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CURRICULUM VITAE
Emmanuel "Manos" Maragakis

A. CURRENT POSITION

Dean of Engineering and Professor of Civil and Environmental Engineering, University of Nevada, Reno
University of Nevada Reno Foundation Professor (since 2005) – Recipient of the Associated of General Contractors (AGC) Skill, Integrity, Responsibility (SIR) Award (February 2018)
(https://www.unr.edu/nevada-today/news/2018/manos-maragakis-sir-award)

B. PERSONAL DATA

Birth Date:	March 2, 1957
Home Address:	6132 Carriage House Way Reno, Nevada, 89519
Office Address:	College of Engineering/256 University of Nevada, Reno, NV 89557-0256

C. EDUCATIONAL RECORD sE( )TjETS170(n)32q0 0 6IETQq0 O 612 792 N96 ( )42.A( )TjETL( )TjETreW*nBT16

1. B.S. Civil Engineering — June 1980
   National Technical University of Athens, Greece (5-year program)
2. M.S. Civil Engineering — June 1981
   California Institute of Technology, Pasadena
3. Ph.D. Civil Engineering — Dec. 1984
   California Institute of Technology, Pasadena (thesis supervisor: Dr. Paul C. J 54DuTe(f)TjET nTJETQq0 0 612 792 reW*nBT32412.996 e(uTJETQ

E. ADMINISTRATIVE AND SERVICE EXPERIENCE

1.

11. Initiatives for the increase of research productivity (the College has achieved a record number of new awards in 2019 exceeding $19M). The College has played a critical role in achieving R-1 classification.
12. Establishment of comprehensive ABET assessment procedures and preparation for the ABET visit (the last visit took place in September 2017– all programs are accredited) (-)

7. Established new major research centers.
8. Achieved national ranking of its graduate program in 2005 (70) and in 2008 (62) by the US News and World Report (one of only three UNR programs nationally ranked in 2008 and one of three in the State of Nevada ranked in 2005).
9. Developed and pursued the implementation of a new strategic plan.
10. Completed comprehensive undergraduate curriculum and graduate program reviews, revised the curriculum and established new procedures for graduate students.
11. Established an advisory board.
12. Collaborated with other departments across campus and the country on the establishment of undergraduate and research collaborations and national consortia.
13. Developed a strategic space plan, which included all necessary space reallocations; the plan was funded and implemented.
14. Developed summer camps and K-12 programs.
15. Fundraised $1.5M for the expansion of the Large Scale Structures Laboratory in 1999.
16. Participated in the College fundraising activities.

3. Society Memberships

1. Associate Member of the American Society of Civil Engineers (ASCE).
2. Member of ASCE, Reno Chapter.
3. Member of the Earthquake Engineering Research Institute (EERI).
4. Member of the American Railway Engineering Association (AREA).
5. Member of National Technical Chamber of Greece.
6. Registered Professional Engineer in Greece.

5 [redacted] **4.5 National Committee Memberships**

9 8 [redacted]of the American Society of Civil Engineering (ASCE) Technical Committee of the Engineering Mechanics Division on the Dynamics of Structures (until April 1995).

2. Member of the ASCE Technical Committee on the Methods of Analysis (until April 1994).
3. Member of American Railway Engineering Association (AREA) Committee 9 on the Seismic Response of Railway Bridges.

7[redacted]Member and secretary of the Transportation Research Board (TRB) Task Force A2C52on Seismic Design of Bridges (1994-1998).

5. Chair of TRB Task Force A2C52 on Seismic Design of Bridges (1998-2000).
6. Founding Chair of TRB Committee A2C08 on Seismic Design of Bridges (2000- 2006).

[redacted]Multidisciplinary Center for Earthquake Engineering (MCEER) Research Committee (1996-2001).

8. Member of the MCEER Principal Investigators team (1996-2006).
9. Member of the Board of Directors of the “

17. Organizer of the technical session in the 1993 TRB subcommittee on the Dynamic Response of Bridges.
18. Organizer of the technical session in the 1994 TRB subcommittee on the Dynamic Response of Bridges.
19. Organizer of the technical session in the 1995 TRB task force on the Dynamic Response of Bridges.
20. Organizer of the session on Bridge Engineering in the 1995 ASCE Specialty Conference (May1995, Colorado).
21. Co-Organizer of the NSF Grantees Workshop, Lake Tahoe, Nevada, 1995.
22. Member of the steering committee of the TRB 5th International Bridge Engineering Conference.
23. Co-Organizer of the annual US-Japan Bridge Engineering workshop for the US side (1991-1994).
24. Organizer or co-organizer of the U.S. –

4. Organized a short course entitled “Seismic Design of Highway Bridges” and taught sections of it (one-week course taught in April 1996).
5. Short course on the Seismic Design and Retrofit of Highway Bridges (taught the Structural Dynamics part), UC Davis Extension, February 1996.
6. Invited speaker in the EERI Technical seminar on the “Seismic Design and Perfo‘I MI ·ẹ Me

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54. Maragakis, E. “NEESR GC: Simulation of the Seismic Performance of Nonstructural Systems” 9/07-8/12, NSF Grand Challenge project, $ 3.6M (the award process included a reverse site visit with presentation in June 2007). This project requires coordination of the efforts of researchers and practitioners from 23 institutions around the country and the world (other Co-PI’s are: A. Filiatrault from University at Buffalo, S. French from Georgia Tech, T. Hutchinson from UC San Diego, B. Reitherman, from CUREE).
55. Maragakis, E. “Supplement to the NEESR GC: Simulation of the Seismic Performance of Nonstructural Systems” to perform experiments of nonstructural systems in collaboration with the NEES TIPS E-Defense Full Scale Seismic Isolation Program”, $210K, April 2011.

3. Publications-Presentations

a. Reviewed Refereed Publications (Full paper review)

1. Maragakis, E.A., "Elastic Stiffness of Bridge Columns with Parabolic Flare at the Top and Foundation Springs at the Bottom," *Journal of Structural Engineering*, ASCE, Vol. 112, No. 8, August 1986, pp. 1797-1809.
2. Maragakis, E.A., and Jennings, P.C., "Analytical Models for the Rigid Body Motions of Skew Bridges," *Journal of Earthquake Engineering and Structural Dynamics*, Vol. 15, No. 8, November 1987, pp. 923-944.
3. Maragakis, E.A., and Siddharthan, R. "A Simple Method for the Estimating of the Inelastic Longitudinal Abutment Stiffness, "ASCE, *Journal of Structural Engineering*, Vol. 115, pp. 2382-2398, September 1989.

[illegible]

21. Abdel-Ghaffar, S., Maragakis, E., Saiidi, M., "Effects of the Hinge Restrainers on the Response of the Aptos Creek Bridge during the 1989 Loma Prieta Earthquake", *Earthquake Spectra*, Vol. 13, No. 2, May 1997, pp. 167-189.
22. Siddharthan, R., El-Gamal, M., Maragakis, E., "Stiffnesses of Abutments on Spread Footing with Cohesionless Backfill", *Canadian Geotechnical Journal*, Vol.11. Nov. 1997, pp. 228-242.
23. Saiidi, M., Maragakis, E., Sanders, D., "Evaluation and Seismic Retrofit of Highway Bridge Structures with Tapered columns",

45. Soroushian, S., Maragakis, M., and Jenkins, C., (2014) "Axial Capacity Evaluation of Typical Suspended Ceiling Joints," Earthquake Spectra, EERI, Available Online. DOI;http://dx.doi.org/10.1193/123113EQS301M
46. Soroushian, S., Maragakis, M., and Jenkins, C., (2015) "Capacity Evaluation of Suspended Ceiling Components, Part 1: Experimental Studies", Journal of Earthquake Engineering, Published Online. DOI;10.1080/13632469.2014.998354
47. Soroushian, **S.,** Maragakis, M., and Jenkins, C., (2015) "Capacity Evaluation of Suspended Ceiling Components, Part 2: Analytical Studies", Journal of Earthquake Engineering, Published Online. DOI:10.1080/13632469.2015.1006345.
48. Soroushian, S., Rahmanishamsi, E., Ryu, K. P., Maragakis, E. M., Reinhorn, A.M., (2015) "Experimental Fragility Analysis of Suspension Ceiling Systems", Earthquake Spectra, EERI, Published Online. DOI: http://dx.doi.org/10.1193/071514EQS109M
49. Ryan, K., Soroushian, S., Maragakis, M., Sato, E., Sasaki, T., Okazaki, T., (2015) "Seismic Simulation of Integrated Nonstructural Systems at E-Defense, Part 1: Influence of 3D Structural Response and Base Isolation," Journal of Structural Engineering, ASCE, *In Press, Published Online. DOI:10.1061/(ASCE)ST.1943-541X.0001384.*
50. Soroushian, S., Maragakis, M., Ryan, K., Sato, E., Sasaki, T., Okazaki, T., and Mosqueda, G., (2015) "Seismic Simulation of Integrated Nonstructural Systems at E-Defense, Part 2: Evaluation of Nonstructural Damage and Fragilities," Journal of Structural Engineering, ASCE, *Journal of Structural Engineering, ASCE, In Press, Published Online. DOI:10.1061/(ASCE)ST.1943-541X.0001385.*
51. Rahmanishamsi, E., Soroushian, S., and Maragakis, M., (2015) "Capacity Evaluation of Typical Gypsum-Stud Screw Connections", Earthquake Spectra, EERI, *In Press, Published Online.* DOI: 10.1080/13632469.2015.1109567.
52. Soroushian, S., Maragakis, E. M., Zaghi, A. E., Rahmanishamsi, E., Itani, M., Pekcan, G., (2015) "Response of a 2-Story Test-Bed Structure for the Seismic Evaluation of Nonstructural Systems", Earthquake Engineering and Engineering Vibration, *Accepte*d.
53. Soroushian, S., Maragakis, E. M., Zaghi, A. E., Ansari, A., (2015) "Estimation of Structural Floor Vertical Displacement Using a Wavelet De-Noising Method", Earthquake Engineering and Structural Dynamic, *In Press, Published Online. DOI: 10.1080/13632469.2015.1109567.*
54. Rahmanishamsi, E., Soroushian, S., and Maragakis, M., (2015) "Capacity Evaluation of Typical Stud-Track Screw Connections", Journal of Earthquake Engineering, *In Press, Published Online.* DOI: 10.1080/13632469.2015.1109567.
55. Soroushian, S., Rahmanishamsi, E., Maragakis, E. M., (2015) "A State of the Art Review on the Analytical Simulation of Ceiling, Piping, and Partitions", Bulletin of the New Zealand Society for Earthquake Engineering, *Accepted – In Press*
56. Rahmanishamsi, E., Soroushian, S., Maragakis, E. M., (2016) "Analytical model for the in-plane seismic performance of cold-formed steel-framed gypsum partition walls", Earthquake Engineering and Structural Dynamics, Vol.45, pp. 619–634. DOI: 10.1002/eqe.2676.
57. Rahmanishamsi, E., Soroushian, S., Maragakis, E. M., (2016) "Evaluation of Out-of-Plane Behavior of Stud-to-Track Connections in Nonstructural Partition Walls", Thin-Walled Structures Journal, Vol.103, pp. 211–225. DOI: 10.1016/j.tws.2016.02.018.
58. Jenkins, C., Soroushian, S., Rahmanishamsi, E., Maragakis, E. M., (2016) "Experimental Fragility Analysis of Cold-Formed Steel-Framed Partition Wall Systems", Thin-Walled Structures Journal, Vol.103, pp. 115–127. DOI:

67. Javid H.S., Soroushian, S., Rahmanishamsi, E., Maragakis, E. M., (20xx) "Methodology for the Development of Analytical Seismic Fragility for Full Connection Steel Framed Gypsum Partition Wall", Journal of Earthquake Engineering, Under Review.

b. Fully Peer Reviewed Research Reports

1. Chen, Q., Douglas, B., Maragakis, E., Buckle, I., "Extraction of Non-Linear Hysteretic Properties of Seismically Isolated Bridges from Quick Release Tests", NCEER Report, 1997, State University of New York at Buffalo.
2. Chen, Q., Douglas, B., Maragakis, E., Buckle, I., "Extraction of Nonlinear Hysteretic Properties of Seismically Isolated Bridges from Quick-Release Field Tests", Report MCEER-98-0001, Buffalo, New York, May 1998.
3. Randall, M., Saiidi, M., Maragakis, E., and Isakivic, T., "Restrainer Design Procedures for Multi-Span Simply-Supported Bridges", Report No. CCEER-99-5, April 1999 (Also published as Report 99-0011, MCEER, Buffalo, New York, July 1999).
4.

11. Maragakis, E., Douglas, B., Abdel-Ghaffar, S., "[illegible]ar Finite Element Modeling of Pile Foundation," *8th U.S.-Japan Workshop on Bridge Engineering*, [illegible], pp. 531-543 (presented by Dr. Douglas).
12. Maragakis, E. and Saiidi, M., "Deve[illegible] Simple Analytical Models of Lead-Rubber Base Isolated Bridge," *Second U.S.-Japan W[illegible]e Systems for Bridges*, Tsukuba, Japan, December 1992 (presented by Dr. Maraga[illegible]
13. Maragakis, E., Saii[illegible]nnor, D., "Evaluation of the Seismic Response of Bridges with Hinge Re[illegible]*kshop on Bridge Engineering*, May 1993, Tsukuba, Japan (presente[illegible]
14. Saii[illegible], E., Sanders, D., an[illegible]ic Retrofit of Bridges in Northern Nevada," *Proceedings of th[illegible]pan Workshop on Seismic R*[illegible]eley, California, January 1994 (presented by Dr. Saiidi).
15. Ma[illegible]akis, E.A., Douglas, B., and Abdel[illegible]mental Dynamic Analysis of a Railroad Bridge," *Proceedings of the 10th U.S.-Japan Brid*[illegible]*p*, Lake Tahoe, Nevada, May 10-11, 1994 (presented by Dr. Maragakis).
16. Saiidi, M., Maragakis, E., and Sanders, D[illegible]mic Retrofit of Highway Bridge Substructures with

7. Maragakis, E., Sanchez, F., Saiidi, M., Kartoum, A., El-Azaazy, S., “Experimental Response of Bridge Hinges Retrofitted with Cable Restrainers”, *Proceedings Supplement, Eurodyn 2002 Conference*, Munich, Germany, September 2002 (presented by Dr. Maragakis).
8. Maragakis, E., M. Saiidi, R. Johnson, R. DesRoches, and J. Padgett, “Experimental Evaluation of Seismic Performance of SMA Bridge Restrainers,” *Proceedings, Second International Conference on Urban Earthquake Engineering*, Tokyo, Japan, March 2005 (keynote presentation, presented by Dr. Maragakis).
9. Maragakis, E., Corbin, R., Itani, A., Goodwin E., “Experimental Evaluation of the Seismic Performance of Hospital Piping Subassemblies”, *Proceedings of the 2007 SEI Structural Congress*

52. Saiidi, M., E. Maragakis, D. Sanders, J. Anderson, R. Johnson, V. Phan, Z. Cheng, and H. Wang, "Recent Earthquake Engineering Research at UNR- Four Examples: FRP Restrainers, Near-Fault Effects, Column Hinges, and Shape Memory Alloy Columns," Proceedings, 2005 Asia-Pacific Network of Centers for Earthquake Engineering Research, Jeju, Korea, Session V, Paper HR-4, November 11-12, 2005 (presented by Dr. Saiidi).
53.

20. “Shake Table Tests of Hospital Piping Systems”, MCEER Annual Researchers Meeting, February 2002
21. “Measuring Program Outcomes using RUBRICs”, 2007 Best Assessment Processes IX Symposium, Rose-Hulman Institute of Technology, Terre Haute, Indiana, April 2007. (presented by Dr. Maragakis)
22. “Accreditation Experience for the Bachelor’s Program in Civil Engineering”, Building the Foundation for the Global Technological Future, Pacific Southwest Section Conference, Reno, Nevada, April 2007. (presented by Dr. Elfass)
24. “NEESR-GC: Simulation of the Seismic Performance of Nonstructural Systems”, NEES/E-Defense Meeting, Kobe, Japan, September 2007 (presented by Dr. Maragakis).
25. “Seismic Response of Ceiling-Piping-Partition Nonstructural Systems”, Ahmed Abdel Ghaffar International Symposium, USC, September 19, 2008 (presented by Dr. Maragakis)
26. “Nonstructural Systems and Contents”, NEES-E-Defense Planning Meeting Phase 2, Washington DC, January 12-13, 2009 (presented by Dr. Maragakis)
27. “A Review of the Seismic Performance of the Ceiling-Piping-Partition Nonstructural System”, California Institute of Technology, Pasadena, California, May 28, 2009 (presented by Dr. Maragakis)
28. “Seismic Performance of the Ceiling-Piping-Partition Nonstructural System”, FM Global Insutance Co ncl `

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14. Maragakis, E., Saiidi, M., Feng, S., and Flournoy, L., "Effects of Hinge Restrainers on the Response of the San Gregorio