoulos-Zekkos A. (2020) Measuring User Satisfaction for the Natural Hazards Engineering Research Infrastructure Consortium. *Front. Built Environ.* 6:101. doi: 10.3389/fbuil.2020.00101
6. Zekkos, D., Greenwood, W., Lynch, J., Manousakis, J., Athanasopoulos-Zekkos, A., Clark, M., Cook, K.L. and Saroglou, C. (2018). Lessons Learned from The Application of UAV-Enabled Structure-From-Motion Photogrammetry in Geotechnical Engineering. *International Journal of Geoengineering Case Histories*, Vol.4, Issue 4, p.254-274. doi: 10.4417/IJGCH-04-04-03
7. Hubler, J., Athanasopoulos-Zekkos, A., and Zekkos, D. (2018) “Monotonic and Cyclic Simple Shear Response of Gravel-Sand Mixtures”, *Soil Dynamics and Earthquake Engineering*, Vol 115, pp. 291-304, Dec 2018, <https://doi.org/10.1016/j.soildyn.2018.07.016>
8. Zekkos, D., Athanasopoulos-Zekkos, A., Hubler, J., Fei, X., Zehtab, K.H., and Marr, A. (2017) “Development Of A Large-Size Cyclic Direct Simple Shear Device For Characterization Of Ground Materials With Oversized Particles”, *Geotechnical Testing Journal* <https://doi.org/10.1520/GTJ20160271>. ISSN 0149-6115
9. Hubler, J., Athanasopoulos-Zekkos, A., and Zekkos, D. (2017). “Monotonic, Cyclic and Post-Cyclic Simple Shear Response of Three Uniform Gravels in Constant Volume Conditions”, *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, Vol. 143, Issue 9, [doi 10.1061/\(ASCE\)GT.1943-5606.0001723](https://doi.org/10.1061/(ASCE)GT.1943-5606.0001723)
10. Dellow,S., Massey, C., Cox, S., Archibald, G., Begg, J., Bruce, Z., Carey, J., Davidson, J., Della Pasqua, F., Glassey, P., Hill, M., Jones, K., Lyndsell, B., Lukovic, B., McColl, S., Rattenbury, M., Read, S., Rosser, B., Singeisen, C., Townsend, D., Villamor,P., Villeneuve, M., Godt, J., Jibson, R., Allstadt, K., Rengers, F., Wartman, J., Rathje, E., Sitar, N., Athanasopoulos-Zekkos, A., Manousakis, J., and Little, M. (2017). “Landslides caused by the M_w7.8 Kaikōura earthquake and the immediate response”, *Bulletin of the New Zealand Society for Earthquake Engineering*, Vol. 50, No. 2, June 2017
11. Stringer, M., Bastin, S., McGann, C.R., Cappellaro, C., El Kortbawi, M., McMahon, R., Wotherspoon, L.M., Green, R.A., Aricheta, J., Davis, R., McGlynn, L., Hargraves, S., van Ballegooy, S., Cubrinovski, M., Bradley, B.A., Bellagamba, X., Foster, K., Lai, C., Ashfield, D., Baki, A., Athanasopoulos-Zekkos, A., Lee, R. and Ntritsos, N. (2017). “Geotechnical aspects of the 2016 Kaikōura earthquake on the south island of New Zealand”, *Bulletin of the New Zealand Society for Earthquake Engineering*, Vol. 50, No. 2, June 2017
12. Stahl, T., Clark, M., Zekkos, D., Athanasopoulos-Zekkos, A., Willis, M., Medwedeff, W., Knoper, L., Townsend, K., and Jin, J. (2017). “Earthquake Science in Resilient Societies: Earthquakes in Resilient Societies”, *Tectonics*, April 2017

13. Zekkos, D., Athanasopoulos-Zekkos, A., Grizi, A., and Greenwood, W. (2016). The May 25th 2011 Railroad Embankment Failure in Ann Arbor, Michigan, As a Means for Teaching Geotechnical Engineering. *International Journal of Geoengineering Case histories*, Vol.3, Issue 4, p.234-245. doi: 10.4417/IJGCH-03-04-03
14. Grizi, A., Athanasopoulos-Zekkos, A., and Woods, R. (2016). "Ground Vibration Measurements near Impact Pile Driving." *J. Geotech. Geoenviron. Eng.* , 10.1061/(ASCE)GT.1943-5606.0001499, 04016035.
15. Athanasopoulos-Zekkos, A., Pence, H., and Lobbestael, A. (2016.) "Ground Motion Selection for Seismic Slope Displacement Evaluation of Earthen Levees", *Earthquake Spectra, Earthquake Engineering Research Institute*, doi: 10.1193/062513EQS169M, February 2016, Vol. 32, No. 1, pp. 217-237.
16. Carlson, C., Zekkos, D., Athanasopoulos-Zekkos, A. (2016). "Predictive Equations to Quantify the Impact of Spectral Matching on Ground Motion Characteristics", *Earthquake Spectra, Earthquake Engineering Research Institute (EERI) Journal*, doi: 10.1193/090914EQS140M February 2016, Vol. 32, No. 1, pp. 125-142.
17. Carlson, C., Zekkos, D., Athanasopoulos-Zekkos, A. and J. Hubler (2014). "Statistical assessment of impact of ground motion modification on ground motion characteristics and time histories" *Earthquake Engineering Journal*, DOI: 10.1080/13632469.2014.898602.
18. Saadi, M. and Athanasopoulos-Zekkos, A. (2013). "A GIS-enabled approach for assessing damage potential of levee systems based on underlying geology and river morphology", *Journal of Mathematical Problems in Engineering, Special Issue: Structural Damage Modelling and Assessment Volume 2013 (2013), Article ID 936468, Article can be accessed at: <http://dx.doi.org/10.1155/2013/936468>.*
19. Lobbestael, A., Athanasopoulos-Zekkos, A., and Colley, J. (2013). "Factor of Safety Reduction Factors for Accounting for Progressive Failure for Earthen Levees with Underlying Thin Layers of Sensitive Soils", *Journal of Mathematical Problems in Engineering, Special Issue: Structural Damage Modelling and Assessment Volume 2013 (2013), Article ID 893602. Article can be accessed at: <http://dx.doi.org/10.1155/2013/893602>.*
20. Athanasopoulos-Zekkos, A., Vlachakis, V.S. and Athanasopoulos, G.A. (2013). "Phasing issues in the seismic response of yielding, gravity-type earth retaining walls – overview and results from a FEM study", *Soil Dynamics and Earthquake Engineering, Vol.55, pp. 59-70*.
21. Saadi, M. and Athanasopoulos-Zekkos, A. (2013). "A framework for assessing spatial distribution of soil properties in levee systems based on underlying geology and river morphology", *Journal of Geography and Geology, Vol. 5, No.3, pp.22-42*.
22. Athanasopoulos-Zekkos, A. and Seed, R.B., (2013). "Simplified Methodology for Consideration of 2D Dynamic Response of Levees in Liquefaction Triggering Evaluation", *ASCE Journal of Geotechnical and Geoenvironmental Engineering, Vol. 139, No. 11, pp.1911-1922*.
23. A. Athanasopoulos-Zekkos, K. Lamote, and G. A. Athanasopoulos, (2012). "Use of EPS geofam compressible inclusions for reducing the earthquake effects on yielding earth retaining structures", *Soil Dynamics and Earthquake Engineering Journal, Vol.41, pp.59-71*.
24. A. Athanasopoulos-Zekkos and M. Saadi, (2012). "Ground Motion Selection for Liquefaction Evaluation Analysis of Earthen Levees", *Earthquake Spectra, Earthquake Engineering Research Institute, Vol. 28 (4), pp. 1331-1351*.
25. J.D. Rogers, G.P. Boutwell, D.W. Schmitz, D. Karadeniz, C.M. Watkins, A. Athanasopoulos-Zekkos, and D. Cobos-Roa, (2008). "Geologic Conditions Underlying the 2005 17th Street Canal Levee Failure in New Orleans", *ASCE Journal of Geotechnical and Geoenvironmental Engineering* Vol.134(5), 583-601.

26. R. B. Seed, R. G. Bea, R. I. Abdelmalak, A. Athanasopoulos-Zekkos, G. P. Boutwell, J.-L. Briaud, C. Cheung, D. Cobos-Roa, L. Ehrensing, A. V. Govindasamy, L. F. Harder, K. S. Inkabi, J. Nicks, J. M. Pestana, J. Porter, K. Rhee, M. F. Riemer, J. D. Rogers, R. Storesund, X. Vera-Grunauer, J. Wartman, (2008). "New Orleans & Hurricane Katrina: I - Introduction, Overview, and the East Flank", *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, Vol.134(5), 701-717.
27. R. B. Seed, R. G. Bea, A. Athanasopoulos-Zekkos, G. P. Boutwell, J. D. Bray, C. Cheung, D. Cobos-Roa, L. Ehrensing, L. F. Harder, J. M. Pestana, M. F. Riemer, J. D. Rogers, R. Storesund, X. Vera-Grunauer, and J. Wartman, (2008). "New Orleans & Hurricane Katrina: II - The Central Region and the Lower Ninth Ward", *ASCE Journal of Geotechnical and Geoenvironmental Engineering* Vol.134(5), 718-739.
28. R. B. Seed, R. G. Bea, A. Athanasopoulos-Zekkos, G. P. Boutwell, J. D. Bray, C. Cheung, D. Cobos-Roa, L. F. Harder, R. E. S. Moss, J. M. Pestana, J. Porter, M. F. Riemer, J. D. Rogers, R. Storesund, X. Vera-Grunauer, and J. Wartman, (2008). "New Orleans & Hurricane Katrina: III - The 17th Street Drainage Canal", *ASCE Journal of Geotechnical and Geoenvironmental Engineering* Vol.134(5), 740-761.
29. R. B. Seed, R. G. Bea, A. Athanasopoulos-Zekkos, G. P. Boutwell, J. D. Bray, C. Cheung, D. Cobos-Roa, J. Cohen-Waeber, B. D. Collins, L. F. Harder, R.E. Kayen, R. E. S. Moss, J. M. Pestana, J. Porter, M. F. Riemer, J. D. Rogers, R. Storesund, X. Vera-Grunauer, and J. Wartman, (2008). "New Orleans & Hurricane Katrina: IV - The Orleans East Bank (Metro) Protected Basin", *ASCE Journal of Geotechnical and Geoenvironmental Engineering* Vol.134(5), 762-779.

Invited Conference Publications

1. Seed, R.B., Athanasopoulos-Zekkos, A., Cobos-Roa, D., Pestana, J.M., and Inamine, M. (2012). "State of the Art: U.S. Levee and Flood Protection Engineering in the Wake of Hurricane Katrina", *2012 GeoCongress Conference: State of the Art and Practice in Geotechnical Engineering*, ASCE, 25-29 March, Oakland CA

Refereed Conference Publications

1. Daniel Pradel, Adam Lobbstaël, Colin N. Brooks, Richard Dobson, Nicholas Marion, Thomas Oommen, Alan J. Esser, Adda Athanasopoulos-Zekkos, Dimitrios Zekkos, Marin Clark, Kirk Townsend, Nathan Niemi, Nik Midttun, and Madeline Hille (2021) "The May 19th 2020 Failure of Edenville Dam near Midland, Michigan", ASCE Geo-Extreme 2021-Geotechnical Engineering for Extreme Events, August 15 - August 18, 2021, Savannah, GA
2. Nathan Niemi, Adda Athanasopoulos-Zekkos, Cassandra Champagne, Marin Clark, Douglas Edmonds, Weibing Gong, Madeline Hille, Harrison Martin, Nikolas Midttun, Kirk Townsend, Brian Yanites, Dimitrios Zekkos (2020) "Impacts of human interventions in fluvial systems: Observations from the Edenville Dam disaster in central Michigan", Annual (virtual) Geological Society of America Meeting (GSA Connects 2020) (accepted abstract, oral presentation)
3. Zabihi, N. and Athanasopoulos-Zekkos, A. (2020). "Discrete Element Modelling of Large Scale Stacked-Ring Simple Shear Test of Steel Spheres", *ASCE GeoCongress 2020*, February 25-28, 2020, Minneapolis, MN
4. Basham, M., and Athanasopoulos-Zekkos, A. (2020). "The Effect of Static Shear Stress on Cyclic Resistance of Uniform Gravels", *ASCE GeoCongress 2020*, February 25-28, 2020, Minneapolis, MN
5. Athanasopoulos-Zekkos, A., Zekkos, D., Rollins, K., Hubler, J., Higbee, J. and Platis, A. (2019). "Earthquake Performance and Characterization of Gravel-Size Earthfills in the Ports of Cephalonia,

- Greece, following the 2014 Earthquakes”, 7th *International Conference on Earthquake Geotechnical Engineering*, Rome 17-20 June, 2019
6. Basham, M., Athanasopoulos-Zekkos, A. and Zekkos, D. (2019). “The Importance of Vertical Displacement Control During Constant Volume Cyclic Simple Shear Testing”, 7th *International Conference on Earthquake Geotechnical Engineering*, Rome 17-20 June, 2019
 7. Gkrizi, A., Athanasopoulos-Zekkos, A., and Woods, R.D. (2019). “Surface Wave Development during Impact Pile Driving” *XVII European Conference on Soil Mechanics and Geotechnical Engineering*, Reykjavik, Iceland, 1-6 September, 2019
 8. Kidus A. Admassu, Jerome P. Lynch, Adda Athanasopoulos-Zekkos, Dimitrios Zekkos, (2019) "Long-term wireless monitoring solution for the risk management of highway retaining walls," *Proc. SPIE 10971, Nondestructive Characterization and Monitoring of Advanced Materials, Aerospace, Civil Infrastructure, and Transportation XIII*, 1097103 (1 April 2019);
 9. Gallagher, P, Bhatia, S., Alestalo, S., Soundarajan, S., and Athanasopoulos-Zekkos, A. (2019). “Do Seed Grants Increase Collaboration? A Case Study from the “Geotechnical Engineering Women Faculty: Networked and Thriving” Project”, *Geo-Congress 2019: The Eighth International Conference on Case Histories in Geotechnical Engineering*, March 24-27, 2019
 10. Zekkos, D., Clark, M., Willis, M., Athanasopoulos-Zekkos, A., Manousakis, J., Knoper, L., Stahl, T., Massey, C., Archibald, G., Greenwood, W., and Medwedeff, W. (2018a). “3D models of the Leader Valley using satellite & UAV imagery following the 2016 Kaikoura earthquake”, *Eleventh U.S. National Conference on Earthquake Engineering, Integrating Science, Engineering & Policy, June 25-29, 2018, Los Angeles, California*.
 11. Zekkos, D., Manousakis, J., Athanasopoulos-Zekkos, A., Clark, M., Knoper, L., Massey, C., Archibald, G., Greenwood, W., Hemphill-Haley, M., Rathje, E., Litchfield, N., Medwedeff, W., Van Dissen, R.J., Ries, W., Villamor, P., Langridge, R.M., and Kears, J. (2018b). “Structure-from-Motion based 3D mapping of landslides & fault rupture sites during 2016 Kaikoura earthquake reconnaissance”, *Eleventh U.S. National Conference on Earthquake Engineering, Integrating Science, Engineering & Policy, June 25-29, 2018, Los Angeles, California*.
 12. Hubler, J.F., Athanasopoulos-Zekkos, A. and Zekkos, D. (2018). “Post-Liquefaction Volumetric Strain of Gravel-Sand Mixtures in Constant Volume Simple Shear.” *Geotechnical Earthquake Engineering and Soil Dynamics V 2018, June 10-13*
 13. Grizi, A., Athanasopoulos-Zekkos, A., and Woods, R.D. (2018). “Pile Driving Vibration Attenuation Relationships: Overview and Calibration Using Field Measurements”, *Geotechnical Earthquake Engineering and Soil Dynamics V 2018, June 10-13*.
 14. Grizi, A., Athanasopoulos-Zekkos, A., and Woods, R.D. (2018). “Understanding the energy transfer mechanism in the near field of impact driven piles”, *10th International Conference on Stress Wave Theory and Testing Methods for Deep Foundations*
 15. Hubler, J.F., Athanasopoulos-Zekkos, A. and Zekkos, D. (2018) “Evaluation of Post-Liquefaction Shear Strength and Shear Wave Velocity of Uniform Gravels.” *International Foundations Congress and Equipment Expo, March 5-10, 2018*.
 16. Grizi, A., Athanasopoulos-Zekkos, A. and Woods, R. D. (2018). “H-Pile Driving Induced Vibrations: Reduced-Scale Laboratory Testing and Numerical Analysis”, *IFCEE 2018, March 5-10, ASCE*.
 17. Gallagher, P.M., Alestalo, S., Bhatia, S.K., Athanasopoulos-Zekkos, A., and Soundarajan, S. (2018). “Geotechnical Women Faculty From 1989-2017: A U.S. Case Study Outline”, *Submitted to International Foundations Congress and Equipment Expo, March 5-10, 2018*.
 18. Hubler, J., Athanasopoulos-Zekkos, A., and Zekkos, D. (2017). “Pore Pressure Generation of Pea Gravel, Sand, and Gravel-Sand Mixtures in Constant Volume Simple Shear”, 3rd *International Conference on Performance-Based Design for Earthquake Geotechnical Engineering*, Vancouver, BC, Canada, July 17-19, 2017

19. Hubler, J., Athanasopoulos-Zekkos, A., and Zekkos, D. (2017.) “Monotonic, Cyclic and Post-Cyclic Shear Response of a Gravelly Sand “, 2017 Geofrontiers ASCE conference, Orlando, FL, March 12-15
20. Nikolaou, S., Vera-Grunauer X., Gilsanz, R. Luque, R. Kishida, T. Diaz-Fanas, G. Antonaki, N. Toulkeridis T., Miranda, E. Diaz, V. Alzamora, D. Athanasopoulos-Zekkos, A. Lyvers, G. Morales, E. Lopez, P. Rollins, K. Wood, C. O’Rourke, T. Lopez, S. (2017). “GEER-ATC Mw7.8 ECUADOR 4/16/16 EARTHQUAKE RECONNAISSANCE PART I : SEISMOLOGICAL & GROUND MOTION ASPECTS”, *16th World Conference on Earthquake Engineering, 16WCEE 2017 Santiago Chile, January 9th to 13th 2017*
21. Vera-Grunauer, X., Nikolaou, S., Gilsanz, R., Diaz-Fanas, G., Antonaki, N., Lopez, S., Luque, R., Casares, B., Caicedo, A., Alzamora, D., Rollins, K., Wood, C., Athanasopoulos-Zekkos, A., Lyvers, G., Diaz, V., Toulkeridis, T., Morales, E. (2017). “GEER-ATC Mw7.8 ECUADOR 4/16/16 EARTHQUAKE RECONNAISSANCE PART II: SELECTED GEOTECHNICAL OBSERVATIONS”, *16th World Conference on Earthquake Engineering, 16WCEE 2017 Santiago Chile, January 9th to 13th 2017*
22. Kitsis, V., Vlachakis, V., Athanasopoulos-Zekkos, A., and Athanasopoulos, G. (2015). “Seismic Thrust vs Wall Inertia in Non-Yielding Retaining Walls Under Earthquake Loading: Synchronous or Asynchronous Action?” 2015 International Foundations Congress and Equipment Expo, American Society of Civil Engineers (ASCE), San Antonio, TX, March 17-21.
23. Zekkos, D., Athanasopoulos-Zekkos, A., Grizi, A., Greenwood, W. (2014). “The Railroad Embankment Failure of the City of Ann Arbor, Michigan, Case history As a Means for Teaching Geotechnical Engineering”, 7th Hellenic Conference in Geotechnical Engineering, Athens, 5-7 November 2014 (in greek).
24. Hubler, J., Athanasopoulos-Zekkos, A., Ohm, H-S, and Hryciw, R. (2014). “Effect of Particle Morphology on the Monotonic Response of Gravel-sized Soils through Large Scale Simple Shear Testing”, GeoCongress 2014, GSP 234-235, ASCE, Atlanta, GA, February 23-26.
25. Vlachakis, V., Athanasopoulos, G.A., and Athanasopoulos-Zekkos, A. (2014). “Seismic displacements of yielding gravity-type earth retaining walls – Results from a FEM study”, GeoCongress 2014, GSP 234-235, ASCE, Atlanta, GA, February 23-26.
26. Woods, R.D., Athanasopoulos-Zekkos, A., Gkrizi, A., Pietrangelo, A., and Zimmerman, A. (2014). “Measurement of Ground Motion near Piles during Driving”, ASCE Geotechnical Special Publication (GSP 233): Principles and Practices in Geotechnical Engineering, A GSP Honoring Roy Olson, PhD, PE, NAE, DistMASCE.
27. Athanasopoulos-Zekkos, A. and Seed, R.B. (2013). “Seismic Slope Stability of Earthen Levees”, Proceedings of the 18th International Conference on Soil Mechanics and Geotechnical Engineering, Paris, September 2-6 2013.
28. Lobbetael, A and Athanasopoulos-Zekkos, A. (2013). “The Effect of Input Frequency on the Soil-Structure Interaction during dynamic excitation of Levees with Cutoff Walls”, GeoCongress 2013, GSP 231, ASCE, San Diego, March 3-6.
29. Athanasopoulos-Zekkos, A., and Seed, R. (2012). "Dynamic Response and Performance of Earthen Levees", International Conference on Earthquake Engineering Research Challenges in the 21st Century, Institute of Engineering Mechanics (IEM) of the China Earthquake Administration, 18-21 May, 2012, Harbin, China.
30. Lobbetael, A., and Athanasopoulos-Zekkos, A. (2011). "The Behavior of Failure Surfaces Resulting from Progressive Failure Through Thin Layers of Soft Sensitive Soil Beneath Earthen Levees", *Dam Safety 2011, ASDSO*, Washington, DC., September 25-29 2011.
31. Athanasopoulos-Zekkos, A., Lamote, K., and Athanasopoulos, G., (2011). “Seismic isolation of earth retaining walls using EPS compressible inclusions – Results from centrifuge testing”, *4th International Conference on Geofam Blocks in Construction Applications*, Oslo, Norway, 4-6 June, 2011.

32. Lobbestael, A. and Athanasopoulos-Zekkos, A. (2011). "High Performance Cutoff Walls for Levees in Seismic Regions", *U.S. Society of Dams 2011 Annual Meeting and Conf.*, San Diego, CA, April 11-15 2011 (poster).
33. Lobbestael, A. and Athanasopoulos-Zekkos, A. (2011). "A Parametric Analysis of the Effects of Progressive Failure on Embankments Founded on Soft Sensitive Soils", *Geo-frontiers 2011, GSP 211, ASCE*, Dallas, Texas, March 13-16, 2011.
34. Athanasopoulos-Zekkos, A. and Seed, R. (2010). "A Simplified Methodology for the Seismic Vulnerability Assessment of Earthen Levees", *6th National Hellenic Conference on Geotechnical and Geoenvironmental Engineering*, Volos, Greece, Sept. 29-Oct. 1, 2010 (in greek).
35. Saadi, M. and Athanasopoulos-Zekkos, A. (2010). "A GIS-enabled approach for the risk assessment of levee systems", *9th US National and 10th Canadian Conference on Earthquake Engineering: Reaching beyond Borders*, Toronto, Canada, July 25-29, 2010.
36. Zekkos, D., Boominathan, A., and Athanasopoulos-Zekkos, A. (2010). "Engineering Seismology, Ground Motions and Local Site Effects", General Report on Seesion 3, *5th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics*, San Diego, CA, May 24-29, 2010.
37. Athanasopoulos-Zekkos, A. (2010). "Variability in earthen levee seismic response due to time-history selection", *5th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics*, San Diego, CA, May 24-29, 2010.
38. Athanasopoulos-Zekkos A., Zekkos D. and Matasovic N., (2008). "Validation of generic municipal solid waste material properties for seismic design of landfills", *4th Geotechnical Earthquake Engineering and Soil Dynamics Conference*, GSP 181, Sacramento, CA, May 18-22, 2008.
39. R. B. Seed, R. G. Bea, R. I. Abdelmalak, A. G. Athanasopoulos, G. P. Boutwell, J. D. Bray, J.-L. Briaud, C. Cheung, J. Cohen-Waeber, B. D. Collins, D. Cobos-Roa, D. Farber, M. Hanenmann, L. F. Harder, K. S. Inkabi, A. M. Kammerer, D. Karadeniz, R.E. Kayen, R. E. S. Moss, J. Nicks, S. Nimala, J. M. Pestana, J. Porter, K. Rhee, M. F. Riemer, K. Roberts, J. D. Rogers, R. Storesund, A. V Govindasamy, X. Vera-Grunauer, J. Wartman, C. M. Watkins, E.Wenk, and S. Yim, (2007). "Investigation of the performance of the New Orleans Regional Flood Protection Systems during Hurricane Katrina: Lessons learned", *Geo-Denver Congress, Geo-Institute, GSP 157-174, ASCE*, Denver, CO, February 2007.
40. R. B. Seed, R. G. Bea, A. G. Athanasopoulos, G. P. Boutwell, J. D. Bray, C. Cheung, B. D. Collins, D. Cobos-Roa, J. Cohen-Waeber, L. F. Harder, R.E. Kayen, R. E. S. Moss, J. M. Pestana, J. Porter, M. F. Riemer, J. D. Rogers, R. Storesund, X. Vera-Grunauer, J. Wartman, (2007). "Investigation of levee performance in Hurricane Katrina: The New Orleans drainage canals", *Geo-Denver Congress, Geo-Institute, GSP 157-174, ASCE*, Denver, CO, February 2007.
41. R. B. Seed, R. G. Bea, A. G. Athanasopoulos, G. P. Boutwell, J. D. Bray, C. Cheung, B. D. Collins, D. Cobos-Roa, L. F. Harder, R.E. Kayen, J. M. Pestana, J. Porter, M. F. Riemer, J. D. Rogers, R. Storesund, X. Vera-Grunauer, J. Wartman, (2007). "Investigation of levee performance in Hurricane Katrina: The Inner Harbor navigation channel", *Geo-Denver Congress, Geo-Institute, GSP 157-174, ASCE*, Denver, CO, February 2007.
42. Zekkos, D., Athanasopoulos, G., Athanasopoulos, A. Manousakis, J. (2006). "Elements of engineering geology and geotechnical engineering in the Homeric Poems", *International Symposium on Science and Technology in Homeric Epics*, Ancient Olympia, Greece, 27-30 August 2006.
43. Zekkos D.P., Athanasopoulos G.A. and Athanasopoulos A.G., (2004). "Deep Supported Excavation in Difficult Ground Conditions in the City of Patras, Greece - Measured vs. Predicted Behavior", *5th International Conference on Case Histories in Geotechnical Engineering*, 13-17 April 2004, NY

Other Publications

1. Gallagher, P.M., Alestalo, S., Athanasopoulos-Zekkos, A., Bhatia, S.K., and Soundarajan, S. (2017). "Connecting Faculty in Geotechnical Engineering: Thriving in a Networked World", *GeoStrata, March/April Issue, Geo-Institute of ASCE*.
2. Lobbestael, A., and Athanasopoulos-Zekkos, A. (2011). "High Performance Cutoff Walls for Levees in Seismic Regions", *U.S. Society of Dams Newsletter*, Issue No. 154, July 2011
3. Zekkos D.P., Athanasopoulos A.G., (2004). "Milos Island: Working with earth for 9000 years", *AEG News, Association of Engineering Geologists Magazine*, March 2004, Vol.47, Issue 1
4. Zekkos, D., Athanasopoulos, A., Manousakis, J., (2003). "Geotechnical Engineering Experiences in the Homeric Poems", *Newsletter of the Technical Chamber of Greece*, Issue 2231, January 20th, 2003.

Technical Reports – Theses

1. Pradel, D., Lobbestael, A., Athanasopoulos-Zekkos, A., Brooks, C., Champagne, C., Clark, M., Dobson, R., Edmonds, D., Esser, A., Gong, W., Hille, M., Manousakis, J., Marrion, N., Martion, H., Midttun, N., Niemi, N., Oomen, T., Townsend, K., Yanites, B. and Zekkos, D. (2020) "May 19, 2020 Edenville and Sanford Dam Failures: Report on Field Reconnaissance Observations", Technical Report under the Auspices of the ASCE G-I EDS Technical Committee
2. Bastin, S., Bradley, B., Bray, J., Capellaro, C., Cubrinovski, M., del la Torre, C., Green, R., McGann, C., Olsen, M., Palermo, A., M., Stringer, Wotherspoon, L., Aricheta, J., Athanasopoulos-Zekkos, A., et al. (2017). "Geotechnical reconnaissance of the 2016 Mw 7.8 Kaikoura, New Zealand earthquake", GEER report GEER-053, Cubrinovski and Bray eds, Version 1.0, June 2017
3. Alvarado, A., Alzamora, D., Antonaki, N., Arteta, C., Athanasopoulos-Zekkos, A., Bassal, P., Caicedo, A., Casares, B., Davila, D., Diaz, V., Diaz-Fanas, G., Gilsanz, R., González, O., Hernandez, L., Kishida, T., Kokkali, P., López, P., Luque, R., Lyvers, G.M., Maalouf, S., Mezher, J., Miranda, E., Morales Moncayo, E., Nikolaou, S., O'Rourke, T., Ochoa, I., O'Connor, J.S., Ripalda, F., Rodríguez, L.F., Rollins, K., Stavridis, A., Toulkeridis, T., Vaxevanis, E., Vera-Grunauer, X., Villagrán León, N., Wood, C., Yepes, H., Yepes, Y. (2016). "GEER-ATC Earthquake reconnaissance, April 16, 2016 Muisne, Ecuador", GEER report GEER-049, Nikolaou, Grunauer and Gilsanz eds, Version 1.0b, October 2016
4. Athanasopoulos-Zekkos, A., Woods, R.D. and Gkrizi, A. (2014). "Effect of pile-driving induced vibrations on nearby structures and other assets", final report submitted to MDOT, ORBP Number OR10-046, RC-1600
5. Cortese, G., Zekkos, D., Athanasopoulos-Zekkos, A. (2012a). "Network for Women in Civil and Environmental Engineering – First Annual Report", May 31 2012, University of Michigan
6. Cortese, G., Zekkos, D., Athanasopoulos-Zekkos, A. (2012b). "Results of 2011 Undergraduate and Graduate Survey", September 15, 2012, University of Michigan.
7. Athanasopoulos, A.G. (2008)., "Select Topics on the Static and Dynamic Response and Performance of Earthen Levees", *Dissertation, Doctor of Philosophy*, Department of Civil and Environmental Engineering, University of California, Berkeley, California, USA.
8. Athanasopoulos, A.G. (2006). "Investigation of the performance of the flood-protection systems of New Orleans in Hurricane Katrina, on August 29, 2005", *report for the Technical Chamber of Greece*.
9. R. B. Seed, R. G. Bea, R. I. Abdelmalak, A. G. Athanasopoulos, G. P. Boutwell, J. D. Bray, J.-L. Briaud, C. Cheung, D. Cobos-Roa, J. Cohen-Waeber, B. D. Collins, L. Ehrensing, D. Farber, M. Hanemann, L. F. Harder, K. S. Inkabi, A. M. Kammerer, D. Karadeniz, R.E. Kayen, R. E. S. Moss, J. Nicks, S. Nimmala, J. M. Pestana, J. Porter, K. Rhee, M. F. Riemer, K. Roberts, J. D. Rogers, R.

- Storesund, A. V. Govindasamy, X. Vera-Grunauer, J. E. Wartman, C. M. Watkins, E. Wenk Jr., and S. C. Yim, (2006). "Investigation of the performance of the New Orleans flood protection systems in hurricane Katrina on August 29, 2005", *Report No.UCB/CCRM - 06/01*, July 2006, University of California at Berkeley, (http://www.ce.berkeley.edu/~new_orleans/)
10. Athanasopoulos, A., Zekkos D. (2006). "Geoengineering, refereed journals and case histories: A survey", *Geoengineer.org report* GEO/01/06, September 2006.
 11. Athanasopoulos, A.G. (2003). "Rion – Antirion Bridge: The foundation system of the Antirion approach viaduct and results of axial and lateral loading tests on 2m – diameter steel pipe piles", *Undergraduate Thesis, Ptychion*, Department of Civil Engineering, University of Patras, Greece.

Invited Lecture Presentations

1. "Performance of Levees: Learning from the past – Looking to the future", *Vancouver Geotechnical Society seminar series*, January 12, 2021
2. "Liquefaction of Gravelly Soil and Their Impact on Infrastructure", 30th Annual William H. Mueser and Philip C. Rutledge Memorial Lecture, ASCE NYC Metropolitan Section, November 11, 2020
3. "Investigation of the performance of the flood-protection systems of New Orleans in Hurricane Katrina, on August 29, 2005 - Lessons Learned.", *ASCE ND Chapter, Fall Meeting*, October 23, 2020
4. "Pile Driving Induced Vibrations and their Effects on Nearby Structures", *ASCE WI Chapter, Annual Meeting*, September 18, 2020 (virtual)
5. "Laboratory and In-Situ Assessment of Liquefaction of Gravelly Soils", *PLAXIS Users LatinoAmerica*, August 13, 2020 (virtual)
6. "Liquefaction of Gravels", *USACE Seismic Stability of Earthen Dams Course*, July 13 2020 (virtual)
7. "Long-term performance and monitoring of Levees", *USACE Sacramento Levee Group Seminar*, Sacramento, CA, February 24, 2020
8. "Liquefaction of Gravelly Soil and Their Impact on Infrastructure", *2020 PEER Annual Meeting*, Berkeley, CA, January 16, 2020
9. "Levees: Learning from the Past – Looking to the Future", *ASCE GeoInstitute 4th Live Webinar*, December 5, 2019
10. "Liquefaction Assessment of Gravelly Soils using the DPT", *Impact Testing for Site Characterization Workshop at SuperPile '19*, DFI, Seattle, May 1, 2019
11. "Liquefaction of Gravelly Soils and Their Impact on Infrastructure", *Purdue Geotechnical Society Workshop on Geotechnics of Natural Hazards*, Lafayette, April 26, 2019
12. "Liquefaction of Gravelly Soils and Their Impact on Infrastructure", *Civil and Environmental Engineering Department Seminar*, UC Berkeley, March 1, 2019
13. "Laboratory and In-Situ Assessment of Liquefaction of Gravelly Soils", *Themed Lecture, Geosystems Session, 3rd International Conference on Performance-based Design in Earthquake Geotechnical Engineering*, Vancouver BC, July 18, 2017
14. "Liquefaction Triggering and Post-Liquefaction response of Gravelly Soils", *4th Annual ACEC NY Geotechnical Symposium*, Syracuse, NY, May 8, 2017
15. "Evaluation of Gravelly Soil Liquefaction through Laboratory and Field Testing", *35th Geoengineering Distinguished Lecture Series*, UC Berkeley, May 4, 2017

16. "Post-Liquefaction Response of Gravelly Soils", *US-NZ-Japan International Workshop on Liquefaction-Induced Ground Movement Effects*, UC Berkeley, November 3, 2016
17. "Characterization of pile-driving induced vibrations", invited by the *Civil Engineering Dept. of the National Technical University of Athens (NTUA) Greece, and the National Scientific Committee of Geotechnical Engineering*, June 1, 2016
18. "Pile driving induced vibrations and their effects on nearby structures", *UM, CEE Geotechnical Seminar*, November 4, 2015
19. "Pile driving induced vibrations and their effects on nearby structures", *UC Davis, CEE Geotechnical Seminar*, April 2, 2015
20. Keynote presentation: "Assessment of Seismic Vulnerability of Earthen Levees", *22nd Vancouver Geotechnical Society Symposium*, Vancouver B.C., June 13, 2014
21. "Effect of pile-driving induced vibrations on nearby structures and other assets", *2013 Midwest Geotechnical Conference*, Madison, WI, September 24, 2013
22. "Levees: Learning from the past – Looking to the future", *CEE Department, Syracuse University, NY*, April 12, 2013
23. "Techniques for reviewing journal articles and the process for getting your work published", *UROP/WISE seminar, University of Michigan*, October 17, 2012
24. "Performance of the flood-protection systems of New Orleans in Hurricane Katrina – Lessons Learned", invited by the *Civil Engineering Dept. of the National Technical University of Athens (NTUA) Greece, the National Scientific Committee of Geotechnical Engineering and the National Committee of Earthquake Engineering*, December 17, 2010
25. "Investigation of the levee failures in New Orleans after Hurricane Katrina", *UROP Research seminar, University of Michigan*, October 20, 2010
26. "Teaching techniques for increasing female participation and retention in Civil Engineering" at the *6th National Hellenic Conference on Geotechnical and Geoenvironmental Engineering*, in Volos, Greece, Sept. 29-Oct. 1, 2010 for the special session titled: "Innovative teaching methods in Geotechnical Engineering", September 30, 2010
27. "Lessons learned from the performance of the flood-protection systems after Hurricane Katrina" *2010 CEEFA Spring Technical Session, University of Michigan*, April, 2010
28. "Levees: Learning from the past – Looking to the future", *ASCE chapter, University of Michigan*, Ann Arbor, MI, February 13, 2009
29. "Assessment of Seismic Vulnerability of Levees in Select California Regions", *EERI Student Chapter of the University of Notre Dame*, Notre Dame, IN, January 27, 2009
30. "Variability of Levee Response Due to Time History Selection", *COSMOS annual meeting and technical session*, Oakland, CA, November 21, 2008
31. "Assessment of Seismic Vulnerability of Levees in Select California Regions", *University of California, Berkeley, Geoenvironmental Wednesday Seminar Series*, April 16, 2008
32. "Seismic Levee Fragility and Flooding Hazard for Select California Regions", *ASCE San Francisco chapter - Geotechnical Group Workshop*, February 19, 2008
33. "Investigation of the performance of the flood-protection systems of New Orleans in Hurricane Katrina, on August 29, 2005", *Technical Chamber of Greece, Special Scientific Committee of Soil Mechanics and Foundations and the Technical Chamber of Greece*, December 19, 2006
34. "Overview of the Investigation of the Performance of the New Orleans' Flood Protection Systems in Hurricane Katrina on August 29, 2005", *ASCE-Geo-Institute chapter of Texas A&M University, College Station*, November 16, 2006

35. "Performance of the flood-protection systems of New Orleans in hurricane Katrina on August 29, 2005 – Lessons Learned", *University of California at Berkeley, Civil & Environmental Engineering Graduate Student Societ.*, October 24, 2006