

Andreas Stavridis, Ph.D.

Associate Professor,

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Andreas Stavridis is an Associate Professor in the Dept. of Civil, Structural and Environmental Engineering and the Deputy Director of the Structural and Earthquake Engineering Simulation Laboratory at the University at Buffalo. His research, so far funded by NSF, USGS, NIST, ATC, NYS-DOT, FHWA, and the private sector, concentrates on the assessment and improvement of the performance of existing and new RC and masonry structures under service and extreme loads. He tests large-scale structures in the laboratory with and without retrofit measures, and new and deteriorated buildings and bridges in the field; develops and validates detailed and simplified numerical and analytical tools to simulate the response of such structures to ordinary and extreme loads; uses system identification methods to enable localization and quantification of damage and its effects on the remaining strength of deteriorated structures. His research experience includes:

- shake-table experiments of multi-story structures made of reinforced concrete, reinforced and unreinforced masonry with and without retrofit schemes,
- quasi-static tests of frames, walls, and beams obtained from a deteriorated bridge,
- fast hybrid tests on steel frames with braces,
- dynamic tests on actual buildings using mobile shakers,
- pullout tests on reinforcement bars in concrete and masonry structures,
- shake-table experiments of server racks and qualification tests of a circuit breaker,
- tests using a soil box
- instrumentation of actual buildings and bridges deteriorated due to earthquakes and/or aging.

The methodology to assess infilled RC and steel frames Dr. Stavridis developed with his students is adopted by ASCE/SEI 41-17/23. A second methodology he proposed is adopted by ATC 78-7/ FEMA P-2018. He has peer reviewed the revision of the seismic code on infilled RC frames in New Zealand, and research proposals in the US, Italy, Greece, and Israel. He participated with his doctoral students in five NSF/USGS/ATC-funded reconnaissance trips in Nepal after the 2015 earthquake and Mexico City following the 2017 earthquake. He also collaborated with universities in UK, US, Nepal, Italy, industry, local authorities, and the World Bank in a \$2.6M project aiming at improving the resilience of schools in Nepal. During his sabbatical leave in 2022, he worked as a Fulbright Specialist on a project focusing on the seismic assessment of school buildings in Argentina.

Dr. Stavridis has taught six undergraduate and graduate courses in the field of structural engineering, and he has organized outreach activities for students in elementary school through high school. Besides the courses at the University at Buffalo, he has taught a short course on Reinforced Masonry Structures at the University of Brescia, Italy; short courses funded by USAID on the Assessment of Infilled RC Frames in Kathmandu, Nepal; and a short course on Structural Health Monitoring in ESPE University in Quito, Ecuador.

EDUCATION

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| Ph.D. in Structural Engineering, University of California, San Diego | 2009 |
| M.Sc. in Structural Engineering, University of California, San Diego | 2004 |
| Diploma in Civil Engineering, National Technical University of Athens, Greece | 2002 |

ACADEMIC APPOINTMENTS

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| Associate Professor, Dept. of Civil, Structural and Environmental Engineering, University at Buffalo, State University of New York. | 2019- present |
| Assistant Professor, Dept. of Civil, Structural and Environmental Engineering, University at Buffalo, State University of New York. | 2013-2019 |
| Assistant Professor, Dept. of Civil Engineering, University of Texas at Arlington | 2011-2013 |
| Postdoctoral Researcher, Dept. of Structural Engineering, University of California, San Diego | 2010-2011 |

OTHER APPOINTMENTS

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| Deputy Director, Structural and Earthquake Engineering Simulation Laboratory, University at Buffalo, State University of New York. | 2021- present |
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RESEARCH INTERESTS

Earthquake engineering
 Analysis and design of concrete and masonry structures
 Quantifying and improving the resilience of the built environment
 Structural assessment of deteriorated buildings and bridges
 Retrofit of bridges and buildings subjected to ordinary and extreme loads
 Micro- and macro-modeling of buildings and bridges
 Large-scale static and dynamic testing of structures and non-structural elements
 Use of sustainable, innovative, and composite materials in civil applications

MAJOR AWARDS

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| Fulbright Award to work as Fulbright Specialist on a project with the National Technical University of Mendoza, Argentina. | 2022 |
| Research Award awarded by the American Institute of Architects-Oregon Chapter during the 2019 Resilience Symposium. | 2019 |
| Engineering Educator of the Year Award, awarded by the Erie-Niagara Chapter of the New York Society of Professional Engineers. | 2017 |
| Best Doctoral Dissertation Award awarded by The Masonry Society for the best doctoral dissertation in 2010 on masonry. | 2010 |
| NSF Award for the “Most Effective Education, Outreach and Training Activity” for Integrating NEES Research into California State Summer School for Mathematics and Science (COSMOS). | 2008 |
| Fellowship for Graduate Studies Outside Greece, awarded by the National Technical University of Athens (NTUA) and Eugenideio Foundation (awarded to one student each year). | 2002 |

OTHER HONORS AND AWARDS

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| • Invitation and travel award by the Softwook Lumber Board to participate to the Wood design workshop in Clemson University, | 06/2023 |
| • NSF Travel Award to participate and present research paper at the 2 nd NHERI-EUCentre research symposium, Pavia, Italy | 09/2019 |
| • Invited by Chinese Association in Earthquake Engineering to present recent research findings | 08/2016 |
| • NSF Travel Award to participate and present research papers at the CUEE | 03/2015 |

- Annual Meeting, Tokyo, Japan
- 10 US National Conference on Earthquake Engineering, Anchorage, AK 07/2014
 - 10th NEES/E-Defense Planning research Meeting, Kyoto, Japan. 12/2013
 - 9th US National/10th Canadian Conf. on Earthquake Engineering, Toronto. 06/2010
 - 7th CUEE and 5th ICEE Conf., Tokyo Institute of Technology, Tokyo, Japan. 02/2010
 - NSF CMMI Research and Innovation Conference, Honolulu, HI. 06/2009
 - 4th NEES Annual Meeting, Washington, DC 06/2006

AWARDS RECEIVED BY ADVISEES

- Undergraduate research, awarded to Raymond Hilly, by the CSEE Department, University at Buffalo. 2019
- Robert P. Apmann Memorial Award, awarded to Jonathan Kestelman, by the CSEE Department, University at Buffalo. 2019
- Best Presentation in the 2018 Symposium, awarded to Xuan Gao by the student chapter of Earthquake Engineering Research Institute, University at Buffalo. 2018
- Best Presentation in the 2017 Symposium, awarded to S. Bose by the student chapter of Earthquake Engineering Research Institute, University at Buffalo. 2017
- Chair's Graduate Recognition Award, awarded to S. Yousefianmoghadam by the Department of Civil, Structural and Environmental Engineering, University at Buffalo. 2017
- O.H. Amman Fellowship awarded to S. Yousefianmoghadam by the American Society of Civil Engineers. 2016
- Best Undergraduate Paper in the National Competition, awarded to L. Pavone by the Earthquake Engineering Research Institute (EERI). 2015

PROFESSIONAL LICENSURE

Engineer-In-Training (EIT) in California
Registered Professional Civil Engineer in Greece

PROFESSIONAL AFFILIATIONS

American Concrete Institute (ACI) The Masonry Society (TMS)
American Society of Civil Engineers (ASCE) Technical Chamber of Greece (TEE)
Earthquake Engineering Research Institute (EERI) Greek Society of Civil Engineers (ΣΠΙΜΕ)

RESEARCH PROJECTS

A. Funded Projects as the Sole/Lead-PI

Total award amount: \$1,431,081

- G1. "Experimental and Numerical Study for the Design of Brick Veneer Walls" 11/2022-12/2024
Role: Sole-PI. Award from Brick Industry Association. Amount: \$114,246. The project includes in-kind donations of \$120,000 for the experimental work and reduced IDC of 15%.
- G2. "Seismic rehabilitation of unreinforced masonry structures" 08/2019-07/2024
Role: PI. Award from NIST. Amount: \$584,000.
- G3. "Strengthening Methods for Pre-stressed/Pre-Tensioned Concrete Beams" 08/2019-07/2021
Role: Sole-PI. Award from NYS-DOT. Amount: \$107,750.

- G4. "Bridge in a Box: Optimizing the design of an aluminum bridge" 05/2018-09/2018
Role: Sole-PI. Award from American Douglas Metals. *Amount:* \$23,948.
- G5. "Support for Research Experience for Undergraduate Students" 05/2018-07/2018
Role: Sole-PI. NSF Award #1810899. *Amount:* \$8,000.
- G6. "Identification and Mitigation of Non-ductile Concrete Buildings with Masonry Infills." 2/2018-8/2018
Role: Sole-PI. Award from ATC-78-7. *Amount:* \$48,090.
- G7. "Instrumentation of Buildings after the 2017 Central Mexico Earthquake" 10/2017-1/2018
Role: Sole-PI. Award from ATC-78/134. *Amount:* \$3,200.
- G8. "Distribution of Seismic Demand and Damage During the 2015 Gorkha Earthquake." 06/2017-12/2019
Role: Sole-PI. Award from USGS. *Amount:* \$70,000.
- G9. "Support for Research Experience for Undergraduate Students" 06/2013-08/2017
Role: Sole-PI. NSF Award #1430180. *Amount:* \$49,211.
- G10. "Field Determination of Dead Load Stresses in Concrete Bridges" 10/2016-06/2017
Role: Sole-PI. WNY Association for Bridge Construction. *Amount:* \$10,000
- G11. "Peer review of for Section C7 (Infill Panels) of the NZSEE Seismic Assessment Guidelines." 10/2015-1/2016
Role: Sole-PI. *New Zealand Ministry of Business, Innovation and Employment.* *Amount:* \$5,400.
- G12. "Dynamic tests of a two-story building using the UCLA mobile shakers" 08/2014-12/2014
Role: PI. NSF Award #1430180. *Amount:* \$40,000.
- G13. "Experimental estimation of the friction coefficient between iron ore and concrete slabs" 05/2014-06/2014
Role: Sole-PI. Exponent Inc. *Amount:* \$17,115.
- G14. "Pre/Post Earthquake Damage Assessment for Infilled RC Frame Buildings" 09/2012-08/2017
Role: Lead-PI. NSF/NEESR Award #1235496. *Amount:* \$349,941.

B. Funded Projects led by Colleagues in Other Institutions in which A. Stavridis is the Sole-PI at UB

Total award amount: \$181,077 (AS share: \$45,718)

- G15. "RAPID/Collaborative Research: The Effects of the 2017 Central Mexico Earthquake on New, Retrofitted, and Old Buildings" 12/2017-12/2018
Role: Sole-PI at UB. NSF Award. #1810899. Total award amount: \$99,751 (AS share \$21,741).
- G16. "RAPID/Collaborative Research: Post-Disaster, Reinforced Concrete Building Performance Data Collection following the April 25, 2015 Nepal Earthquake" 07/2015-06/2017
Role: Sole-PI at UB. NSF Award #1545595. Total award amount: \$81,326 (AS share: \$24,040).

C. Projects Led by Colleagues in UB in which A. Stavridis is the co-PI

Total award amount: \$295,720 (AS share: \$143,500)

- G17. "Development of Concrete Bridge Shear Load Rating Guidance and Examples Using the MCFT." Collaborator: P. Okumus 07/2019-06/2021
Role: co-PI. Award from FHWA. Award mount: \$260,000 (AS share: \$130,000).
 Collaborators: P. Okumus (PI) and Modjeski and Masters.

- G18. “Performance of NRG Concrete Masonry Units subjected to Tornado Winds and Missiles.” 06/2018-11/2018
Role: co-PI. Award from NRG. Award amount \$27,810 (AS share: \$11,900).
 Collaborators: T. Wu (PI).
- G19. “Using corbelled compressive structural systems to extend building longevity.” 03/2016-12/2016
Role: co-PI. Award from the SMART Community of Excellence at UB.
 Award amount: \$7,910 (AS share: \$1,600).
 Collaborators: G. Rafailidis (School of Architecture, Lead PI) and N. Napp (CSE, co-PI).

D. International Projects A. Stavridis participated as advisor/consultant without direct monetary compensation

- G20. “Safer: Seismic Safety Resilience of Schools in Nepal.” Role: Partner/Co-advisor of post-doctoral researcher. Award Engineering and Physical Sciences Research Council (EPSRC)-UK. Amount: \$2,670,385. 07/2017-06/2020

JOURNAL PUBLICATIONS

Names of advisees are underlined.

A. Published Manuscripts (41)

- J1. Martakis P., Y. Reuland, A. Stavridis, E. Chatzi. “Fusing damage-sensitive features and domain adaptation towards robust damage classification in real buildings.” *Soil Dynamics and Earthquake Engineering*, 166(1):107739. <https://doi.org/10.1016/j.soildyn.2022.107739>. March 2023.
- J2. Singh R.R., M. Bruneau, A. Stavridis, K. Sett. “Resilience deficit index for quantification of resilience.” *Resilience Cities and Structures*, Vol 1(2): 1-9. <https://doi.org/10.1016/j.rcns.2022.06.001>. June 2022.
- J3. Bose S. and A. Stavridis. “A computationally efficient framework for the simulation of the nonlinear seismic performance of infilled RC frame buildings.” *Engineering Structures*. Vol(259): 114039. <https://doi.org/10.1016/j.engstruct.2022.114039>. May 2022.
- J4. Tsiavos A., A. Sextos, A. Stavridis, M. Dietz, L. Dihoru, and N. Alexander. “Experimental investigation of a highly efficient, low-cost PVC-Rollers Sandwich (PVC-RS) seismic isolation.” *Structures*. Vol(33): 1590-1602. <https://doi.org/10.1016/j.istruc.2021.05.040>. October 2021.
- J5. Tsiavos A., A. Sextos, A. Stavridis, M. Dietz, L. Dihoru, F. di Michele, N. Alexander. “Low-cost hybrid design of masonry structures for developing countries: shaking table tests.” *Soil Dynamics and Earthquake Engineering*. 2021, Vol(146): 106675, <https://doi.org/10.1016/j.soildyn.2021.106675>. July 2021.
- J6. Akhlaghi M.M., S. Bose, M.E. Mohammadi, B. Moaveni, A. Stavridis, R.L. Wood. “Post-earthquake damage identification of an RC school building in Nepal using ambient vibration and point cloud data.” *Engineering Structures*. Vol(227): 111413. <https://doi.org/10.1016/j.engstruct.2020.111413>. January 2021.
- J7. Ghofrani F., S. Yousefianmoghadam, Q. He, A. Stavridis. “Rail breaks arrival rate prediction: a physics-informed data-driven analysis for railway tracks.” *Measurement* <https://doi.org/10.1016/j.measurement.2020.108858>, December 2020.
- J8. Soti R., A. Barbosa, and A. Stavridis. “Numerical modeling of URM walls retrofitted with embedded reinforcing steel.” *Frontiers in Built Environment*. <https://doi.org/10.3389/fbuil.2020.590302>. November 2020.
- J9. Lan Y. J., A. Stavridis, I. Kim, G. Diaz-Fanas, J. Heintz, L. Hernández-Bassal, E. Anzola, R. Berkowitz, S. Hussain, A. Jalalian, E. Garini, O.J. Ktenidou, S. Yousefianmoghadam, H. Carrion, R. Valles-Mattox, V. Dominguez Maldonado, A.G. Contreras, S.R. Almanza Camacho, R.F. Bojórquez Hernández, V.A. Ruiz Medina, F. Vallejo Martinez, T. Vaxevanis, S. Nikolaou, R. Gilsanz. “ATC Mw7.1 ATC Mw7.1

- Puebla-Morelos Earthquake Reconnaissance Observations Part II: Structural Observations and Instrumentation.” *Earthquake Spectra*. Vol. 36(2_suppl): 5-30. <https://doi.org/10.1177/8755293020964828>. December 2020.
- J10. G. Diaz-Fanas, E. Garini, O.J. Ktenidou, G. Gazetas, T. Vaxevanis, Y.J. Lan, J. Heintz, X. Ma, E. Korre, R. Valles-Mattox, A. Stavridis, I. Kim, L. Hernandez-Bassal, E. Anzola, R. Berkowitz, S. Hussain, A. Jalalian, H. Carrion, V. Dominguez Maldonado, A.G. Contreras, S.R. Almanza Camacho, R.F. Bojorquez Hernandez, V.A. Ruiz Medina, F. Vallejo Martinez, R. Gilsanz, S. Nikolaou. “ATC Mw7.1 Puebla-Morelos Earthquake Reconnaissance Observations Part I: Seismological, Geotechnical, Ground Motions, Site Effects, and GIS Mapping.” *Earthquake Spectra*. Vol. 36(2_suppl): 31-48. <https://doi.org/10.1177/8755293020977520>, December 2020.
- J11. Alcocer S., A. Behrouzi, S. Brena, K. Elwood, A. Irfanoglu, M. Kreger, R. Lequesne, G. Mosqueda, S. Pujol, A. Puranam, M. Rodriguez, P. Shah, A. Stavridis, R. Wood. “Observations about the seismic response of RC buildings in Mexico City.” *Earthquake Spectra*. 2020; doi:10.1177/8755293020942523. August 2020
- J12. Tsiavos A., A. Sextos, A. Stavridis, M. Dietz, L. Dihoru, and N. Alexander. “Large-scale experimental investigation of a low-cost PVC ‘sand-wich’ (PVC-s) seismic isolation for developing countries” *Earthquake Spectra*. Published ahead of print. <https://doi.org/10.1177/8755293020935149>. July 2020
- J13. Yousefianmoghadam S., M. Song, M. Mohammadi, B. Packard, A. Stavridis, B. Moaveni, R.L. Wood. “Nonlinear dynamic testing of an RC frame building at different damage states.” *Earthquake Engineering and Structural Dynamics*. 2020:1-22. <https://doi.org/10.1002/eqe.3271>. May 2020.
- J14. Bose S., J. Martin and A. Stavridis. “Simulation framework for infilled RC frames subjected to seismic loads.” *Earthquake Spectra*. 35(4): 1739-1762. doi: 10.1193/042218EQS100M, November 2019.
- J15. Song M., B. Moaveni, C. Papadimitriou, and A. Stavridis. “Accounting for amplitude of excitation in model updating through a hierarchical Bayesian approach: application to a two-story reinforced concrete building.” *Journal of Mechanical Systems and Signal Processing*. 123:68-83. May 2019.
- J16. Behmanesh I., S. Yousefianmoghadam, A. Nozari, B. Moaveni, and A. Stavridis. “Uncertainty Quantification and Propagation Using Ambient Vibration Measurements, Application to a 10-story Building.” *Journal of Mechanical Systems and Signal Processing*. 107: 502-514. February 2018.
- J17. Redmond L., A. Stavridis, L. Kahn, R. DesRoches. (2018). “Finite element modeling of hybrid concrete-masonry frames subjected to in-plane loads.” *Journal of Structural Engineering*. 144(1): 04017178. doi: 10.1061/(ASCE)ST.1943-541X.0001913. January 2018
- J18. Song, M., S. Yousefianmoghadam, M.E. Mohammadi, B. Moaveni, A. Stavridis, and R.L. Wood (2017). “Damage assessment of a two-story RC building through FE model updating and Lidar scans.” *Structural Health Monitoring*. DOI: 10.1177/1475921717737970. November 2017.
- J19. Barbosa A., L.A Fahnestock, D.R. Fick, D. Gautam, R. Soti, R. Wood, B. Moaveni, A. Stavridis, and M. Olsen (2017). “Performance of Medium-to-High Rise Reinforced Concrete Frame Buildings with Masonry Infill in the 2015 Gorkha, Nepal, Earthquake” *Earthquake Spectra*. November 2017.
- J20. Brando G., D. Rapone, E. Spacone, M. Olsen, M. O’Banion, A.R. Barbosa, M. Fagella, R. Gigliotti, D. Liberatore, S. Russo, L., Sorrentino, S. Bose, and A. Stavridis (2017). “Seismic behavior of unreinforced masonry buildings: damage reconnaissance after the 2015 Gorkha Earthquake in Nepal.” *Earthquake Spectra*. November 2017.
- J21. Nozari, A., I Behmanesh, S. Yousefianmoghadam, B. Moaveni, and A. Stavridis (2017). “Effects of variability in ambient vibration data on model updating and damage identification of a 10-story building.” *Journal of Engineering Structures*. 151: 540-553. doi:10.1016/j.engstruct.2017.08.044. November 2017.
- J22. Preti M., V. Bolis, A. Stavridis (2017). “Infill-frame interaction of masonry walls partitioned with horizontal sliding joints: analysis and simplified modeling.” *Journal of Earthquake Engineering*. September 2017. doi: 10.1080/13632469.2017.1387195. September 2017.
- J23. Yousefianmoghadam S., I. Behmanesh, A. Stavridis, B. Moaveni, A. Nozari, and A. Sacco

- (2017). “Dynamic testing system identification and modeling of a 10-story concrete structure at four damage states.” *Earthquake Engineering and Structural Dynamics*. doi:10.1002/eqe.2935. July 2017.
- J24. Preti M., N. Bettini, L. Migliorati, V. Bolis, A. Stavridis, and G. Plizzari (2017). “Analysis of the in-plane response of adobe infill walls with sliding joints.” *Earthquake Engineering and Structural Dynamics*. 45(8): 12009-1232. doi: 10.1002/eqe.2703. February 2017.
- J25. Yu H., M.A Mohammed, M.E. Mohammadi, B. Moaveni, A.R. Barbosa, A. Stavridis and R.L. Wood (2017). “Structural identification of an 18-story RC building in Nepal using post-earthquake ambient vibration data.” *Frontiers of Built Environment*. (3)11. doi: 10.3389/fbuil.2017.00011. January 2017.
- J26. Stavridis, A., F. Ahmadi, M. Mavros, B. Shing, R. Klingner, and D. McLean (2016). “Shake-table tests of a full-scale three-story reinforced masonry shear wall structure.” *Journal of Structural Engineering*. 142(10) 04016074. doi: 10.1061/(ASCE)ST.1943-541X.0001527. October 2016.
- J27. Mavros, M., F. Ahmadi, B. Shing, R. Klingner, D. McLean, and A. Stavridis (2016). “Shake-table tests of a full-scale two-story shear-dominated reinforced masonry wall structure.” *Journal of Structural Engineering*. 142(10) 04016078. doi: 10.1061/(ASCE)ST. 1943-541X.0001528. October 2016.
- J28. Bolis V., A. Stavridis, and M. Preti (2016). “Numerical investigation of the in-plane performance of masonry-infilled RC frames with sliding joints.” *Journal of Structural Engineering*. 143(2) doi: 0.1061/(ASCE)ST.1943-541X.0001651. September 2016.
- J29. Redmond L., P. Ezzatfar, R. DesRoches, A. Stavridis, G. Ozcebec, and O. Kurc (2016). “Finite element modeling of RC frame with masonry infill and mesh reinforced mortar subjected to earthquake loading.” *EERI Earthquake Spectra*. 32(1): 393-414. doi: 10.1193/081314EQS128M. February 2016.
- J30. Murcia-Delso, J., A. Stavridis, and B. Shing (2015). “Tension development of large-diameter bars for severe cyclic loading.” *Structural Journal, ACI*. 112(06): 689-700. November 2015.
- J31. Redmond L., A. Stavridis, and R. DesRoches (2015). “Evaluation of modeling scheme for unreinforced masonry under seismic loading.” *Journal of the Masonry Society*. 32(1): 11-20. April 2015.
- J32. Asgarieh E., B. Moaveni, and A. Stavridis (2014). “Nonlinear finite element model updating of an infilled frame based on identified time-varying modal parameters during an earthquake.” *Journal of Sound and Vibration* 333(23), 6057-6073. November 2014. Special Publication. 297: 1:20. March 2014.
- J33. Shing, B. and A. Stavridis (2014). “Analysis of masonry-infilled RC frames through collapse.” *ACI Special Publication*. 297: 1:20. March 2014.
- J34. Moaveni, B., A. Stavridis, G. Lombaert, J.P. Conte, and P.B. Shing (2013). “Finite-element model updating for assessment of progressive damage in a 3-story infilled RC frame.” *Journal of Structural Engineering, ASCE*. 139, SPECIAL ISSUE: Real-World Applications for Structural Identification and Health Monitoring Methodologies, 1665–1674. October 2013. doi: 10.1061/(ASCE)ST.1943-541X.0000586.
- J35. Shing B, I. Koutromanos, and A. Stavridis (2013). “Seismic performance of masonry-infilled RC frames with and without retrofit.” *Journal of Earthquake and Tsunami*. 7(3), 1350023. September 2013. doi: 10.1142/S1793431113500231.
- J36. Murcia-Delso, J., A. Stavridis, and P.B. Shing (2013). “Bond strength and cyclic bond deterioration of large-diameter bars in confined concrete.” *Structural Journal, ACI*. 110(4): 659-670. July 2013.
- J37. Koutromanos, I., M. Kyriakides, A. Stavridis, S. Billington, and P.B. Shing (2013). “Shake-table tests of a three-story masonry-infilled RC frame retrofitted with composite materials.” *Journal of Structural Engineering, ASCE* 139(8), SPECIAL ISSUE: NEES 2: Advances in Earthquake Engineering, 1340–1351. August 2013. doi: 10.1061/(ASCE)ST.1943-541X.0000689.
- J38. Stavridis, A., I. Koutromanos, and P.B. Shing (2012). “Shake-table tests of a three-story reinforced concrete frame with masonry infill walls.” *Earthquake Engineering and Structural Dynamics*. 41: 1089–1108. May 2012. doi: 10.1002/eqe.1174.
- J39. Koutromanos I., A. Stavridis., and P.B. Shing (2011). “Numerical modeling of masonry-infilled

RC frames subjected to seismic loads.” *Journal of Computers and Structures*. 89:1026-1037. June 2011. doi: 10.1016/j.compstruc.2011.01.006.

- J40. Stavridis, A. and P.B. Shing (2010). “Hybrid testing and modeling of a suspended zipper steel frame.” *Earthquake Engineering and Structural Dynamics*. 39:187-207. February 2010. doi: 10.1002/eqe.940.
- J41. Stavridis, A. and P.B. Shing (2010). “Finite element modeling of nonlinear behavior of masonry-infilled RC frames.” *Journal of Structural Engineering, ASCE*. 136(3):285-296. March 2010. doi: 10.1061/(ASCE)ST.1943-541X.0000116.

B. Manuscripts Accepted/in Press (0)

C. Manuscripts Under Review/Revision (4)

- J42. Bose S. and A. Stavridis. “Insight into the nonlinear seismic behavior of two high-rise buildings using a novel modeling framework.” *Journal of Building Engineering*. (being revised to address comments from reviewers).
- J43. Martin J. and A. Stavridis. “Understanding and estimating the lateral resistance of infilled reinforced concrete frames.” *Bulletin of Earthquake Engineering*. (being revised to address comments from reviewers).
- J44. Bose S., A. Stavridis, P. Anastasopoulos, and K. Sett. “Fragility curves for a school building accounting for uncertainties in material properties using a dad-driven surrogate model.” *Journal of Disaster Prevention and Resilience*. (being revised to address comments from reviewers).
- J45. Bose S., S. Yousefianmoghadam, A. Nozari, M.E. Mohammadi, F. Janadnejad, G.P. Martindale, A. Stavridis, B. Moaveni, R.L. Wood, D. Gillins. “Assessment of a school building at Sankhu damaged by the 2015 Nepal earthquake.” *Engineering Structures*.” (under initial review).

REPORTS AND BOOK CHAPTERS (5)

- R1. Yousefianmoghadam S., A. Stavridis, M. Pitman, Y. Fu (2020). “Shake table vibration and shock tests on UB computers and servers.” *Internal Report*. University at Buffalo, March 2020.
- R2. Murcia-Delso J., B. Shing, A. Stavridis, and Y. Liu (2013). “Required embedment length of column reinforcement extended into Type II shafts.” *SSRP-13/05 Report*, UCSD, La Jolla, September 2013.
- R3. Earthquake Engineering Research Institute (2010). “The El Mayor Cucapah, Baja California Earthquake April 4, 2010.” *An EERI Learning from Earthquakes Report*, EERI, Oakland, CA, October 2010
- R4. Schoettler M., and A. Stavridis, contribution in the book “Advances in the protection of museum collections from earthquake damage.” *Getty Publications*, Malibu, June 2008
- R5. Kosmatka, J.B., S. A. Ashford, M. Robinson, and A. Stavridis (2004). “Rapidly deployable composite bridge project.” *SSRP-04/09 Report*, UCSD, La Jolla, July 2004.

SEISMIC CERTIFICATION REPORTS (1)

- Q1. Fu Y., M. Pitman, and A. Stavridis (2021). “Seismic qualification by shake-table testing of a Mitsubishi 245kV Circuit Breaker on Support to IEEE std 693-2018.” *Report No. SEESL-2021.07*, University at Buffalo, March 2021.

PEER-REVIEWED MANUSCRIPTS PUBLISHED IN CONFERENCE PROCEEDINGS (59)

Names of advisees are underlined.

- C1. Pelucco S., R. Milanesi, P. Morandi, V. Bolis, A. Stavridis, G. Magenes, M. Preti (2022). "Numerical study on the seismic interaction between innovative ductile masonry infills and RC elements." *Proc. 5th International Workshop on the Seismic Performance of Non-Structural Element (SPONSE)*, Stanford, CA, December 2022.
- C2. Stavridis A., S. Bose (2020). "Simulation of the nonlinear seismic performance of a school building in Nepal using a box modeling framework." *Proc. 17th World Conference in Earthquake Engineering*, Sendai, Japan, September 2020.
- C3. Arcentales I., V. Yopez, E. Morales, A. Stavridis, S. Yousefianmoghadam, M. Romo (2020). "System Identification and nonlinear modeling of the retrofitted naval hospital Hosnag damaged after the 2016 Ecuador earthquake." *Proc. 17th World Conference in Earthquake Engineering*, Sendai, Japan, September 2020.
- C4. Bose S., A. Stavridis, PC Anastasopoulos, K. Sett (2019). "Surrogate Statistical Model of a School Building in Nepal Using ASCE 41-17." *Proc. ICONHIC 2016*, Chania, Greece, June 2019.
- C5. Akhlaghi MM, S. Bose, PL Green, B. Moaveni, A. Stavridis (2019). "Bayesian Model Updating of a Five-Story Building Using Zero-Variance Sampling Method." *Model Validation and uncertainty Quantification*, Vol 3. Pp 149-151. January 2019.
- C6. Martin J. and A. Stavridis (2018). "Evaluation of a simplified method for the estimation of the lateral resistance of infilled RC frames." *Proc. of the 16th European Conference on Earthquake Engineering*, Thessaloniki, Greece, June 2018.
- C7. Gao X. and A. Stavridis (2018). "Experimental investigation of an innovative retrofit scheme for existing infilled RC frames." *Proc. of the 16th European Conference on Earthquake Engineering*, Thessaloniki, Greece, June 2018.
- C8. Yousefianmoghadam S. and A. Stavridis (2018). "Novel material law for nonlinear modeling of RC infilled frames." *Proc. of the 11th National Conference on Earthquake Engineering*, Los Angeles, CA, June 2018.
- C9. Gao X., A. Stavridis, V. Bolis, and M. Preti (2018). "Experimental study on the seismic performance of non-ductile RC frames infilled with sliding subpanels." *Proc. of the 11th National Conference on Earthquake Engineering*, Los Angeles, CA, June 2018.
- C10. Bose S., J. Martin*, and A. Stavridis (2018). "Framework for the non-linear dynamic simulation of the seismic response of infilled RC frames." *Proc. of the 11th National Conference on Earthquake Engineering*, Los Angeles, CA, June 2018.
- C11. Bose S. and A. Stavridis (2018). "Modeling of the seismic performance of buildings with infilled RC frames." *Proc. of the 11 National Conference on Earthquake Engineering*, Los Angeles, CA, June 2018.
- C12. Elhami-Khorasani, J. Billittier, and A. Stavridis (2018). "Structural performance of a railway tunnel under different fire scenarios." *Proc. of the 2018 ASME Joint Rail Conference*, Pittsburgh, PA, April 2018.
- C13. Tondi M., Yousefianmoghadam S., Stavridis A., Moaveni B., Bovo M. (2018) Model updating and damage assessment of a RC structure using a finite element model. IMAC XXXIV A Conference and Exposition on Structural Dynamics, Orlando, FL. February 2018.
- C14. Stavridis, A., J. Martin J. and S. Bose. (2017). "Updating the ASCE 41 provisions for Infilled RC frames." *Proc. 2017 SEAOC Convention, San Diego*, California, September 2017.
- C15. Bolis V., M. Preti, and A. Stavridis (2017). "Simplified modeling of masonry infill walls with horizontal sliding joints." *Proc. 6th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, Rhodes, Greece, June 2017.
- C16. Yousefianmoghadam S., Stavridis A., Moaveni B. (2017). Comparative Study on Modal Identification of a 10 Story RC Structure Using Free, Ambient and Forced

- Vibration Data. Proceedings of IMAC XXXV A Conference and Exposition on Structural Dynamics, Garden Grove, CA, February 2017.
- C17. Martin J. and A. Stavridis (2017). "Simplified method to assess the lateral resistance of infilled reinforced concrete frames." *Proc. 16th World Conference in Earthquake Engineering*, Santiago Chile, January 2017.
- C18. Yu H., A. Levine, M. Mohammed, T. van Oss, B. Moaveni, A. Barbosa, and A. Stavridis (2017). "System identification and modeling of an 18-story building in Nepal using post-earthquake ambient vibration data." *Proc. 16th World Conference in Earthquake Engineering*, Santiago Chile, January 2017.
- C19. Bose S., A. Nozari, A. Stavridis, and B. Moaveni (2017). "Nonlinear modeling of the seismic performance of a building at Sankhu Nepal during the 2015 Nepal Earthquake." *Proc. 16th World Conference in Earthquake Engineering*, Santiago Chile, January 2017.
- C20. Nozari, A., S. Bose, B. Moaveni, and A. Stavridis (2017). "Finite element model updating and damage identification of a school building in Sankhu Nepal." *Proc. 16th World Conference in Earthquake Engineering*, Santiago Chile, January 2017.
- C21. Yousefianmoghadam S. and A. Stavridis (2016). "Nonlinear response of a dynamically tested two story infilled RC structure at different damage levels." *Proc. Of 2nd Huixian International Forum on Earthquake Engineering for Young Researchers*. Beijing, China, August, 2016.
- C22. Yousefianmoghadam S., A. Stavridis, I. Behmanesh, B. Moaveni, and A. Nozari (2016). "System Identification and modeling of a 100-year old RC warehouse dynamically tested at several damage states." *Proc. ICONHIC 2016*, Chania, Greece, June 2016.
- C23. Singh M.* and A. Stavridis (2016). Nonlinear analysis of unreinforced masonry structures strengthened with FRP strips under in-plane lateral loads." *Proc. ICONHIC 2016*, Chania, Greece, June 2016.
- C24. Preti M., V. Bolis**, and A. Stavridis (2016). "Design of masonry infill walls with sliding joints for post-earthquake structural control." *Proc. 16th International Brick and Block Masonry Conference*, Padova, Italy, June 2016.
- C25. Varum H., A. Barbosa, A. Arede, A. Vila-Pouca, H. Rodrigues, A.F. Furtado, J. Dias-Oliveira, G. Brando, D. Rapone, E. Spacone, M. Olsen, D. Gillins, R. Soti, A. Stavridis, S. Bose*, M. Fagella, R. Gigliotti, and R. Wood (2016). "April 2015 Gorkha Earthquake in Nepal: field observations." *10th Congresso Nacional de Sismologia e Engenharia Sismica*. Azores, Portugal, April 2016.
- C26. Bose S., A. Nozari, M.E. Mohammadi, A. Stavridis, B. Moaveni, R. Wood, D. Gillins, and A. Barbosa (2016). Structural assessment of a school building in Sankhu, Nepal damaged due to torsional response during the 2015 Gorkha Earthquake." *Proc. of IMAC XXXIV -Engineering Nonlinearities in Structural Dynamics*. 2:31-41. Orlando, Florida, January 2016.
- C27. Behmanesh I., S. Yousefianmoghadam, A. Nozari, B. Moaveni, and A. Stavridis (2016). "Effects of prediction error bias on model calibration and response prediction of a 10-story building." *Proc. of IMAC XXXIV -Engineering Nonlinearities in Structural Dynamics*. Orlando, Florida, January 2016.
- C28. Yousefianmoghadam S., M. Song, A. Stavridis, and B. Moaveni (2015). "System Identification of a two-story infilled RC building at different damage states." *ATC & SEI Conference on Improving the Seismic Performance of Existing Buildings and Other Structures*. San Francisco, California, December 2015.
- C29. Brando G., D. Rapone, E. Spacone, A. Barbosa, M. Olsen, D. Gillins, R. Soti, H. Varum, A. Arede, N. Vila-Pouca, A. Furtado, J. Oliveira, H. Rodrigues, A. Stavridis, S. Bose*, M. Fagella, R. Gigliotti, and R. Wood (2015). "Reconnaissance report on the 2015 Gorkha Earthquake effects in Nepal." *XVI Convegno Anidis*, L'Aquila, Italy, September 2015.
- C30. Preti M., V. Bolis, and A. Stavridis (2015). "Engineered masonry infill walls for post-earthquake structural damage control: role of design parameters." *XVI Convegno Anidis*, L'Aquila, Italy, September 2015.

- C31. Redmond L., A. Stavridis, and R. DesRoches (2014). "Development of a finite element model for partially grouted reinforced masonry." *10th National Conference on Earthquake Engineering*, Anchorage, Alaska, July 2014.
- C32. Reese A. and A. Stavridis (2014). "A simplified method for the estimation of the seismic resistance of RC frames with weak infill panels." *10th National Conference on Earthquake Engineering*, Anchorage, Alaska, July 2014.
- C33. Soti R., A. Barbosa, and A. Stavridis (2014). "Numerical modeling of URM walls retrofitted with embedded reinforcing steel." *10th National Conference on Earthquake Engineering*, Anchorage, Alaska, July 2014.
- C34. Sayah A., A. Stavridis, J. Sherman, and D. McLean (2013). "Finite element modeling of reinforced masonry shear walls under seismic loads." *12th Canadian Masonry Symposium*, Vancouver, British Columbia, June 2013.
- C35. Asgariéh, E., B. Moaveni, and A. Stavridis (2013). "Nonlinear finite element model updating of a large-scale infilled frame structure based on instantaneous modal parameters." *Proc. of IMAC XXXI -Engineering Nonlinearities in Structural Dynamics*. Orange County, California, February 2013.
- C36. Stavridis A. and P.B. Shing (2012). "Simplified modeling of masonry-infilled RC frames subjected to seismic loading." *15th World Conference on Earthquake Engineering*. Lisbon, Portugal, September, 2012.
- C37. Stavridis, A., M. Mavros, F. Ahmadi, P.B. Shing, R. Klingner, and D. McLean (2012). "Shake-table testing of a 3-Story, full-scale, reinforced masonry wall system." *15th International Brick and Block Masonry Conference*. Florianopolis, Brazil, June, 2012.
- C38. Murcia-Delso J., B. Shing, and A. Stavridis (2012). "Bond and development length of large-diameter bars in well confined concrete." *4th International Symposium on Bond in Concrete*. Brescia, Italy, June 2012.
- C39. Asgariéh, E., B. Moaveni, and A. Stavridis (2012). "Nonlinear structural identification of a three-story infilled frame using instantaneous modal parameters." *Proc. of 30th International Modal Analysis Conference (IMAC-XXX)*, Jacksonville, Florida, USA, January 2012.
- C40. Koutromanos I., A. Stavridis, P. Shing, and K Willam (2011). "Numerical modeling of masonry-infilled RC frames subjected to seismic loads." *Sixth MIT Conference on Computational Solid and Fluid Mechanics*, Cambridge, MA, June 2011
- C41. Murcia-Delso J., A. Stavridis, and P.B. Shing (2011). "Modeling the bond-slip behavior of confined large-diameter reinforcing bars." *COMPdyn 2011 Computational Methods in Structural Dynamics and Earthquake Engineering*. Corfu, Greece, May 2011.
- C42. Stavridis A., B. Blackard, P.B. Shing, and K. Willam (2010). "Effect of openings on the lateral load resisting mechanism of masonry infilled RC frames." *2010 SEAOC Convention, Indian Wells*, California, September 2010.
- C43. Shing P.B., I. Koutromanos, A. Stavridis, and S. Arnold (2010). "Seismic retrofit of unreinforced masonry infill walls using advanced composite materials." *2010 SEAOC Convention, Indian Wells*, California, September 2010.
- C44. Stavridis A. and P.B. Shing (2010). "Assessment of the seismic performance of a suspended zipper frame with hybrid testing." *7th CUEE and 5th ICEE*, Tokyo, Japan, March 2010.
- C45. Shing P.B., Koutromanos I., and A. Stavridis (2010). "Shake-table tests and numerical study of the seismic performance of non-ductile RC frames with masonry infill walls." *7th CUEE and 5th ICEE*, Tokyo, Japan, March 2010.
- C46. Stavridis A., I. Koutromanos, and P.B. Shing (2010). "Shake-table tests of a three-story masonry-infilled RC frame." *9th US and 10th Canadian Conference on Earthquake Engineering*. Toronto, Canada, July 2010.
- C47. Koutromanos I., A. Stavridis, and P.B. Shing (2010). "Analysis of the cyclic behavior of masonry-infilled RC frames using the finite element method." *9th US and 10th Canadian Conference on Earthquake Engineering*. Toronto, Canada, July 2010.
- C48. Moaveni B., A. Stavridis, and P.B. Shing (2010). "System identification of a three-

- story infilled RC frame tested on the UCSD-NEES shake table.” *IMAC XXVII Conference and Exposition on Structural Dynamics*. Jacksonville, Florida, February 2010.
- C49. Moaveni B., G. Lombaert, A. Stavridis, J.P. Conte, and P.B. Shing (2010). “Damage identification of a three-story infilled RC frame tested on the UCSD-NEES shake table.” *IMAC XXVII Conference and Exposition on Structural Dynamics*. Jacksonville, Florida, February 2010.
- C50. Shing P.B., A. Stavridis, I. Koutromanos, K. Willam, B. Blackard, M. Kyriakidis, and S. Billington (2009). “Seismic performance of non-ductile RC frames with brick infill.” *ATC & SEI Conference on Improving the Seismic Performance of Existing Buildings and Other Structures*. San Francisco, California, December 2009.
- C51. Billington S., M. Kyriakidis, B. Blackard, K. Willam, A. Stavridis, and P.B. Shing (2009). “Evaluation of a sprayable, ductile cement-based composite for the seismic retrofit of unreinforced masonry infills.” *ATC & SEI Conference on Improving the Seismic Performance of Existing Buildings and Other Structures*. San Francisco, California, December 2009.
- C52. Stavridis A. and P.B. Shing (2009). “Sensitivity analysis of a modeling scheme for masonry-infilled RC frames.” *SEAOC 78th Annual Convention*. San Diego, California. September 2009.
- C53. Stavridis A. and P.B. Shing (2008). “Calibration of a numerical model for masonry-infilled RC frames.” *14th World Conference on Earthquake Engineering*. Beijing, China, October 2008.
- C54. Shing, P.B., J. Restrepo, A. Stavridis, I. Koutromanos, S. Billington, M. Kyriakides, K. Willam, S. Mettupalayam, B. Blackard, and C. Citto (2008). “Experimental and analytical research on masonry infilled RC frames.” *2008 NSF Research and Innovation Conference - Civil Mechanical and Manufacturing Innovation (CMMI)*. Knoxville, TN, January 2008.
- C55. Stavridis A. and P.B. Shing (2007). “Investigation of load resisting mechanism of infilled RC frames with computational models.” *9th US National Congress on Computational Mechanics*. San Francisco, CA, July, 2007.
- C56. Stavridis, A. and P.B. Shing. (2007). “Modeling of masonry infilled RC frames with discrete and smeared crack elements.” *COMPADYN 2007 Computational Methods in Structural Dynamics and Earthquake Engineering*. Rethimno, Crete, Greece, June 2007.
- C57. Stavridis, A. and P.B. Shing (2006). “A study on masonry infilled non-ductile RC frames.” *2nd NEES/E-Defense Workshop*. Miki, Japan, October-November, 2006.
- C58. Shing, P.B., A. Stavridis, Z. Wei, E. Stauffer, R. Wallen, and R.Y. Jung (2006). “Validation of a fast hybrid test system with substructure tests.” *17th Analysis and Computation Specialty Conference*. Saint Louis, MI, May, 2006.
- C59. Stavridis, A., M. Schoettler, P. G. Somerville, H. K. Thio, and J.C. Podany (2006). “Design of a self-centering seismic base isolator for an antiquity.” *100th Anniversary Earthquake Conference*, San Francisco, CA, April, 2006.

ORAL PRESENTATIONS (23)

Names of advisees are underlined.

-
- O1. Hilly R., S. Bose, and Stavridis (2023), Distribution of the seismic intensity and development of shake maps for the 2015 Gprkha earthquake. *ASCE Engineering Mechanics Institute 2023*, Atlanta GA. June 2023.
- O2. Yousefianmoghadam S. and A. Stavridis (2022). “Tests of strengthened box-beams obtained from a decommissioned bridge.” *2022 TRB Annual Meeting*, Washington, DC. January 2022.
- O3. Yousefianmoghadam S. and A. Stavridis (2017). “Nonlinear modeling of a dynamically tested two-story RC structure.” *ASCE Engineering Mechanics Institute 2017*, San Diego, CA. June 2017.
- O4. Song M., S. Yousefianmoghadam, B. Moaveni, and A. Stavridis (2017). “Probabilistic damage identification of two-story RC building using in-situ data.” *ASCE Engineering*

- Mechanics Institute 2017*, San Diego CA. June 2017.
- O5. Bose S., M. Akhlaghi, A. Stavridis, and B. Moaveni (2017). “Nonlinear response prediction of an infilled RC building during the 2015 Nepal earthquake.” *ASCE Engineering Mechanics Institute 2017*, San Diego CA. June 2017.
- O6. Yousefianmoghadam S., Stavridis A. (2017). Dynamic Testing of a Progressively Damaged RC Building. Structures Congress 2017, Denver, CO. April 2017.
- O7. Wang W.Y., A. Nozari, M. Alam, A. Stavridis, B. Moaveni, A. Barbosa, and R. Wood (2016). Structural identification and modeling of a three-story school building damaged during the 2015 Gorkha Earthquake.” *ASCE Engineering Mechanics Institute 2016*, Saint Louis TN. May 2016.
- O8. Song M., S. Yousefianmoghadam, B. Moaveni, A. Stavridis, and R. Wood (2016). “Damage assessment of a two-story masonry-infilled RC building from vibration data.” *ASCE Engineering Mechanics Institute 2016*, Saint Louis TN. May 2016.
- O9. Behmanesh I., S. Yousefianmoghadam, A. Nozari, B. Moaveni, and A. Stavridis (2016). “Model updating of a 10-story concrete building using hierarchical Bayesian framework.” *ASCE Engineering Mechanics Institute 2016*, Saint Louis TN. May 2016.
- O10. Yousefianmoghadam S. and Stavridis A. (2015). “Damage Assessment of Old Buildings: Experiments on a Masonry-Infilled RC Building at Different Damage States.” 2015 EERI Annual Meeting. Boston, MA, (Poster). April 2015.
- O11. Nozari A., I. Behmanesh, S. Yousefianmoghadam, B. Moaveni, and A. Stavridis (2015). Finite element model updating of a ten-story RC building, *IMAC XXXIII - Engineering Nonlinearities in Structural Dynamics*. Orlando, FL, February 2015.
- O12. Yousefianmoghadam, S., I. Behmanesh I., A. Stavridis, B. Moaveni, and R.L. Nigbor (2014). “System identification of a ten-story RC building at different damage states.” *Engineering Mechanics Institute Conference*, ASCE, Hamilton, Canada. June 2014.
- O13. Sayah, A. and A. Stavridis (2013). “Assessment of a finite element modeling scheme for reinforced masonry shear walls.” *2013 Conference of the ASCE Engineering Mechanics Institute*, Evanston, IL, August 2013.
- O14. Redmond, L., O. Kurc, A. Stavridis, and R. DesRoches (2013). “Finite element modeling of a RC frame with masonry infill and mesh reinforced mortar subjected to earthquake loading.” *2013 Conference of the ASCE Engineering Mechanics Institute*, Evanston, IL, August 2013.
- O15. Stavridis, A. and P.B. Shing (2010). “Finite element modeling and large-scale testing of masonry-infilled RC frames.” *ASCE Engineering Mechanics Institute 2010 Conference*, Los Angeles, CA, August 2010.
- O16. Murcia-Delso J., Stavridis A., and P.B. Shing (2010). “Bond-slip behavior of large diameter reinforcing bars.” *ASCE Engineering Mechanics Institute 2010 Conference*, Los Angeles, California, August 2010.
- O17. Stavridis, A. and P.B. Shing (2009). “Multi-scale tests, modeling methods and retrofit techniques for masonry infilled RC frames.” *7th NEES Annual Meeting*, Honolulu, Hawaii, June 2009.
- O18. Stavridis, A. and P.B. Shing (2008). “Earthquakes in action: Introducing high-school students to seismic design.” *7th NEES Annual Meeting*, Honolulu, Hawaii, June 2009.
- O19. Stavridis, A., P.B. Shing (2007). “Seismic performance of masonry infilled RC frames.” *6th NEES Annual Meeting*, Portland, Oregon, June 2008.
- O20. Shing, P.B., A. Stavridis (2007). “NEES Collaboratory Research: Infilled RC frames that incorporate advanced computational models.” *5th NEES Annual Meeting*, Salt Lake City, Utah, June 2007.
- O21. Shing, P.B., A. Stavridis (2006). “Progress of the NEES-Infill project.” *4th NEES Annual Meeting*, Washington D.C., June 2006.
- O22. Yang, W., M. Schachter, T. Yang, A. Stavridis (2006). “Tests of zipper frames.” *4th NEES Annual Meeting*, Washington D.C., June 2006.
- O23. Yang, T., A. Stavridis, W. Yang, M. Schachter (2006). “Analytical simulations of the suspended zipper frames.” *4th NEES Annual Meeting*, Washington D.C., June 2006.

- P1. Stavridis, A., “Shake table tests of a full-scale URM building.” The Masonry Society Annual Meeting, Albuquerque NM. November 2023.
- P2. Stavridis, A., S. Yousefianmoghadam. “Tests of strengthened box-beams obtained from a decommissioned bridge.” ACI Fall Convention, Boston, MA. October 2023.
- P3. Stavridis, A., “Developing shake maps for the 2015 Gorkha earthquake.” 17th Symposium on Earthquake Engineering, ITT Roorkee, India. November 2022. **(Keynote lecture)**
- P4. Stavridis, A., “Experimental and numerical study of the seismic behavior of infilled RC frames with sliding joints.” 5th National Conference in Earthquake Engineering, Athens, Greece. October 2022. **(Theme lecture)**
- P5. Stavridis, A. “Seismic Performance of Infilled RC Frames: from Lab Specimens to Actual Buildings.” National Technical University of Athens, Athens, Greece, October 2022.
- P6. Stavridis, A. “Seismic Performance of Infilled RC Frames: from Lab Specimens to Actual Buildings.” University of Patras, Greece, October 2022.
- P7. Stavridis, A., S. Yousefianmoghadam. “Tests of strengthened box-beams obtained from a decommissioned bridge.” ABCD Spring Conference, Buffalo, NY. April 2021.
- P8. Stavridis, A., S. Yousefianmoghadam. “Tests of strengthened prestressed-concrete box-beams with CFRP laminates and anchors.” ACI Spring Virtual Convention, March 2021.
- P9. Stavridis, A. “Fragility curves for schools in Nepal considering ground motion and modeling uncertainties.” Seismic Safety Resilience of Schools in Nepal (SAFER) Workshop, Bristol, UK, April 2020.
- P10. Stavridis, A. “Seismic Performance of Infilled RC Frames: from Lab Specimens to Actual Buildings.” Scuola Universitaria Superiore Pavia, IUSS, Pavia, Italy, January 2020.
- P11. Stavridis, A. “Experimental and Analytical Research on RC and Masonry Structures.” 2nd NHERI-EUCentre collaboration workshop, Pavia, Italy, September 2019.
- P12. Stavridis, A. “Seismic Performance of Infilled Frames: from the lab to Actual Structures.” *Central NY Engineering Expo*, Syracuse, NY, November 2018.
- P13. Stavridis, A. “Unreinforced masonry buildings in NYC: understanding the risk and developing solutions.” *Office of Emergency Management, New York City*, New York, NY, March 2018.
- P14. Stavridis, A. “Seismic Performance of Infilled Frames: from the lab to Actual Structures.” *ESPE University*, Quito, Ecuador, July 2017.
- P15. Stavridis, A. “Numerical models to simulate the non-linear behavior of school buildings in Nepal.” *University of Bristol, UK*. March 2017.
- P16. Stavridis, A. “Seismic Performance of Infilled Frames: from the lab to Actual Structures.” *Epicerter, University City London*, UK, March 2017.
- P17. Stavridis, A. “Seismic Performance of Infilled Frames: from the lab to Actual Structures.” *Mc Master University*, Hamilton, Canada. March 2017.
- P18. Stavridis, A. “Seismic Performance of Infilled Frames: from the lab to Actual Structures.” *Institute of Engineering Mechanics*, Beijing, China. August 2016.
- P19. Stavridis, A., “Findings of a reconnaissance trip in Nepal following the 2015 Earthquake.” *EERI Student Chapter, University at Buffalo*. Buffalo, May 2016.
- P20. Stavridis, A. “Findings of a Reconnaissance trip to Nepal following the 2015 earthquake.” *Federal Highway Administration*, Washington DC, August 2015.
- P21. Stavridis, A., “Shake tests of a two-story building in El Centro, CA.” Workshop for Young Researchers, Tokyo, Japan. March 2015.
- P22. Stavridis, A. “A simplified analytical tool for the seismic assessment of infilled RC frames.” *Structural Engineers Association of California-Existing Buildings Committee*, Burbank, CA, July 2010.
- P23. Stavridis, A. “Seismic assessment and retrofit methods of reinforced concrete frames

- with masonry Infills.” *National Technical University of Athens*, Athens, Greece, January 2010.
- P24. Stavridis, A. “Shake-table tests of a three-Story, two-bay RC frame with brick infill.” *Young Researchers’ Workshop at the 2009 PEER Annual Meeting*, San Francisco, CA. October 2009.
- P25. Schoettler M., A. Stavridis, “Implementation of base isolation for museum collections.” *Tokyo National Museum of Western Art*, Japan. July 2009.
- P26. Stavridis, A. “Assessment of the seismic performance of reinforced concrete frames with masonry infills.” *Factory Mutual (FM) Global*, Norwood, MA. April 2009.
- P27. Stavridis, A. “A Finite element modeling methodology for the assessment of infilled frames.” *Structural Engineers Association of San Diego-Existing Building Committee*, San Diego, CA. January 2009.
- P28. Stavridis, A. “Seismic assessment of infilled frames with analytical and experimental methods.” *Degenkolb Engineers*, San Diego, CA. December 2008.
- P29. Stavridis, A. “Shake table tests of a three-Story, two-bay infilled RC frame.” *Structural Engineers Association of San Diego-Existing Building Committee*, San Diego, CA. November 2008.
- P30. Stavridis, A. “Overview of a collaborative project of RC infilled frames.” *Young Researcher’s Forum at the 14th World Conference on Earthquake Engineering*. Beijing, China. October 2008.
- P31. Stavridis, A. and M. Schoettler, “Protecting museum artifacts from earthquakes damage with base isolators: Case studies at the Getty Museum and the Norton Simon Museum of Art.” *International Symposium on Protection of Museum Artifacts from Earthquakes*. Athens, Greece. June 2008.
- P32. Stavridis, A. and M. Schoettler, “Finalizing the design of the design of seismic isolators for the Getty’s antiquity collection.” *Seismic Mitigation Colloquium*, Getty Villa, Malibu, CA. May, 2006.

CITATION INDICES

- Google Scholar Citation Count: 3082 (8/2023)
- Google Scholar h-Index: 30

ADVISING / MENTORING EXPERIENCE

A. Ph.D. Students (Major advisor of 4 graduated and 4 current students)

| | |
|---|--------------|
| Rahul Raman (UB). Dissertation Topic: Performance of retrofitted unreinforced masonry walls with anchors. | 2019-present |
| Juan Carlos Singaicho Armas (UB). Dissertation Topic: Damage identification methods for concrete and masonry structures. | 2019-present |
| Gregory Congdon (UB). Dissertation Topic: Seismic rehabilitation of URM buildings. | 2020-present |
| Rohit Singh (UB). Resilience assessment of retrofit schemes for URM buildings | 2019-present |
| Xuan Gao (UB). Dissertation Topic: Experimental and Numerical Assessment of an Innovative Retrofit Scheme for Masonry-Infilled RC Frames. | 2014-2021 |
| Supratik Bose (UB). Dissertation Topic: Nonlinear behavior and remaining strength of damaged infilled RC frames buildings. | 2015-2019 |
| Seyedsina Yousefianmoghadam (UB). Dissertation Topic: Dynamic testing, modeling, and assessment of existing infilled RC structures. | 2014-2018 |
| Alireza Sayah (UTA). Numerical and experimental assessment of the seismic performance of reinforced masonry structures. | 2012-2015 |

B. Co-Advised Ph.D. Students (3 graduated students)

| | |
|---|-----------|
| Valentino Bolis (University of Brescia, Italy). Seismic performance of RC frames infilled with engineered walls with sliding panels. | 2014-2016 |
| Laura Redmond (Georgia Tech). Analytical and experimental study of the partially grouted, framed masonry structures in the Caribbean islands. | 2012-2014 |
| Laura Migliorati (University of Brescia, Italy). Masonry-infilled steel frames with sliding joints. | 2012-2014 |

C. Ph.D. Committee Member

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| Snehasagar Gopagani (UB). Advisors: A. Aref and A. Filiatrault | 2023 |
| Emre Kizilarslan (UB). Advisor: M. Bruneau | 2021 |
| Mingming Song (Tufts). Advisor: B. Moaveni | 2019 |
| Donghun Lee (UB). Advisor: M. Constantinou | 2017 |
| Jonathan Rivera (UB). Advisor: A. Whittaker | 2017 |
| Brian Terranova (UB). Advisor: A. Whittaker | 2017 |
| Iman Behmanesh (Tufts University). Advisor: B. Moaveni | 2016 |
| Bismark Luna (UB). Advisor: A. Whittaker | 2016 |
| Eliyar Asgariéh (Tufts University). Advisor: B. Moaveni | 2015 |

D. M.Sc. Students-Thesis (Advisor of 5 graduated students)

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| Raymond Hilly (UB). Development of shake maps for the 2015 Gorkha earthquake in Nepal. | 2019-2021 |
| Jorge Miguel Romero Loyola (UB). Finite element modeling of steel infilled frames. | 2019-2020 |
| Wen Yu Chang (UB). Non-linear modeling and damage assessment of a RC school building in Kathmandu, Nepal damaged due to the 2015 Gorkha Earthquake. | 2015-2017 |
| Mudit Singh (UB). Finite element modeling of unreinforced masonry structures retrofitted with FRPs. | 2014-2015 |
| Austin Reese (UTA). Simplified analysis of reinforced concrete frames with masonry panels. | 2012-2014 |

E. M.Sc. Students-Project (Sole advisor of 11 students, co-advisor of 1 student)

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| Chinmay Kulkarni (UB). Development of a post processor for the finite element analysis of concrete and masonry structures. | Spring 2022 |
| Rohan Tanna (UB). Review of the experimental and numerical research on reinforced concrete shear walls. | Spring 2020 |
| Luis Medina Durant (UB). Finite element modeling of RC frames with masonry panels. | Fall 2020 |
| Vivek Dharmaraj (UB). Development of an automated tool for system identification. | Fall 2019 |
| Mario Andres Ortega Palaez (UB). Seismic assessment of a 16-story building damaged in the 2017 Mexico earthquake. | Fall 2018 |
| Anil Tripathi (UB). Development length of steel bars in reinforced masonry structures. | Fall 2018 |
| John Billitier (UB). Structural performance of a railway tunnel under different fire scenarios (co-advised with Dr. Elhami-Khorasani). | Fall 2017 |
| Adam Cluckey (UB). Seismic assessment of a row of URM buildings | Spring 2017 |
| Tim van Oss (UB). Simplified modeling of a damaged 16-story RC building in Nepal. | Spring 2016 |
| Aaron Benhke (UB). Seismic response of multi-bay infilled RC frames. | Fall 2015 |

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| Jimena Martin (UB). Development of guidelines for the assessment of the seismic performance of infilled frames. / | Spring 2015 |
| Alexander Azero (UB). System identification of a 2-story infilled RC frame building. | Spring 2015 |
| F. Undergraduate Students (Sole advisor of 22 undergraduate students) | |
| Konstantinos Iliopoulos (UB). Conducting compression, tension, and shear tests on masonry piers and triplets. | 2023-present |
| Caleb Nickens (UB). Post processing of the test data from the shake-table tests on URM buildings. | 2021-2022 |
| Riley Blasiak (UB). Full-scale tests of actual deteriorated bridge girders strengthened with FRP overlays. | 2019-2020 |
| Akshay Mittal (IIT-UB). Development and validation of a FE model for RC shear walls. | 2019 |
| Chinmay Girish Kulkarni (IIT-UB). Evaluation of simplified methods for the prediction of the seismic response of infilled RC frames. | 2019 |
| Anthony Tintera (UB-REU). Development and validation of an automated system identification tool. | 2018 |
| Raymond Hilly (UB-REU). Development of shake maps for the 2015 Gorkha earthquake in Nepal. | 2018 |
| Ariana Fay (UB-REU). Nonlinear simulation of a 16-story infilled RC frame in Nepal. | 2018 |
| Zhaoyi Wu (UB-REU). Visualization of deformations recorded with the Krypton 3D positioning system. | 2017 |
| Utkarsh Kode (UB). Finite element modeling of multi-bay, multi-story infilled steel frames. | 2017 |
| Liangchun Huang (UB). Simplified modeling of two damaged high-rise buildings in Nepal. | 2017 |
| Faris Karahasanovic (UB-REU). Finite element modeling of single-bay infilled steel frames. | 2016 |
| Brittany Packard (UB-REU). Dynamic properties of a 2-story infilled frame tested with a portable eccentric mass shaker. | 2016 |
| Julie Fetzer (UB-REU). Seismic performance of two-bay RC infilled RC frames. | 2015 |
| Laura Pavone (UB-REU). Influence of size and location of openings on the seismic response of RC masonry infilled frames. | 2014 |
| Andrea Sacco (UB-REU). Dynamic properties of a 10 story building measured under dynamic excitation at four damage states. | 2014 |
| Martin Ramirez (UTA-REU). Finite element evaluation of the influence of material and design parameters in the seismic performance of infilled frames | 2013 |
| Ramin Fallah Firoozi (UTA-REU). Development of a post-processing tool for finite element analyses. | 2013 |
| Jennifer Dang (UCSD). Data-reduction for the shake-table tests of the 3-story building. | 2009 |
| Michael Barnes (UCSD-REU). Evaluation of the mixed-mode failure of masonry mortar joints. | 2008 |
| Eric Tung (UCSD-REU). Finite element analysis of infilled RC frames. | 2008-2009 |
| Jeffrey McMaster (USCD). Nonlinear time-history analysis of steel frames. | 2007 |
| G. High School Students | |
| Belen Mendoza (UCSD) Research Topic: Data-reduction for the shake-table tests of the 3-story building. | 2009 |
| Tu Vo (UCSD). Research Topic: Construction and shake table-testing of wooden miniature buildings. (Tu won a science fair competition for this work). | 2008 |

Andrew Nguyen (UCSD) Research Topic: Process of material test data to obtain concrete and steel properties. 2008

TEACHING EXPERIENCE

A. Undergraduate Courses

University at Buffalo

- CIE 429 Reinforced Concrete Design (35+32 students – Rating of instructor: 4.6/5) Fall 2021
- CIE 429 Reinforced Concrete Design (38 students – Rating of instructor: NA due to Covid-19) Fall 2020
- CIE 429 Reinforced Concrete Design (38 students – Rating of instructor: 4.6/5) Fall 2019
- CIE 429 Reinforced Concrete Design (42 students – Rating of instructor: 4.7/5) Fall 2018
- CIE 429 Reinforced Concrete Design (45 students – Rating of instructor: 4.2/5) Fall 2017
- CIE 429 Reinforced Concrete Design (53 students – Rating of instructor: 4.3/5) Fall 2016
- CIE 429 Reinforced Concrete Design (54 students – Rating of instructor: 4.0/5) Fall 2015
- CIE 429 Reinforced Concrete Design (119 students – Rating of instructor: 3.3/5) Fall 2014
- CIE 429 Reinforced Concrete Design (93 students – Rating of instructor: 3.0/5) Fall 2013

University of Texas Arlington

- CE 4360 Design of Masonry Structures (28 students – Rating of instructor: 4.1/5) Fall 2012
- CE 3341 Structural Analysis (32 students – Rating of instructor: 4.5/5) Spring 2012
- CE 4347 Reinforced Concrete Design (29 students – Rating of instructor: 4.0/5) Fall 2011

B. Graduate Courses

University at Buffalo

- CIE 518 Masonry Design (16 students – Rating of instructor: 4.6/5) Fall 2020
- CIE 619 Structural Dynamics II-Earthquake Engineering (14 students – Rating of instructor: NA due to Covid-19) Fall 2020
- CIE 518 Masonry Design (21 students – Rating of instructor: NA due to Covid-19) Spring 2020
- CIE 619 Structural Dynamics II-Earthquake Engineering (31 students – Rating of instructor: 3.9/5) Spring 2019
- CIE 518 Masonry Design (12 students – Rating of instructor: 4.7/5) Fall 2018
- CIE 619 Structural Dynamics II-Earthquake Engineering (35 students – Rating of instructor: 3.9/5) Spring 2018
- CIE 619 Structural Dynamics II-Earthquake Engineering (26 students – Rating of instructor: 4.1/5) Spring 2017
- CIE 518 Masonry Design (13 students – Rating of instructor: 4.7/5) Spring 2016

- CIE 518 Masonry Design (19 students – Rating of instructor: 4.9/5) Spring 2015
- CIE 518 Masonry Design (9 students – Rating of instructor: 4.1/5) Spring 2014

University of Texas Arlington

- CE 5385 Structural Dynamics (21 students – Rating of instructor: 4.3/5) Spring 2013
- CE 5308 Design of Masonry Structures (28 students – Rating of instructor: 4.1/5) Fall 2012

University of Brescia

- Seismic Design of Reinforced Masonry Structures (15 students – Rating of Instructor N/A) June 2015

C. Workshops / Short Courses Organized/Delivered

- System Identification and Assessment of Infilled RC Buildings, Kathmandu, Nepal April 2018
- Structural Health Monitoring. ESPE University, Quito, Ecuador. July 2017
- Assessment of Infilled RC Frames. USAid-NSET-CalTech Workshop, Kathmandu, Nepal. September 2016
- Structural Engineering 101. *Historical Masonry Workshop*, Brownsville, TX. April 2013

D. Courses for high-school Students

University of California, San Diego

- Earthquakes in Action (COSMOS: California State Summer School for Mathematics and Science) Summers of 2006, 2007, 2008, and 2009
- A 4-week course that included lectures field trips, computer assignments, and hands-on projects such as the construction of base-isolation systems, tuned-mass dampers, masonry structures, balsa-wood structures, and bridge columns.

E. Outreach Activities for K-12 and High School Students

University at Buffalo

- Prepared a module for the UB Academies program (delivered by Seyedsina Yousefianmoghadam, my PhD student) 02/2015
- Organized a module for the “Women in Science and Engineering” program for incoming female students. 08/2014

University of Texas, Arlington

- Organized a visit to the Esperanza ‘Hope’ Medrano Elementary School in Dallas Tx to interact with 40 first-grade students through presentations and hands-on projects. 03/2014
- Organized a visit to the Leonides Gonzalez Cigarroa, M.D. Elementary, in Dallas Tx with graduate students to interact with 60 fifth graders through presentations and hands-on projects. 07/2013

University of California, San Diego

- Participated in the 1st San Diego Science Fair in collaboration with Patrick Henry High School. Gave four lectures at the school on the analysis and design of truss bridges. Then hosted the students in UCSD and tested their bridges to failure. 02/2009

PROFESSIONAL SERVICE

A. Membership in Committees

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| Member of the Masonry Society 402 Committee (formerly known as MSJC) | 2016-2022 |
| Associate member of the ASCE-41 (Seismic Rehabilitation of Existing Buildings) | 2011-present |
| Faculty Advisor for the University at Buffalo, EERI Student Chapter | 2016-present |
| Member of the Research Committee of The Masonry Society | 2011-present |
| Member of the EERI Students Activity Committee | 2012-2019 |
| Led as PI an NSF-funded reconnaissance team visiting Mexico City after the 2017 Puebla Gorkha Earthquake. | 2017 |
| Led as PI an NSF-funded reconnaissance team visiting Nepal after the 2015 Gorkha Earthquake. | 2015 |
| Member of the ACI-369 Committee (Seismic Repair and Rehabilitation) | 2013-2016 |
| Faculty Advisor for the University of Texas, Arlington-EERI Student Chapter | 2011-2013 |
| President of EERI's national Student Leadership Council (SLC). | 2009-2010 |
| Participation in Existing Building Committee of Structural Engineers Association of San Diego (SEAOSD). | 2009-2011 |
| Member of the EERI reconnaissance team at US and Mexico after the 4/4/2010 7.8 Baja California Earthquake. | 2010 |
| Member of EERI San Diego Chapter. | 2010-2011 |
| Chair of Outreach Activities of EERI-SLC. | 2008-2009 |
| Founding member of Jacobs Graduate Student Council (JGSC), Jacobs School of Engineering, UCSD. | 2007-2009 |
| Founding member of Structural Engineering Graduate Student Organization (SE-GSO), UCSD. | 2006-2009 |

B. Organization of Conferences

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| Co-organizer of a technical session in the 17 th World Conference in Earthquake Engineering, to be held in July 2024 in Milan, Italy. | 07/2024 |
| Co-organizer of a symposium on 'Masonry for sustainability, resilience, and affordability' during the 2018 ASCE-Engineering Mechanics (EMI) Conference held in Boston, Ma. | 06/2018 |
| Member of the Scientific Committee of the ICONHIC Conference held in Chania, Greece. | 06/2016 |
| Member of the Technical Committee of the 12 th North American Masonry Conference held in Denver, Co. | 05/2015 |
| Co-organizer of a symposium on 'Masonry for sustainability, resilience, and affordability' during the 2013 ASCE-Engineering Mechanics (EMI) Conference held in Evanston, Il. | 08/2013 |
| Co-organizer for the Historical Masonry Workshop, held in Brownsville, TX. | 04/2013 |
| Presenter in a webinar hosted by EERI and NEES within the Research to Practice Initiative. | 05/2012 |
| Member of the organizing committee of the 2011 EERI Annual Meeting. | 02/2011 |
| Chair of the Workshop for Young Researchers, Practitioners, and Faculty. (90 Participants) 9 th US National/ 10 th Canadian Conference on Earthquake Engineering: Reaching Beyond Borders. | 07/2010 |
| Chair of the 7 th Annual Undergraduate Design Competition. (21 Universities from US and Canada were represented by over 200 students) EERI, San Francisco. | 02/2010 |
| Chair of the Workshop for Young Researchers during the 2009 PEER Annual Meeting (30 Participants from US, Japan, and China). | 10/2010 |

Co-organizer of the 6th Annual Undergraduate Design Competition, EERI, Salt Lake City. 02/2009

C. Reviewer of Proposals, Manuscripts, and Building Codes

- Reviewer of the New Zealand code for existing infilled RC buildings.
- Reviewer/Panelist for research proposals for the National Science Foundation (NSF).
- Reviewer for research proposals for the Swiss Ministry of Education.
- Reviewer for research proposals for the Greek Ministry of Education.
- Reviewer for research proposals for the Italian Ministry of Education.
- Reviewer for research proposals for the Israeli Ministry of Science.
- Reviewer for ASCE Journals of Structural Engineering and Bridge Engineering.
- Reviewer for Wiley Earthquake Engineering and Structural Dynamics.
- Reviewer for EERI Journal Earthquake Spectra.
- Reviewer for Elsevier Journals of Automation in Construction, Simulation Modeling, Practice and Theory, Engineering Structures, and Soil Dynamics and Earthquake Engineering.

PROFESSIONAL EXPERIENCE

A. Consultant

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| iDRAS, Athens, Greece | 2023 |
| Jean Paul Getty Museum, Malibu, California, USA | 2004-2010 |
| The Huntington Library, San Marino, California, USA | 2008-2009 |
| Seattle Art Museum, Seattle, Washington, USA | 2007-2008 |
| Norton Simon Museum, Pasadena, California, USA | 2005-2007 |

B. Intern

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| SATO – OHL, Gijon, Asturias, Spain | 2001 |
| Laboratory of Naval Works (NTUA), Athens, Greece | 2000-2001 |

UNIVERSITY SERVICE AT THE UNIVERSITY AT BUFFALO

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|---|------------------------|
| Faculty marshal in the Commencement | 2014, 2015, 2017, 2018 |
| Organizer of the Departmental Seminar Series | Spring & Fall 2017 |
| Faculty Advisor of the UB-EERI Student Chapter | 2016- present |
| Member of Institute of Bridge Engineering | 2013-2020 |
| Member of undergraduate students committee | 2014-2019 |
| Member of faculty-freshman mentor program (EAS 203) | 2014-2020 |
| Reviewer of graduate applications | 2014-present |
| Member of new undergraduate curriculum committee | 2015 |
| Member of faculty search committee | 2013-2014 |

CITATIONS IN THE MEDIA

WBFO (NPR Affiliate): UB Professor takes note of lessons from Nepal disaster, August 2015.

<http://news.wbfo.org/post/ub-professor-takes-note-lessons-nepal-disaster#stream/0>

Congressman Higgins: Higgins announces National Science Foundation award to support University at Buffalo research following the Nepal Earthquake, June 2015.

<http://higgins.house.gov/media-center/press-releases/higgins-announces-national-science-foundation-award-to-support>

The Buffalo News: UB student, professor study April Earthquake aftermath in Nepal, August 2015.

<http://www.buffalonews.com/city-region/higher-education/ub-student-professor-study-april-earthquake-aftermath-in-nepal-20150811>

Official UB News and information for the Media: Engineer receives \$24,000 NSF grant for Nepal earthquake research, June 2015.

<https://www.buffalo.edu/news/releases/2015/06/054.html>

UB Observer: Team heads to Nepal to study seismic performance of buildings affected by earthquake, June 2015.

<http://www.buffalo.edu/news/releases/2015/06/010.html#sthash.GChxU7eQ.dpuf>

NBC: Quake shake test handles portion of demo of red-tagged El Centro building, November 2014.

<http://www.nbclosangeles.com/news/local/Quake-Researchers-Shake-Building-to-Brink-of-Collapse-282848771.html>

WBBJ: El Centro earthquake demolition, November 2014.

<https://www.youtube.com/watch?v=oQ2U21GpSbA>

NEEShub: Shake test in upstate New York may lead to safer concrete buildings, February 2014.

<https://nees.org/announcements/shake-test-in-upstate-new-york-may-lead-to-safer-concrete-buildings>

WUTR- ABC affiliate station: Implosion earthquake experiment, February 2014.

<http://www.cnyhomepage.com/story/d/story/implosion-earthquake-experiment/16515/1ZPfdq8YS0uDnwzr8B8y0Q>

Utica Observer: Researchers shake, vibrate Fay str. warehouse, February 2014.

<http://www.uticaod.com/article/20140207/News/140209381#ixzz2sqoJKR67>

San Diego Union Tribune: Earthquake study drives crack team of engineers, November 2008.

<http://legacy.utsandiego.com/news/metro/20081114-9999-1m14shake.html>

Del Mar Times: Earthquake research brings down the house, November 2008.

<http://www.delmartimes.net/news/2008/nov/20/earthquake-research-brings-down-the-house/>