

Andreas Stavridis, Ph.D.

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Andreas Stavridis is an Assistant Professor in the Department of Civil, Structural and Environmental Engineering at the University at Buffalo. His research concentrates on the assessment and improvement of the performance of existing and new reinforced concrete (RC) and masonry structures under service and extreme loads. He tests large-scale structures in the laboratory and actual structures in the field; develops and validates detailed and simplified numerical and analytical tools to simulate the seismic performance of such structures; develops system identification methods to enable localization and quantification of damage; and assesses its effect on the remaining strength of structures.

The methodology to assess infilled RC frames he developed and validated with his students at UB has been adopted in the ASCE/SEI 41-17 Standard. He has peer reviewed the new 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 on an NSF-funded reconnaissance trip in Nepal following the 2015 Gorkha earthquake, and on two ATC- and NSF-funded trips to Mexico City following the 2017 Puebla earthquake. He taught a short course on the Design of Reinforced Masonry Structures at the University of Brescia, Italy (2015); two short courses funded by USAID on the Assessment of Infilled RC Frames in Kathmandu, Nepal (2016, 2018); and a short course on Structural Health Monitoring in ESPE University in Quito, Ecuador (2017). He is also collaborating with universities in UK, US, Nepal, Italy, industry and local authorities in Nepal and the World Bank in an international project aiming at improving the resilience of schools in Nepal.

EDUCATION

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

Assistant Professor, Dept. of Civil, Structural and Environmental Engineering, University at Buffalo, State University of New York.	2013-present
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

RESEARCH INTERESTS

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

HONORS AND AWARDS

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
NEES 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).	2002-2003
Invited by the University of Bristol to participate in a research project focusing on the design of school buildings in Nepal.	03/2017
Invited by Chinese Association in Earthquake Engineering to present recent research findings	08/2016
NSF Travel Awards to participate and present research papers at the:	
. CUEE Annual Meeting, Tokyo, Japan	03/2015
. 10 US National Conference on Earthquake Engineering, Anchorage, AK	07/2014
. 10 th NEES/E-Defense Planning research Meeting, Kyoto, Japan.	12/2013
. 9 th US National/ 10 th Canadian Conference on Earthquake Engineering, Toronto.	06/2010
. 7 th CUEE and 5 th ICEE Conference, Tokyo Institute of Technology, Tokyo, Japan.	02/2010
. NSF CMMI Research and Innovation Conference, Honolulu, HI.	06/2009
. 4 th NEES Annual Meeting, Washington, DC	06/2006

HONORS AND AWARDS RECEIVED BY ADVISEES

. Best Undergraduate Paper in the National Competition, awarded to L. Pavone by the Earthquake Engineering Research Institute (EERI).	2015
. O.H. Amman Fellowship awarded to S. Yousefianmoghdam by the American Society of Civil Engineers.	2016
. 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. Yousefianmoghdam by the Department of Civil, Structural and Environmental Engineering, University at Buffalo.	2017

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 (ΣΠΜΕ)

PROFESSIONAL SERVICE

A. Membership in Committees

Member of the Masonry Society 402 Committee (formerly known as MSJC)	2016-present
Associate member of the ASCE-41 (Seismic Rehabilitation of Existing Buildings)	2011-present
Member of the ACI-369 Committee (Seismic Repair and Rehabilitation)	2013-present
Member of the Research Committee of The Masonry Society	2011-present
Member of the EERI Students Activity Committee	2012-present
Faculty Advisor for the University at Buffalo, EERI Student Chapter	2016-present
Led as PI an NSF-funded reconnaissance team visiting Nepal after the 4/25/2015 7.2 Gorkha Earthquake.	2015
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

Co-organizer of a symposium on 'Masonry for sustainability, resilience, and affordability' during the <i>2018 ASCE-Engineering Mechanics (EMI) Conference</i> held in Boston, Ma.	06/2018
Member of the Scientific Committee of the <i>ICONHIC Conference</i> held in Chania, Greece.	06/2016
Member of the Technical Committee of the <i>12th North American Masonry Conference</i> held in Denver, Co.	05/2015
Co-organizer of a symposium on 'Masonry for sustainability, resilience, and affordability' during the <i>2013 ASCE-Engineering Mechanics (EMI) Conference</i> held in Evanston, Il.	08/2013
Co-organizer for the <i>Historical Masonry Workshop</i> , 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. (<i>90 Participants</i>) 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. (<i>21 Universities from US and Canada were represented by over 200 students</i>) EERI, San Francisco.	02/2010
Chair of the Workshop for Young Researchers during the 2009 PEER Annual Meeting (<i>30 Participants from US, Japan, and China</i>).	10/2010
Co-organizer of the 6 th 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 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

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

B. Intern

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

UNIVERSITY SERVICE AT THE UNIVERSITY AT BUFFALO

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-present
Member of undergraduate students committee	2014-present
Member of faculty-freshman mentor program (EAS 203)	2014-present
Reviewer of graduate applications	2014-present
Faculty marshal in the Commencement	2014, 2015, 2017, 2018
Member of new undergraduate curriculum committee	2015
Member of faculty search committee	2013-2014

TEACHING EXPERIENCE

A. Undergraduate Courses

<i>University at Buffalo</i>	
• CIE 429 Reinforced Concrete Design	Fall 2017
• CIE 429 Reinforced Concrete Design	Fall 2016
• CIE 429 Reinforced Concrete Design	Fall 2015
• CIE 429 Reinforced Concrete Design	Fall 2014
• CIE 429 Reinforced Concrete Design	Fall 2013

University of Texas Arlington

- CE 4360 Design of Masonry Structures Fall 2012
- CE 3341 Structural Analysis Spring 2012
- CE 4347 Reinforced Concrete Design Fall 2011

B. Graduate Courses

University at Buffalo

- CIE 619 Structural Dynamics II-Earthquake Engineering Spring 2018
- CIE 619 Structural Dynamics II-Earthquake Engineering Spring 2017
- CIE 518 Masonry Design Spring 2016
- CIE 518 Masonry Design Spring 2015
- CIE 518 Masonry Design Spring 2014

University of Texas Arlington

- CE 5385 Structural Dynamics Spring 2013
- CE 5308 Design of Masonry Structures Fall 2012

University of Brescia

- Seismic Design of Reinforced Masonry Structures June 2015

C. Workshops

- 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, 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

ADVISING / MENTORING EXPERIENCE**A. Ph.D. Students (Sole advisor of 4 current and 1 graduated student)**

Seyedsina Yousefianmoghadam (UB). Dissertation Topic: Dynamic testing, modeling, and assessment of existing infilled RC structures. 2014-2018
Defended in January 2018

Supratik Bose (UB). Dissertation Topic: Nonlinear behavior and remaining strength of damaged infilled RC frame buildings. 2015-present

Xuan Gao (UB). Dissertation Topic: Finite element modeling and testing of masonry infilled frames with sliding subpanels. 2014-present

Homero Fernando Carrion Cabrera (UB). Research Topic: Nonlinear simulation of the seismic performance of RC buildings considering material and modeling uncertainties. 2017-present

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

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 Asgariieh (Tufts University). Advisor: B. Moaveni 2015

D. M.Sc. Students-Thesis (Sole advisor of 3 graduated students)

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 4 graduated students, co-advisor of 1 student)

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
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 14 undergraduate students)	
Anthony Tintera (UB-REU). Research Topic: 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). Research Topic: Nonlinear simulation of a 16-story infilled RC frame in Nepal.	2018
Zhaoyi Wu (UB-REU). Research Topic: Visualization of deformations recorded with the Krypton 3D positioning system.	2017
Utkarsh Kode (UB). Research Topic: Finite element modeling of multi-bay, multi-story infilled steel frames.	2017
Liangchun Huang (UB). Research Topic: Simplified modeling of two damaged high-rise buildings in Nepal.	2017
Faris Karahasanovic (UB-REU). Research Topic: Finite element modeling of single-bay infilled steel frames.	2016
Brittany Packard (UB-REU). Research Topic: Dynamic properties of a 2-story infilled frame tested with a portable eccentric mass shaker.	2016
Julie Fetzer (UB-REU). Research Topic: Seismic performance of two-bay RC infilled RC frames.	2015
Laura Pavone (UB-REU). Research Topic: Influence of size and location of openings on the seismic response of RC masonry infilled frames.	2014
Andrea Sacco (UB-REU). Research Topic: Dynamic properties of a 10 story building measured under dynamic excitation at four damage states.	2014
Martin Ramirez (UTA-REU). Research Topic: Finite element evaluation of the influence of material and design parameters in the seismic performance of infilled frames	2013
Ramin Fallah Firoozi (UTA-REU). Research Topic: Development of a post-processing tool for finite element analyses.	2013
Michael Barnes (UCSD-REU). Research Topic: Evaluation of the mixed-mode failure of masonry mortar joints.	2008
Eric Tung (UCSD-REU). Research Topic: Finite element analysis of infilled RC frames.	2008-2009
Jennifer Dang (UCSD). Research Topic: Data-reduction for the shake-table tests of the 3-story building.	2009
Jeffrey McMaster (USCD) Research Topic: 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

 JOURNAL PUBLICATIONS – *Names of advisees are underlined*

A. Published Manuscripts (26)

- J1. 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.
- J2. 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.
- J3. 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 (in press)*. November 2017.
- J4. 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.
- J5. 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.
- J6. 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.
- J7. 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.
- J8. 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.
- J9. 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.
- J10. 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.
- J11. 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: 10.1061/(ASCE)ST.1943-541X.0001651. September 2016.
- J12. 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.
- J13. 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.
- J14. 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.

- J15. 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.
- J16. 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.
- J17. Shing, B. and A. Stavridis (2014). "Analysis of masonry-infilled RC frames through collapse." *ACI Special Publication*. 297: 1:20. March 2014.
- J18. 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.
- J19. 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.
- J20. 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.
- J21. 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.
- J22. 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.
- J23. 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.
- J24. 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.
- J25. 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.
- J26. 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 (1)

- J27. Martin J. and A. Stavridis. "Understanding and estimating the lateral resistance of infilled reinforced concrete frames." *Bulletin of Earthquake Engineering*. (accepted). April 2018.

C. Manuscripts Under Review (2)

- J28. Bose S., J. Martin and A. Stavridis. "Modeling framework for masonry infilled RC frames subjected to seismic loads." *Earthquake Spectra*. (under review). April 2018.
- J29. Soti R., A. Barbosa, and A. Stavridis. "Numerical modeling of URM walls retrofitted with embedded reinforcing steel." *Journal of Structural Engineering*. (under review). March 2018.

REPORTS AND BOOK CHAPTERS (4)

- R1. 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.
- R2. Schoettler M., and A. Stavridis, contribution in the book "Advances in the protection of museum collections from earthquake damage." *Getty Publications*, Malibu, June 2008

- 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. 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.

PEER-REVIEWED MANUSCRIPTS PUBLISHED IN CONFERENCE PROCEEDINGS (54) –
Names of advisees are underlined

- C1. 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.
- C2. J. Martin 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.
- C3. 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.
- C4. 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.
- C5. 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.
- C6. 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.
- C7. 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.
- C8. 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.
- C9. Martin J. and A. Stavridis (2017). "Updating the ASCE 41 provisions for Infilled RC frames." *Proc. 2017 SEAOC Convention, San Diego, California*, September 2017.
- C10. 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.
- C11. 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.
- C12. 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.
- C13. 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.
- C14. 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.

- C15. 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.
- C16. 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.
- C17. 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.
- C18. 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.
- C19. 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.
- C20. 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.
- C21. 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.
- C22. 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.
- C23. 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.
- C24. 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.
- C25. 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.
- C26. 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.
- C27. 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.
- C28. 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.
- C29. 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.
- C30. Asgarieh, 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.
- C31. 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.
- C32. 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.
- C33. 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.
- C34. Asgarieh, 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.
- C35. 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
- C36. 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.
- C37. 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.
- C38. 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.
- C39. 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.
- C40. 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.
- C41. 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.
- C42. 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.
- C43. 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.
- C44. 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.
- C45. 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.
- C46. 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.

- C47. 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.
- C48. 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.
- C49. 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.
- C50. 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.
- C51. Stavridis, A. and P.B. Shing. (2007). “Modeling of masonry infilled RC frames with discrete and smeared crack elements.” *COMPDYN 2007 Computational Methods in Structural Dynamics and Earthquake Engineering*. Rethimno, Crete, Greece, June 2007.
- C52. 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.
- C53. 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.
- C54. 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 (20) – Names of advisees are underlined

- O1. 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.
- O2. 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.
- O3. 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.
- O4. Yousefianmoghadam S., Stavridis A. (2017). Dynamic Testing of a Progressively Damaged RC Building. Structures Congress 2017, Denver, CO.
- O5. Wang WY., 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.
- O6. 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.
- O7. 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.
- O8. 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).
- O9. 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.
- O10. 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.

- O11. 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.
- O12. 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.
- O13. 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.
- O14. 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.
- O15. 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.
- O16. 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.
- O17. Stavridis, A., P.B. Shing (2007). "Seismic performance of masonry infilled RC frames." *6th NEES Annual Meeting*, Portland, Oregon, June 2008.
- O18. 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.
- O19. Shing, P.B., A. Stavridis (2006). "Progress of the NEES-Infill project." *4th NEES Annual Meeting*, Washington D.C., June 2006.
- O20. Yang, W., M. Schachter, T. Yang, A. Stavridis (2006). "Tests of zipper frames." *4th NEES Annual Meeting*, Washington D.C., June 2006.
- O21. 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.

INVITED PRESENTATIONS (20)

- P1. 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.
- P2. Stavridis, A. "Seismic Performance of Infilled Frames: from the lab to Actual Structures." *ESPE University*, Quito, Ecuador, July 2017.
- P3. Stavridis, A. "Numerical models to simulate the non-linear behavior of school buildings in Nepal." *University of Bristol, UK*. March 2017.
- P4. Stavridis, A. "Seismic Performance of Infilled Frames: from the lab to Actual Structures." *Epicenter, University City London*, UK, March 2017.
- P5. Stavridis, A. "Seismic Performance of Infilled Frames: from the lab to Actual Structures." *Mc Master University*, Hamilton, Canada. March 2017.
- P6. Stavridis, A. "Seismic Performance of Infilled Frames: from the lab to Actual Structures." *Institute of Engineering Mechanics*, Beijing, China. August 2016.
- P7. Stavridis A., "Findings of a reconnaissance trip in Nepal following the 2015 Earthquake." *EERI Student Chapter, University at Buffalo*. Buffalo, May 2016.
- P8. Stavridis, A. "Findings of a Reconnaissance trip to Nepal following the 2015 earthquake." *Federal Highway Administration*, Washington DC, August 2015.
- P9. Stavridis, A., "Shake tests of a two-story building in El Centro, CA." Workshop for Young Researchers, Tokyo, Japan. March 2015.
- P10. 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.

- P11. Stavridis, A. “Seismic assessment and retrofit methods of reinforced concrete frames with masonry Infills.” *National Technical University of Athens*, Athens, Greece, January 2010.
- P12. 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.
- P13. Schoettler M., A. Stavridis, “Implementation of base isolation for museum collections.” *Tokyo National Museum of Western Art*, Japan. July 2009.
- P14. Stavridis, A. “Assessment of the seismic performance of reinforced concrete frames with masonry infills.” *Factory Mutual (FM) Global*, Norwood, MA. April 2009.
- P15. 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.
- P16. Stavridis, A. “Seismic assessment of infilled frames with analytical and experimental methods.” *Degenkolb Engineers*, San Diego, CA. December 2008.
- P17. 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.
- P18. 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.
- P19. 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.
- P20. 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: 867 (07/2018)
- Google Scholar h-Index: 13

Funded Projects (A. Stavridis is the PI in these proposals. The \$ amounts listed are A. Stavridis’ share)

“Bridge in a box: Optimizing the design of an aluminum bridge” Role: PI. Award from American Douglas Metals. Amount: \$23,948.	05/2018- 09/2018
“RAPID/Collaborative Research: The Effects of the 2017 Central Mexico Earthquake on New, Retrofitted, and Old Buildings” Role: PI. NSF Award. #1810899. Amount: \$21,714.	11/2017- 10/2018
“Identification and Mitigation of Nonductile Concrete Buildings with Masonry Infills” Role: PI. Award from ATC-78-7. Amount: \$30,000.	2/2018- 8/2018
“Reconnaissance Trip to Mexico City” Role: PI. Award from ATC-78/134. Amount: \$3,200.	10/2017
“Distribution of Seismic Demand and Damage During the 2015 Gorkha Earthquake.” Role PI. Award from USGS. Amount: \$70,000.	06/2017- 05/2018
“Pre/Post Earthquake Damage Assessment for Infilled RC Frame Buildings” Role: PI. NSF/NEESR Award #1235496. Amount: \$349,941.	09/2012- 08/2017
“RAPID/Collaborative Research: Post-Disaster, Reinforced Concrete Building Performance Data Collection following the April 25, 2015 Nepal Earthquake” Role: PI. NSF Award #1545595. Amount: \$24,039.	07/2015- 06/2017
“Field Determination of Dead Load Stresses in Concrete Bridges” Role: PI. Association for Bridge Construction, Western NY. Amount: \$10,000.	10/2016- 06/2017

“Using corbelled compressive structural systems to extend building longevity.” Role: co-PI. SMART Community of Excellence at UB. Amount: \$1,800.	03/2016- 12/2016
“Dynamic tests using the UCLA mobile shakers” Role: PI. NSF Award #1430180. Amount: \$40,000.	08/2014- 12/2014
“Experimental estimation of the friction coefficient between iron ore and concrete slabs” Role: PI. Exponent Inc. Amount: \$17,115.	05/2014- 06/2014
“Support for Research Experience for Undergraduate Students” Role: PI. NSF Award #1810899. Amount: \$8,000.	06/2018- 08/2018
“Support for Research Experience for Undergraduate Students” Role: PI. NSF Award #1430180. Amount: \$8,000.	06/2017- 08/2017
“Support for Research Experience for Undergraduate Students” Role: PI. NSF Award #1430180. Amount: \$10,000.	06/2016- 08/2016
“Support for Research Experience for Undergraduate Students” Role: PI. NSF Award #1430180. Amount: \$5,000.	06/2015- 08/2015
“Support for Research Experience for Undergraduate Students” Role: PI. NSF Award #1430180. Amount: \$10,000.	06/2014- 08/2014
“Support for Research Experience for Undergraduate Students” Role: PI. NSF Award #1430180. Amount: \$16,211.	06/2013- 08/2013

International Projects A. Stavridis participates in as advisor/consultant without monetary compensation

“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
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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=oQ2U2IGpSbA>

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>

Andreas Stavridis

Last Updated: 07/2018

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/>