

# ANAHD ANOUSHEH BEHROUZI

## *Curriculum Vitae*

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Architectural Engineering  
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## EDUCATIONAL HISTORY

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University of Illinois at Urbana-Champaign, Urbana, IL

M.S. Civil Engineering, May 2013

Ph.D. Civil Engineering, December 2016

Dissertation: Impact of cross section, web reinforcement and load history on seismic performance of slender concrete walls

North Carolina State University, Raleigh, NC

B.S. Civil Engineering, May 2011

B.A. Spanish Language & Literature, May 2011

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## EMPLOYMENT HISTORY

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California Polytechnic State University, San Luis Obispo, CA

Associate Professor, 2021 – present

Assistant Professor, 2016 – 2021

Tufts University, Medford, MA

Graduate Student Researcher/Instructor, 2015 – 2016

University of Illinois at Urbana-Champaign, Urbana, IL

Graduate Student Researcher/Instructor, 2011 – 2015

North Carolina State University, Raleigh, NC

Undergraduate Student Researcher/Instructor, 2008 – 2011

Jacobs Engineering, Dallas, TX

Structural Engineering Intern, Summer 2009

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## PUBLICATIONS

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### **Refereed archival journal publications**

1. Carroll, J.C., Dymond, B., and A. Behrouzi. SP-35907: Teaching the Equivalent Rectangular Stress Block. American Concrete Institute (ACI) Special Publication. Nov 2023. 17 p.
2. Carroll, J.C., Behrouzi, A., and K. Meyer. SP-359-09: Active and Visual Methods for Teaching Nonrectangular Reinforced Concrete Beams. ACI Special Publication. Nov 2023. 16 p.
3. Alcocer, S., Behrouzi, A., Brena, S., Elwood, K., Irfanoglu, A., Kreger, M., Lequesne, R., Mosqueda, G., Pujol, S., Puranam, A., Rodriguez, M., Shah, P., Stavridis, A., and R. Wood. Observations about the Seismic Response of RC Buildings in Mexico City. Earthquake Spectra. Published online Aug 13, 2020. 21 p.
4. Behrouzi, A., Mock, A., Lowes, L., Lehman, D., and D. Kuchma. Impact of Bi-Directional Loading on the Seismic Performance of C-Shaped Piers of Core Walls, Engineering Structures, Vol. 225. Published online Sept 1, 2020. 20 p.

### **Conference proceedings and other non-journal articles (Fully refereed publications)**

1. Codron, J. and A. Behrouzi. Assessing Video Game Pedagogy for Civil Engineering Education and K-12 Engagement. 2026 Annual Conference of American Society for Engineering Education (ASEE), Charlotte, NC. June 21-24, 2026. (Paper accepted Feb 6 2026).

2. Lowry, K., Biddle, R., Laursen, P., Behrouzi, A., and C. McDaniel. Performance of Reinforced Concrete Wall with Discrete FRP Boundary Element Retrofit. 2025 Structural Engineers Association of California (SEAOC) Convention, San Diego, CA. Sept 3-5, 2025. 16 p.
3. Behrouzi, A., Adam, W., and B. Martinez. Design-Build Capstone Projects: Continuing the Poly Canyon Legacy of Learn-by-Doing. 2025 Annual Conference of ASEE, Montreal, QC, Canada. June 22-25, 2025. 30 p.
4. Duong, A., Maglabe, S., Rongong, S., Lauren, P., Behrouzi, A., and A. Kline. Increasing Drift Capacity of Non-Ductile Concrete Shear Walls Through Confinement with Fiber-Reinforced Polymer Application. 2024 SEAOC Convention, Portland, OR. Sept 3-6, 2024. 16 p.
5. Bravo, A., Luong, J., and A. Behrouzi. 2023 Kahramanmaraş Earthquake Sequence: Geospatial Visualization and Analysis of Multiple Building Damage Datasets. 2024 SEAOC Convention, Portland, OR. Sept 3-6, 2024. 11 p.
6. Behrouzi, A., Tolman, K., and P. Van Rossum. Development of an Undergraduate Course on Women in the Design of the Built Environment. 2024 SEAOC Convention, Portland, OR. Sept 3-6, 2024. 20 p.
7. Behrouzi, A., Gomez, K., Dewey, A., and M. Yee. For Students, By Students: A Python Programming Manual for Structural Engineering Courses. 2024 ASEE Pacific Southwest Section Conference, Las Vegas, NV. April 18-20, 2024. 20 p.
8. Robles, P., Favro, G., Lentz, A., and A. Behrouzi. Physical and Digital Models for Timber Design and Analysis Courses. 2023 Annual Conference of ASEE, Baltimore, MD. June 25-28, 2023. 39 p.
9. Behrouzi, A., Buck, N., and S. Navias. Leveraging Lessons Learned from a Virtual Hands-on Outreach Program to Cultivate Diversity in the Next Generation of Structural Engineers. 2022 SEAOC Convention, Indian Wells, CA. Aug 31 - Sept 3, 2022. 17 p.
10. Navias, S., Buck, N., and A. Behrouzi. Hands-on Earthquake Engineering Curriculum for the Virtual Classroom. 12th National Conference on Earthquake Engineering (12NCEE), Earthquake Engineering Research Institute (EERI), Salt Lake City, UT. June 27 – July 1, 2022. 5 p.
11. Leader, C., Sharp, F., and A. Behrouzi. Considerations of Diversity, Equity, and Inclusion in Advanced Structural Engineering Courses. 2021 SEAOC Convention, Carlsbad, CA. Sept 22-25, 2021. 12 p.
12. Herrera, D., Leader, C., Patel, S., and A. Behrouzi. Student-Led Summer Diversity Workshops for Built-Environment Majors. 2021 Annual Conference of ASEE, Long Beach, CA. June 27-30, 2021. 27 p.
13. Cardinale, T., Deigert, M., Behrouzi, A., and J. Lawson. Large-Scale Timber Shear Wall Experimentation in an Undergraduate Design Course. 2021 Annual Conference of ASEE, Long Beach, CA. June 27-30, 2021. 15 p.
14. Laughery, L., Puranam, A., Segura Jr., C., and A. Behrouzi. The Institute's Team for Damage Investigations: Lessons Learned from Field Deployments. *Concrete International*, 42(12): 32-40, Dec 2020. 9 p.
15. Williams, J., Doan, T., Laursen, P., and A. Behrouzi. Assessment of Modeling Strategies for Lightly Reinforced Concrete Walls. 17<sup>th</sup> World Conference on Earthquake Engineering (17WCEE). Published online Sept 2020. 12p.
16. Slavin, N., Bravo, A., Datta, A., and A. Behrouzi. Geo-Spatial Analysis of RC Building Damage in 2017 Mexico Earthquake. 17WCEE. Published online Sept 2020. 12 p.
17. Deigert, M., Behrouzi, A., and P. Brady. Implementing Bluebeam Software in Architectural Engineering Design Courses. 2020 Annual Conference of ASEE, virtual. June 21-24, 2020. 21 p.
18. de Sevilla, R., Luong, J., Behrouzi, A., Laursen, P., and M. Deigert. Feasibility of a Fiber Reinforced Polymer Retrofit for Non-Ductile Concrete Walls. 2019 SEAOC Convention, Squaw Valley, CA. Aug 28-31, 2019. 8 p.
19. Van Thienen, M., Garcia, P., Behrouzi, A., Lim, J., and W. Banker-Hix. E-Learning Tools to Facilitate Instruction of a Large Enrollment Structural Engineering Course. 2019 Annual Conference of ASEE, Tampa, FL. June 16-19, 2019. 18 p.
20. Facciolo, C., and A. Behrouzi. Interactive Physical Experiments in an Advanced Undergraduate Structural Dynamics Course. 2019 Annual Conference of ASEE, Tampa, FL. June 16-19, 2019. 19 p.

21. Williams, J.M., Wright, M.W., Deigert, M.J., and A. Behrouzi. Exposing Undergraduates to Design, Fabrication, and Large-Scale Experimentation in a Steel Structural Design Course. 2019 Annual Conference of ASEE, Tampa, FL. June 16-19, 2019. 34 p.
22. Behrouzi, A. Kind Gestures: Longtime ACI Members Shape the Careers of Younger Generations. *Concrete International*, 40(10): 28-29, Oct 2018. 2 p.
23. Pantoja, M., Behrouzi, A., and D. Fabris. An Introduction to Deep Learning. *Concrete International*, 40(9): 35-41, Sept 2018. 7 p.
24. Bergquist, J.H., and A. Behrouzi. Multidisciplinary Research Efforts in Post-Earthquake Civil Infrastructure Reconnaissance. 2018 Annual Conference of ASEE, Salt Lake City, UT. June 24-27, 2018. 17 p.
25. Behrouzi, A., Mock, A., Lowes, L.N., Lehman, D.E., and D.A. Kuchma. Seismic Performance of Slender C-Shaped Walls Subjected to Uni- and Bi-directional Loading. 11th National Conference on Earthquake Engineering (11NCEE), EERI, Los Angeles, CA. June 25-29, 2018. 5 p.
26. Behrouzi, A., and M. Pantoja. Photo Tagging Tool for Post-Earthquake Structural Damage Identification. 11NCEE, EERI, Los Angeles, CA. June 25-29, 2018. 10 p.
27. Patterson, B., Leone, G., Pantoja, M., and A. Behrouzi. Deep Learning for Automated Image Classification of Seismic Damage to Built Infrastructure. 11NCEE, EERI, Los Angeles, CA. June 25-29, 2018. 11 p.
28. Behrouzi, A., and M. Pantoja. Software Toolset to Enable Image Classification of Earthquake Damage to Above-Ground Infrastructure Networks. 16th European Conference on Earthquake Engineering, European (16ECE), Association for Earthquake Engineering, Thessaloniki, Greece. June 18-21, 2018. 10 p.
29. Behrouzi, A. Developing a Robust Teaching Portfolio as a Doctoral Student in a Research-Intensive Engineering Program. 2017 Annual Conference of ASEE, Columbus, OH. June 25-28, 2017. 13 p.
30. Behrouzi, A., Welt, T., Lehman, D.E., Lowes, L.N., LaFave, J., and D. A. Kuchma. Experimental and Numerical Investigation of Flexural Concrete Wall Design Details. Proceedings of Structures Congress 2017, ASCE-SEI, Denver, CO. April 6-8, 2017. 16 p.
31. Behrouzi, A. Physical Artifacts in Introductory-level Reinforced Concrete Design Instruction. 2016 Annual Conference of ASEE, New Orleans, LA. June 26-29, 2016. 21 p.
32. Behrouzi, A., and D.A. Kuchma. Inquiry-based Learning to Explore the Design of the Built Environment. 2016 Annual Conference of ASEE, New Orleans, LA. June 26-29, 2016. 20 p.
33. Behrouzi, A. Physical Models in the Reinforced Concrete Design Classroom. *Concrete International*, 34(5):36-40, Sept 2015. 5 p.
34. Behrouzi, A., and M. Bletzinger. Use of Comprehensive Instrumentation in Structural Experiments for Model Validation of Inelastic Systems. 10th National Conference on Earthquake Engineering (10NCEE), EERI, Anchorage, AK. July 21-25, 2014. 11 p.
35. Rhu, Y., Behrouzi, A., Melesse, T., and V.C. Matzen. Reconciliation of Experimental and Analytic Results: Inelastic Behavior of Threaded Piping Connections. American Society of Mechanical Engineers (ASME) Pressure Vessel & Piping Conference. Baltimore, MD. July 2011. 6 p.

**Abstracts, letters, non-refereed papers, technical reports**

1. Tremayne, H., Williams, J., and A. Behrouzi. Leading when the Earth Shakes. *Cal Poly College of Architecture & Environmental Design Connections Magazine*. Fall 2020, online format.
2. Behrouzi A., Mock, A., Lowes, L.N., Lehman, D.E., and D.A. Kuchma. Summary of Large-Scale Nonplanar Reinforced Concrete Walls. 2014. Final report to Charles Pankow Foundation (CPF), 41 p.
3. Mock, A., Behrouzi, A., Lowes, L.N., Lehman, D.E., and D.A. Kuchma. Empirically Derived Effective Stiffness Expressions for Concrete Walls. 2014. Final report to CPF, 14 p.
4. Behrouzi, A., Mock, A., Lowes, L.N., Lehman, D.E., and D.A. Kuchma. Summary of Large-Scale C-Shaped Reinforced Concrete Wall Tests. 2014. Final report to CPF, 75 p.
5. Behrouzi, A., Lu, R., and D.A. Kuchma. Photogrammetry as a Non-Contact Measurement System in Large Scale Structural Testing. 2012. Instruction Manual produced for NEES@Illinois MUST-SIM facility, 103 p.

**Other significant research dissemination (web sites, software, Wikis, etc.)**

1. Pujol, S., Puranam, A., Stavridis, A., Behrouzi, A., Elwood, K., Lequesne, R., Mosqueda, G., Wood, R., Brena, S., and P. Shah. Buildings Surveyed after 2017 Mexico City Earthquakes. Designsafe-ci (distributor). Dataset. DOI: 10.17603/ds2-vpce-c875.
2. Birely, A.C., Mock, A., Behrouzi, A., Kuchma, D.A., Lowes, L.N., and D.E. Lehman. Seismic Behavior of Modern Reinforced Concrete C-Shaped Walls- Specimen UW6. Designsafe-ci (distributor). Dataset. DOI: 10.4231/D3C24QP0D.
3. Behrouzi, A., Mock, A., Kuchma, D.A., Lowes, L.N., and D.E. Lehman. Seismic Behavior of Modern Reinforced Concrete C-Shaped Walls- Specimen UW7. Designsafe-ci (distributor). Dataset. DOI: 10.4231/D37D2Q79C.
4. Mock, A., Behrouzi, A., Kuchma, D.A., Lowes, L.N., and D.E. Lehman. Seismic Behavior of Modern Reinforced Concrete C-Shaped Walls- Specimen UW8. Designsafe-ci (distributor). Dataset. DOI: DOI: 10.4231/D33N20F5M.
5. Birely, A.C., Turgeon, J.A., Mock, A., Behrouzi, A., Hart, C.R., Marley, K.P., Kuchma, D.A., Lehman, D.E., and L. N. Lowes. "NEESWall Project" YouTube Channel. <https://www.youtube.com/user/NEESWallProject>.

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OTHER SCHOLARLY ACTIVITY

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**Invited lectures, seminars, and webinars (only those made by Behrouzi listed).**

1. Behrouzi, A.\* Expanding the Reach of Your Engineering Program. Wayne State University Department of Civil & Environmental Engineering Seminar. Feb 26, 2026 via video conference.
2. Behrouzi, A.\* Expanding the Reach of Your Engineering Program. Ohio State University Department of Civil, Environmental and Geodetic Engineering Distinguished Speaker Series. Jan 12, 2024.
3. Behrouzi, A.\* Celebrating the Faces Behind the Concrete Code. ACI Philippines Intersection: Crossing Paths Webinar. July 22, 2023 via video conference.
4. (Cameo) YouTube Video – 2020-2021 CEE Alumni Awards. CEE at Illinois. Nov 5, 2021.
5. (Cameo) YouTube Video – Episode 7: The Science and Innovation of Resilience. Optimum Seismic & US Resiliency Council. May 20, 2021.
6. (Cameo) YouTube Video – This is the Magic of our Students and Young Professionals. Ashraf Habibullah. Aug 20, 2020.
7. With Ellis, A., Fischer, E., and S. Paal. Innovation in Concrete Construction: Use of New Technology in Post-Extreme Event Reconnaissance. American Concrete Institute (ACI) Innovations in Concrete Construction Webinar. Feb 21, 2019 via video conference.
8. Then and Now: Buildings and Earthquakes in Christchurch, NZ. California Polytechnic State University – San Luis Obispo, Cal Poly – ASCE Chapter, San Luis Obispo, CA. Feb 13, 2019.
9. Machine Learning to Enable Classification of Earthquake Damage to Civil Infrastructure. North Carolina State University, NCSU - EERI Chapter, Raleigh, NC. Sept 7, 2018.
10. Machine Learning to Enable Classification of Earthquake Damage to Civil Infrastructure. University of Canterbury, Christchurch, NZ. Aug 3, 2018.
11. Seismic Performance of Non-Planar Reinforced Concrete Structural Walls. North Carolina State University, NCSU - EERI Chapter, Raleigh, NC. March 30, 2016.
12. Reinforced Concrete Building Response in New Zealand Quakes. Stony Brook University, Department of Civil Engineering Seminar, Stony Brook, NY. Feb 25, 2016.
13. Lessons Learned from Reinforced Concrete Building Response in New Zealand Quakes. University of Texas at Austin, Structural Engineering Seminar, Austin, TX. Feb 4, 2016.
14. Seismic Performance of Non-Planar Reinforced Concrete Structural Walls. Universidad Tecnica Federico Santa Maria, Department of Civil Engineering Seminar, Chile. Dec 16, 2015 via video conference.
15. Seismic Performance of Reinforced Concrete Buildings in the Canterbury Earthquake Series. University of Illinois-ACI and Structural Engineers Association Chapters. February 5 and March 4, 2014.

**Presentations given at conferences (presenters' names noted with asterisk).**

1. Bravo, A.\*, Luong, J., and A. Behrouzi. Geospatial Visualizations of Reconnaissance Data for the Kahramanmaraş Earthquake Sequence. 2024 EERI Annual Meeting, Seattle, WA. April 9-12, 2024. Poster.
2. Knauss, L.\*, Behrouzi, A.\*, Trudell, C.\*, and J. Wong\*. Empowering: Architecture Diversity Continuum: What's Next, What Still Needs to Change. Workshop of the Women in Construction Conference. Sacramento, CA. October 5, 2023.
3. Behrouzi, A.\* Project Management: Focus on Student Mentorship. Early Career Workshop of the 2023 EERI Annual Meeting. San Francisco, CA. April 11-14, 2023.
4. Behrouzi, A.\* Celebrating the Faces Behind the Concrete Code. Student Awards Program of the ACI Spring 2022 Convention. San Francisco, CA. April 2-6, 2023.
5. Behrouzi, A.\* Teaching Concrete through Context: Walter P. Moore, Jr. Faculty Achievement Award Lecture. ACI Spring 2021 Convention. Virtual. March 27-April 1, 2021.
6. Carroll, J.C.\*, Behrouzi, A., and B.Z. Dymond. Understanding the Equivalent Rectangular Stress Block. ACI Spring 2021 Convention. Virtual. March 27-April 1, 2021.
7. Carroll, J.C.\*, Behrouzi, A., and K.F. Meyer. Visualizing Non-rectangular Beams. ACI Spring 2021 Convention. Virtual. March 27-April 1, 2021.
8. Doan, T., Williams, J., Behrouzi, A.\*, and P. Laursen. Recommendations for Modelling Lightly Reinforced Concrete Walls using PERFORM-3D. ACI Fall 2020 Convention. Virtual. Oct 24-29, 2020.
9. Slavin, N.\*, Bravo, A.\*, Datta, A. and A. Behrouzi\*. Leveraging ArcGIS Mapping: Investigation of Concrete Building Damage after 2017 Mexico Earthquake. 2020 National Earthquake Conference. San Diego, CA. March 4-6, 2020.
10. Slavin, N.\*, Datta, A., and A. Behrouzi. Structural Damage and Ground Motion Analysis in Mexico City after the 2017 Puebla Earthquake. International Mechanical Engineering Congress & Exposition. Salt Lake City, UT. Nov 10-14, 2019. Poster.
11. Luong, J., de Sevilla, R., Behrouzi, A.\*, Laursen, P., and M. Deigert. Large-Scale Testing of Lightly Reinforced Concrete Wall and Proposed FRP Retrofit Approach. ACI Fall 2019 Convention. Cincinnati, OH. Oct 20-24, 2019.
12. Datta, A., Slavin, N., and A. Behrouzi\*. Geospatial Mapping and Analysis: Concrete Building Damage in the 2017 Mexico Earthquake. ACI Fall 2019 Convention. Cincinnati, OH. Oct 20-24, 2019.
13. Behrouzi, A.\* Involvement in ACI as Teaching Faculty. S806 Young Professional Activities Committee Session of ACI Fall 2019 Convention, Cincinnati, OH. Oct 20-24, 2019.
14. Luong, J., de Sevilla, R., Ostrom, L., Behrouzi, A.\*, and P. Laursen. Improving Ductility of Slender Reinforced Concrete Walls with FRP Sheets & Splay Anchors. 2019 EERI Annual Meeting. Vancouver, BC Canada. March 5-8, 2019. Poster.
15. Behrouzi, A.\*, Pantoja, M.\*, and J. Bergquist\*. Application of Automated Image Classification Tool for Post-Earthquake Assessment of Concrete Structures. ACI Fall 2017 Convention. Anaheim, CA. Oct 14-18, 2017.
16. Lowes, L.N.\*, Lehman, D.E., Whitman, Z., and A. Behrouzi. Recommendations for and New Design Expressions from High-Resolution Finite Element Modeling of Flexural Walls. ACI Fall 2017 Convention. Anaheim, CA. Oct 14-18, 2017.
17. Behrouzi, A. \*, Knapp, M.\*, Voss, M.\*, and Flood IV, W.H\*. Lessons Learned and Stories Shared: Perspectives from Academia and Industry. S805 Concrete Collegiate Council Session of ACI Fall 2017 Convention, Anaheim, CA. Oct 14-18, 2017.
18. Behrouzi, A. \*, Boone, H. \*, McGough, C. \*, Miller, E. \*, Patrick, A. \*, Secules, S. \*, and M. Tsugawa-Nieves\*. Engineering Education Pathways Panel. 2017 Annual Conference of ASEE, Columbus, Ohio. June 25-28, 2017.
19. Behrouzi, A.\*. Seismic Performance of Slender Concrete Walls: Impact of Geometry and Web Reinforcement. 2017 EERI Annual Meeting. Portland, OR. March 7-10, 2017. Poster.

20. Behrouzi, A\*. Physical Models in the Reinforced Concrete Design Classroom. ACI Fall 2015 Convention. Denver, CO. Nov 9, 2015.
21. Behrouzi, A\*. Comprehensive Instrumentation in Structural Testing for Model Validation of Inelastic Systems. Network for Earthquake Engineering Simulation (NEES) Quake Summit. Reno, NV. Aug 2013.
22. Lowes, L.N., Lehman, D.E., Pugh, J., Kuchma, D.A., and A. Behrouzi\*, and A. Mock\*. Seismic Behavior of Slender C-Shaped Walls. NEES Quake Summit. Reno, NV. Aug 2013.
23. Behrouzi, A\*, co-author. ExVis Tool: Case Study of Experimental Data Visualization and Analysis on Concrete Structural Walls. NEES Quake Summit. Boston, MA. July 2012. Poster.

**Professional society memberships.**

American Concrete Institute  
American Society of Civil Engineers  
American Society of Engineering Education  
Earthquake Engineering Research Institute

**Professional certifications.**

Engineer in Training (EIT) Certification, 2011, NCEES  
Superior Certification in Business Spanish, 2010, Chamber of Commerce & Industry – Madrid, Spain

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**RESEARCH ACTIVITIES**

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**Funded Research**

PIs	Title	Amount	Funding Agency	Period
Behrouzi (PI) Chadwell (co-PI) Clifford (co-PI) Kline (co-PI) Laursen (co-PI)	MRI: Acquisition of Structural Testing System to Simulate Earthquake Loading	\$340,374	NSF	2020-23
Behrouzi (PI) Laursen (co-PI)	Improving Ductility of RC Walls w/FRP Sheets + Anchors	\$17,728	Cal Poly RCSA	2018-19
Pujol (PI) Behrouzi (co-PI) Kreger (co-PI) Mosqueda (co-PI) Stavridis (co-PI)	NSF RAPID: Effects of 2017 Central Mexico Earthquake on RC Buildings	\$18,213 \$19,961 \$20,000 \$19,836 <u>\$29,741</u> \$107,751	NSF	2018
Pantoja (PI) Behrouzi (co-PI)	Deep Learning applied to Post-Earthquake Reconnaissance	\$15,359	Cal Poly RCSA	2017-19

Note: Only research grants over \$10,000 listed.

**Other External Professional Development Funding**

Registration Grant for 2017-2019 EERI Annual Meetings, EERI  
Whakapukahatanga Taiao Research Fellowship, 2018, University of Auckland  
Travel Grant to National Hazards Engineering Research Infrastructure Summer Institute, 2018, via NSF Award # 1612144  
Young Professional Essay Contest Winner, 2018, ACI  
ACI Tribute to Founders Fellowship, 2015-2016, ACI Foundation  
ACI President’s Fellowship, 2014-2015, ACI Foundation  
Max Zar Scholarship, 2013-2014, Structural Engineers Foundation  
Tau Beta Pi Fellowship, 2011-2012, Tau Beta Pi  
Phi Kappa Phi Fellowship, 2011-2012, Phi Kappa Phi  
Park Scholarship, 2007-2011, North Carolina State University

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## DOCUMENTATION OF TEACHING EFFECTIVENESS

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### **Teaching & Service-Related Awards**

ASEE Pacific Southwest (PSW) Section Outstanding Teaching Award, 2025, ASEE PSW Section  
Cal Poly Outstanding Faculty Advisor Award, 2021-22, Cal Poly  
Cal Poly Distinguished Teaching Award, 2021-22, Cal Poly  
Best Diversity Paper Award, 2021, ASEE Student Division  
Walter P. Moore, Jr. Faculty Achievement Award, 2021, ACI  
EERI Younger Member Award, 2021, EERI  
Young Alumni Achievement Award, 2021, University of Illinois (UIUC) Civil & Environmental Engineering Alumni Association  
Cal Poly's Most Influential Women – 30 Under 30 Recipient, 2020, Cal Poly Women in Business  
ASCE ExCEED New Faculty Excellence in Teaching Award, 2019, American Society of Civil Engineers (ASCE)  
ASEE Gerald R. Seeley New Faculty Best Paper Award, 2019, ASEE Civil Engineering Division  
ASCE ExCEED Teaching Fellow, 2017, ASCE  
Travel Grant to NSF CASCE Teaching Workshop, 2017, via NSF Award # 1432426  
Outstanding Reviewer for ASCE Journal of Professional Issues in Engineering Education & Practice, 2016, ASCE  
Best Paper Award, 2016, ASEE Experimental & Laboratory Oriented Studies Division  
Structural Engineering Instructional Fellowship, Spring 2015, UIUC  
Ranked Outstanding (Top 10%) on List of Instructors Ranked as Excellent, Spring 2015, UIUC  
Graduate Teacher Certificate, Spring 2014, UIUC  
Included on List of Instructors Ranked as Excellent, Fall 2012 & 2013, UIUC

### Courses Taught & Student Evaluations

Course Number	Course Title	Quarters Taught	Credit Hrs	Total Responses	Total Enrolled	Items 2.1-2.4	Items 4.1-4.2
ARCE 211	Structures I	F 19 W 20 S 20 (4 sections)	3	121	187	4.86	4.82
ARCE 212	Structures II	F 22 W 21-22, 24 S 19, 23 (11 sections)	3	137	356	4.80	4.78
ARCE 226	Intro to Struct Sys	F W 25 S 20-21,25 (6 sections)	3	80	201	4.73	4.66
ARCE 302	Structural Analysis I	F 16, 18, 23 W S (3 sections)	3	34	76	4.85	4.87
ARCE 352	Structural Computing	F 16, 18, 23 W S (5 sections)	1	34	74	4.72	4.80
ARCE 354	Numerical Analysis	F W 17-18, 25 S 17-19, 21-22, 24 (19 sections)	1	78	240	4.81	4.74
ARCE 371	Structural Systems	F 22, 23 W S (2 sections)	3	5	26	4.80	5.00
ARCE 412	Structural Dynamics	F W 17-18, 25 S 17-19, 21-22, 24 (10 sections)	3	95	244	4.85	4.83
ARCE 444	RC Lecture	F 17, 20-21, 24- 25 W 19, 23 S (10 sections)	3	96	233	4.90	4.88
ARCE 452	RC Lab	F W S 23,25 (2 section)	3	8	29	5.00	4.88
ARCE 502	Nonlinear Behavior I	F 17-22 W S (6 sections)	3	70	131	4.77	4.81
ARCE 503	Nonlinear Behavior II	F W 18-23 S (6 sections)	3	52	101	4.68	4.50
HNRS 299	Honors Seminar	F W S 24,25 (2 sections)	1	16	30	4.82	4.88

\*Note Instructor evaluation questions slightly different for ARCE vs. HNRS course.

### Advised Senior/Master Projects

Student Name	Level of Supervision	Topic	Completed (Quarter)	Current Employer
Jillian Codron	Senior	AEC in Media	In Progress	---
Alejandra Bravo	MS	Reconn Tool	In Progress	Walter P Moore
Ellen Untalan	Senior	Hinman History	S2025	Walter P Moore
Ily Nelson	Senior	Hinman History	S2025	MSD Prof Engs
Lani Alo	Senior	Hinman History	S2025	Mulhern+Kulp
Danielle Flores	Senior	Structures Labs	S2025	19six Architects
Diego Tomas	Senior	Structures Labs	S2025	Skyline Engineering
Calvin Vigeant*	Senior	Structural Repair	F 2024	Studio Prime Eng
Roger Biddle*	Senior	Structural Repair	F 2024	FTF Engineering
Sophia Maglabe*	MS	RC Walls	F 2024	MHP Structural Engs
Sheyna Rongong*	MS	RC Walls	F 2024	Rinne & Peterson, Inc
Andrew Duong*	MS	RC Walls	F 2024	Labib Funk + Assoc
Tynan Castro	Senior	EERI Competition	W 2024	Kurt Fischer Struc Eng
Payton Filippin	Senior	EERI Competition	W 2024	Strandberg Eng
Payton McGee	Senior	EERI Competition	W 2024	Holmes
Dalton Muck	Senior	EERI Competition	W 2024	ZFA Structural Engs
Kennedy Gomez	Senior	Python Manual	F 2023	Coffman Engineers
Meileen Yee	Senior	Python Manual	F 2023	---
Aaron Dewey	Senior	Python Manual	F 2023	KPFF
Kate Robinson	Senior	EERI Competition	W 2023	MSD Prof Engs
Tomlinn Cox	Senior	EERI Competition	W 2021	Veitas Engineers
Rory de Sevilla*	MS	RC Walls	F 2020	Degenkolb
Jerry Luong*	Senior/MS	RC Walls	F 2020	Degenkolb
Ryan Schwartz	Senior	DIC	F 2020	Enercon Services
Tracy Doan*	MS	RC Walls	S 2020	Innovative Struct Eng
Jenna Williams*	MS	RC Walls	S 2020	Tipping Structural
Nicole Buck	MS	DIC	S 2020	Univ of Auckland
Anisha Datta	Senior	2017 Mexico EQ	S 2019	RR+J
Rachel Chandler	Senior	2017 Mexico EQ	W 2019	Nextracker
Luke Ostrom*	Senior	RC Walls	F 2018	Timberlab
Jack Bergquist	Senior	Deep Learning	F 2018	Buehler Engineering
Garrett Brown*	Senior	Reaction Frame	S 2018	JE Dunn Construction
Charles Facciolo	Senior	Dynamics Labs	S 2018	Jacobs

\*Co-advised with other Cal Poly faculty and/or served as a committee member

### List of other teaching contributions

#### **Workshops and Webinars Conducted (presenters' names noted with asterisk).**

- Behrouzi, A.\* Teaching Concrete Design: Visualizing Systems and Behaviors (2021-25), Diversity, Equity, and Inclusion in Reinforced Concrete Design Instruction (2022-25), Developing Excel Tools for Reinforced Concrete Design (2024-25). ACI Professors' Workshop. Virtual: July 21, 2021. Farmington Hills, MI: July 26, 2022; July 25-26, 2023; July 23-24, 2024; and July 22-23, 2025.
- Behrouzi, A., N. Buck, and S. Navias. Designing Structures for Earthquakes. Virtual Summer Camp through Cal Poly Engineering Possibilities in College (EPIC) Program. June 20-July 22, 2021.
- Behrouzi, A.\* and. D Moug\*. Exploring Innovative Teaching Methods in Science & Engineering. EERI Younger Members Committee Webinar. Feb 13, 2020.
- Behrouzi, A\*. Why Buildings Don't Fall Down. 2014 STEM Beginning Teacher Conference. Champaign, IL. July 29, 2014.
- Kuchma, D.A\*, A. Behrouzi\*, and A. Mock. Why Buildings Don't Fall Down. 2013 STEM Beginning Teacher Conference. Champaign, IL. July 31, 2013.

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## SERVICE

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### **Departmental service**

2023 – 2024	Department Head & Tenure-Track Search Committees
2020 – present	Advancement Committee
2019 – 2023	Master’s Program Committee
2016 – present	Faculty Advisor of EERI Student Chapter
2016 – present	Scholarship and Laboratories Committees
2018, 2022	Co-coordinator of Open House

### **College service**

2020 – 2024	Faculty Advisor of Student Diversity, Equity & Inclusion Committee
2019 – present	Faculty/Staff Diversity, Equity & Inclusion Committee
2017 – 2018	Resilience Symposium Steering Committee

### **University service**

2025 – present	Advisory Board, National and International Scholarships and Fellowships (NIFS)
2021 – 2022	College Caucus Chair, Academic Senate
2020 – 2022	Senator, Academic Senate

### **Professional society and other service**

#### ***American Concrete Institute***

2020 – present	Chair of ACI SC-0A Award Promotion & Student Engagement
2020 – present	Member of Women in ACI
2019	Chair of Task Group S805 Graduate Student Travel Stipend Contest
2019	Excellence in Concrete Construction Awards Judge (Mid-Rise Buildings)
2018 – 2020	Committee Advisor of ACI S805 Concrete Collegiate Council
2017 – present	Member of ACI SC-00 Scholarship Council
2016 – present	Member of ACI 133 Disaster Reconnaissance Committee
2016 – 2018	Member of Student & Young Professional Activities Committee

#### ***American Society of Civil Engineers***

2016 – 2019	Peer-reviewer for ASCE Journal of Professional Issues in Engineering Education (now Journal of Civil Engineering Education)
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#### ***American Society of Engineering Education***

2015 – 2023	Peer-reviewer for ASEE Annual Conference papers
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#### ***Earthquake Engineering Research Institute***

2022	Co-moderator of 12NCEE Special Session
2021 – 2023	Secretariat of School Earthquake Safety Initiative (SESI) Committee
2017 – 2019	Co-chair of Younger Members Committee
2017 – 2018	Member of Student Activities Committee
2016 – present	Member of Younger Members Committee
2015 – 2016	Member of Organizing Committee for 2016 EERI Annual Meeting
2014 – 2015	Co-president of Student Leadership Council
2013 – 2014	Co-chair of Seismic Design Competition

#### ***Grant Review***

2021	NSF/NIST Review Panelist of Disaster Resilience Proposals
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**Other service:** Mentoring of students from alma maters NC State and Univ of Illinois at Urbana-Champaign.