

PUBLICATIONS

<i>BOOKS</i>	1
<i>BOOKS CHAPTERS</i>	1
<i>REVIEWED PAPERS IN JOURNALS</i>	2
<i>REVIEWED PAPERS IN EDITED BOOKS</i>	8
<i>SECTIONS IN CODES AND STANDARDS</i>	11
<i>COMPUTER SOFTWARE - INTERNATIONAL DISTRIBUTION</i>	12
<i>PAPERS IN CONFERENCE PROCEEDINGS (including presentations)</i>	12
<i>M(N)CEER REPORTS</i>	22
<i>MISCELLANEOUS TECHNICAL REPORTS</i>	26

HONORARY BOOK

1. "[Computational Methods, Seismic Protection, Hybrid Testing and Resilience in Earthquake Engineering](#) - A Tribute to the Research Contributions of **Prof. Andrei Reinhorn**" (2015), Cimellaro, G. P., Nagarajaiah S., and Kunnath S.K. (eds.), *Geotechnical, Geological and Earthquake Engineering Series*, Vol 33, Springer International Publishing Co., 329p, (ISBN 978-3-319-06393-5)
The book is a tribute to the research contribution of Professor Andrei Reinhorn in the field of earthquake engineering. It covers all the aspects connected to earthquake engineering starting from computational methods, hybrid testing and control, resilience and seismic protection which have been the main research topics in the field of earthquake engineering in the last 30 years. These were all investigated by Prof. Reinhorn throughout his career. The book provides the most recent advancements in these four different fields, including contributions coming from six different countries giving an international outlook to the topics.

BOOKS - MONOGRAPHS

2. Deierlein, G.G., Reinhorn A.M. and Willford, M.R. (2010) , "[Nonlinear Structural Analysis for Seismic Design- A Guide for Practicing Engineers](#)", NEHRP Seismic Design Technical Brief No. 4, produced by NEHRP Consultants Joint Venture Partnership of Applied Technology Council and Consortium of University for Earthquake Engineering research for the National Institute of Standards and Technology, Gaithersburg, MD, (NIST GCR 10-917-5)
3. Chu, S.Y., Soong, T.T. and Reinhorn, A.M. (2005) "[Active, Hybrid, Semi-Active Structural Control - A Design and Implementation Handbook](#)", John Wiley and Sons (ISBN-13 978-0-470-01352-6)
4. Falconi, R. A, Barbat, A. H., Reinhorn A.M. and C.J. (1993), "[Seismic Damage and Vulnerability in Reinforced Concrete Structures](#)", Editorial ESPE, Ejecito Polytechnic School, Santa Clara-Valle de Los Chilllos, Ecuador (ISBN-9978-92-057-9), (in Spanish)

Go to [List of Contents](#)

BOOKS CHAPTERS

5. Reinhorn, A. M., and Cimellaro G. P. (2012), "[Chapter 27: Consideration of Resilience of Communities in Structural Design](#)", in *Performance-Based Seismic Engineering: Vision for an Earthquake Resilient Society*, Fischinger, Matej (Ed.), Publisher: Springer Netherlands, ISBN: 978-94-017-7930-2, pp: 401-421
6. Cimellaro, G.P. Reinhorn, A.M. and Bruneau M. (2015), "[Chapter 9: Metamodel Assisted Performance-Based Optimization for Hospital Systems](#)", in N.D. Lagaros, Y. Tsompanakis and M. Papadrakakis, (Editors), "New Trends in Seismic Design of Structures", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 9, pp 241-288, 2015. doi:10.4203/csets.37.9
7. Cimellaro, G. P., Fumo, C., Reinhorn, A. M., and Bruneau, M. (2008). "[Chapter 30: Metamodel Assisted Performance-Based Optimization for Hospital Systems.](#)" in *New Trends in Seismic Design of Structures*, Editors: Y. T. Nikos Lagaros, Manolis Papadrakakis, ed.,
8. Reinhorn, A M. Sivaselvan, M.V. Dargush G.F. & Lavan, O. (2008), "[Chapter 20: Mixed Lagrangian Formulation in Analysis of Collapse of Structures](#)", in *Progress in Computational Structural Dynamics and Earthquake Engineering*, Editors: Papadrakakis, M., Charmpis, D.C. Lagaros N.D. & Tsompanakis Y., A.A. Balkema Publishers, Taylor & Francis The Netherlands, 325-337
9. Constantinou, M.C., Reinhorn, A., Tsopelas, P., and Nagarajaiah, S. (1999), "[Techniques in nonlinear dynamic analysis of seismic isolated structures.](#)" in *Structural Dynamic Systems Computational Techniques and*

- Optimization - Seismic Techniques*, Leondes, C.T. (ed), Gordon and Breach International Series in Engineering, Technology and Applied Science, V12, 1-24
10. Constantinou, M.C. and Reinhorn, A.M. (1995), "[Seismic Isolation and Control](#)", in *Computer Analysis and Design of Earthquake Resistant Structures*, Elsevier Applied Science, London.

Go to [List of Contents](#)

REVIEWED PAPERS IN JOURNALS

11. Ryu, K.P. and Reinhorn, A.M., (2017), "[Experimental study of large area suspended ceilings](#)", in *Journal of Earthquake Engineering*, xx: xxx-xxx DOI:10.1080/13632469.2017.1342294
12. Ryu, K.P. and Reinhorn, A.M., (2017), "[Analytical study of large area suspended ceilings](#)", in *Journal of Earthquake Engineering*, xx: xxx-xxx, DOI:10.1080/13632469.2017.1326416
13. Shmerling A., Levy R. and Reinhorn, A.M., (2017), "[Seismic retrofit of frame structures using passive systems based on optimal control](#)", *Journal of Structural Control and Health Monitoring*, 24(2), xxx-xxx, DOI: 10.1002/stc.2038 (on-line)
14. Ryu, K.P. and Reinhorn, A.M., (2017), "[Real Time Control of Shake Tables for Nonlinear Hysteretic Systems](#)", in *Journal of Structural Control and Health Monitoring*, 24(2), xxx-xxx, DOI: 10.1002/stc.1871 (on-line)
15. Cimellaro, G., Renschler, C., Reinhorn, A.M., and Arendt, L. (2016). "[PEOPLES: A Framework for Evaluating Resilience.](#)" *ASCE Journal of Structural Engineering*, 142(10), xxxx-xxxx, DOI: 10.1061/(ASCE)ST.1943-541X.0001514- [Editor's Choice \(December, 2016\)](#) (on-line)
16. Cimellaro, G.P., Duenas-Osorio L and Reinhorn, A.M. (2016), "[Special Issue on Resilience-Based Analysis and Design of Structures and Infrastructure Systems](#)", *ASCE Journal of Structural Engineering*, 142(8), xxxx-xxxx, DOI: 10.1061/(ASCE)ST.1943-541X.0001592, C2016001(on-line)
17. Sarlis A.A., Pasala D.T.R., Constantinou M., Reinhorn, A.M., Nagarajaiah S., and Taylor D. (2016), "[Negative Stiffness Device for Seismic Protection of Structures -Shake Table Testing of a Seismically Isolated Structure](#)", *ASCE/Journal of Structural Engineering*, 142(5), xxxx-xxxx, DOI: 10.1061/(ASCE)ST.1943-541X.0001455 , 04016005 (on-line)
18. Soroushian, S., Rahmanishamsi, E., Ryu, K.P. Maragakis, E.M. and Reinhorn A.M., (2016), "[Experimental Fragility Analysis of Suspension Ceiling Systems](#)", in *Earthquake Spectra*, 32(2), 881-908, DOI: <http://dx.doi.org/10.1193/071514EQS109M>
19. Epackachi S, Dolatshahi K.M., Oliveto N.D., and Reinhorn A.M., (2015), "[Mechanical behavior of electrical hollow composite post insulators: Experimental and analytical study](#)", in *Engineering Structures*, 39(3), 129-141
20. Attary D.N., Symans M., Nagarajaiah S., Reinhorn A.M., Constantinou M.C., Sarlis A.A., Pasala D.T.R., and Taylor, D. (2015), "[Numerical Simulations of a Highway Bridge Structure Employing Passive Negative Stiffness Device for Seismic Protection](#)", *Earthquake Engineering and Structural Dynamics*, 44(6), 973-995
21. Attary D.N., Symans M., Nagarajaiah S., Reinhorn A.M., Constantinou M.C., Sarlis A.A., Pasala D.T.R., and Taylor, (2015), "[Experimental Shake Table Testing of an Adaptive Passive Negative Stiffness Device within a Highway Bridge Model](#)", in *Earthquake Spectra*, 31(4), 2163-2194
22. Attary D.N., Symans M., Nagarajaiah S., Reinhorn A.M., Constantinou M.C., Sarlis A.A., Pasala D.T.R., and Taylor, D. (2015), "[Performance Evaluation of Negative Stiffness Devices for Seismic Response Control of Bridge Structures Via Experimental Shake Table Tests](#)", *Journal of Earthquake Engineering*, 19(2), 249-276
23. Cimellaro G.P., Scura G., Renschler C.S., Reinhorn A.M. and Kim H.U., (2014), "[Rapid Building Damage Assessment System Using Mobile Phone Technology](#)", in *Journal of Earthquake Engineering and Engineering Vibrations*, 13: 519-533
24. Pasala D.T.R., Sarlis A.A., Reinhorn A.M., Nagarajaiah S., Constantinou M., and Taylor, D. (2014), "[Apparent-Weakening in SDOF Yielding Structure using Negative Stiffness Device: Experimental and Analytical study](#)", *ASCE Journal of Structural Engineering*, 141(4), 04014130-1:8
25. Pasala D.T.R., Sarlis A.A., Reinhorn A.M., Nagarajaiah S., Constantinou M., and Taylor, D. (2014), "[Simulated Bilinear-Elastic Behavior in a SDOF Elastic Structure Using Negative Stiffness Device: Experimental and Analytical Study](#)", *ASCE Journal of Structural Engineering*, 140(2), 004013049-1:13
26. Cimellaro, G.P., Chiriatti, M, Roh, H. and Reinhorn, A.M, (2014), "[Seismic Performance of Industrial Sheds and Liquefaction Effects During May 2012 Emilia Earthquakes Sequence in Northern Italy](#)", *Journal of Earthquake and Tsunami*, 8(2), World Scientific Publishing Company, 10.1142/S1793431114500092
27. Ray, T., Schachter-Adaros, M.S. and Reinhorn, A.M.(2014),"[Flexibility-corotational formulation of space frames with large elastic deformations and buckling](#)", in *Computer-Aided Civil and Infrastructure Engineering - International Journal*, 30(1), 54-67
28. Ray T. and Reinhorn, A.M. (2014), "[Enhanced Smooth Hysteretic Model with Degrading Properties](#)", *ASCE Journal of Structural Engineering*, 140(1), 04013028

29. Ray T., Sarlis, A., Reinhorn, A.M. Nagarajaiah S., and Constantinou, M.C. (2013), "[Hysteretic Models for Spherical Sliding Bearings](#)", *Earthquake Engineering and Structural Dynamics*, 42(15), 2341-2360
30. Ray T, Reinhorn A.M and Nagarajaiah S., (2013), "[Nonlinear-Elastic and Inelastic Spectra with Inherent and Supplemental Damping](#)", *Earthquake Engineering and Structural Dynamics*, 42(14), 2151-2165
31. Nagarajaiah S., Pasala D.T.R., Reinhorn A.M., Constantinou M., Sarlis A.A., and Taylor, D. (2013), "[Adaptive Negative Stiffness: A New Structural Modification Approach for Seismic Protection](#)", *Advanced Materials Research*, Trans. Tech Publications, Switzerland, V.639-640, 54-66, DOI:10.4028/www.scientific.net/AMR.639-640.54
32. Koliou, M., Filiatrault A. and Reinhorn A.M. (2013), "[Seismic Response of High Voltage Transformer Bushing Systems Incorporating Flexural Stiffeners I: Numerical Study](#)", in *Earthquake Spectra*, 29(4), 1335-1352
33. Koliou, M., Filiatrault A. and Reinhorn A.M. (2013), "[Seismic Testing of High Voltage Transformer Bushing Systems Incorporating Flexural Stiffeners II: Experimental Study](#)", in *Earthquake Spectra*, 29(4), 1353-1367
34. Pasala D.T.R., Sarlis A.A., Nagarajaiah S., Reinhorn A.M., Constantinou M., and Taylor, D. (2012), "[Adaptive Negative Stiffness: A New Structural Modification Approach for Seismic Protection](#)", *ASCE/Journal of Structural Engineering*, 139(7), 1112-1123
35. Sarlis A.A., Pasala D.T.R., Constantinou M., Reinhorn, A.M., Nagarajaiah S., and Taylor D. (2012), "[Negative Stiffness Device for Seismic Protection of Structures](#)", *ASCE/Journal of Structural Engineering*, 139(7), 1124-1133
36. Roh, H., Reinhorn A.M. and Lee J.S., (2012), "[Modeling and Cyclic Behavior of Segmental Bridge Column Connected with Shape Memory Alloy Bars](#)", in *Journal of Earthquake Engineering and Engineering Vibrations*, 11(3), 375-389, DOI: 10.1007/s11803-012-0128-y
37. Roh, H., Reinhorn A.M. and Oliveto N., (2012), "[Experimental test and modeling of hollow-core composite insulators](#)" in *Nonlinear Dynamics*, 69(4), 1651-1663
38. Roh, H. and Reinhorn A.M., (2012), "[Power Spread Plasticity Model for Inelastic Behavior of Reinforced Concrete Structures](#)", in *Engineering Structures*, 39(6), 148-161
39. Reinhorn, A.M., Maddaloni G. and Ryu K.P. (2012), "[Response to Discussion of paper “Simulation of floor response spectra in shake table experiments” by G. Maddaloni, KP Ryu and AM Reinhorn, Earthquake Engineering and Structural Dynamics 2011; 40\(6\), 591–604 \(Discussion](#)" by Huang, Chen, and Lu), in *Journal of Earthquake Engineering and Structural Dynamics*. 41(6),1345–1346
40. Shao, X and Reinhorn A.M., (2012), "[Development of a Controller Platform for General Force-Based Real Time Hybrid Simulation](#)", *Journal of Earthquake Engineering*, 16(2), 274-295
41. Cimellaro, G.P., Reinhorn, A.M, and De Stefano, A., (2012), "Reply to “Discussion 2 on ‘Introspection on improper seismic retrofit of Basilica Santa Maria di Collemaggio after 2009 Italian earthquake’ by G.P. Cimellaro, A.M. Reinhorn and A.De Stefano” by Enzo Cartapati", *Earthquake Engineering and Engineering Vibration*, 11(2), 291-292
42. Cimellaro, G.P., Reinhorn, A.M, and De Stefano, A., (2012), "Reply to “Discussion 1 on ‘Introspection on improper seismic retrofit of Basilica Santa Maria di Collemaggio after 2009 Italian earthquake’ by G.P. Cimellaro, A.M. Reinhorn and A.De Stefano” by Vincenzo Ciampi", *Earthquake Engineering and Engineering Vibration*, 11(2), 283-288
43. Shao, X., Reinhorn, A.M., Sivaselvan, M.V., (2011) "[Real Time Hybrid Simulation Using Shake Tables and Dynamic Actuators](#)," in *ASCE Journal of Structural Engineering*, 10.1061/(ASCE)ST.1943-541X.0000314 137(7), 748-760
44. Ali S.M., Khan, A.N, Rahman, S. and Reinhorn A.M. (2011), "[A Survey of Damages to Bridges in Pakistan after a Major Earthquake of October 8, 2005](#)", in *Earthquake Spectra*, 27(4), 947-970
45. Retamales R, Mosqueda G., Filiatrault A and Reinhorn, A.M. (2011), "[Testing Protocol for Experimental Seismic Qualification of Distributed Nonstructural Systems](#)", in *Earthquake Spectra*, 27(3), 835-856
46. Cimellaro, G. P, Reinhorn, A. M. and Bruneau, M. (2011). "[Performance-Based Metamodel for Health Care Facilities](#)", in *Int. Journal of Earthquake Engineering and Structural Dynamics*, 40(8), 1197-1217
47. Cimellaro, G.P., Reinhorn, A.M, D’Amboise A. and DeStefano, M., (2011), "[Fragility Analysis and Seismic Record Selection](#)", in *ASCE /Journal of Structural Engineering*, 137(3), 379-390
48. Cimellaro, G.P. and Reinhorn, A.M (2011), "[Multidimensional Performance Limit State for Hazard Fragility Functions.](#)" *ASCE /Journal of Engineering Mechanics*, 137(1), 47-60. DOI 10.1061/(ASCE)EM.1943-7889.0000201, 47-600
49. Maddaloni G., Ryu K.P. and Reinhorn, A.M. (2011), "[Shake Table Simulation of Floor Response Spectra](#)" in *Int. Journal of Earthquake Engineering and Structural Dynamics*, 40(6), 591-604 ,
50. Schachter, M., and Reinhorn, A.M., (2011), "[Dynamic Analysis of Three Dimensional Frames with Material and Geometric Nonlinearities](#)" in *ASCE/Journal of Structural Engineering*, 137(2), 207-219

51. Cimellaro, G.P., Reinhorn, A.M., and De Stefano, A., (2011), "[Introspection on Improper Seismic Retrofit of Basilica Santa Maria Di Collemaggio after 2009 Italian Earthquake](#)", in *Earthquake Engineering and Engineering Vibration*, 10(1), 153-161
52. Roh, H. and Reinhorn A.M., (2010), "[Hysteretic Behavior of Precast Segmental Bridge Piers with Superelastic Shape Memory Alloy Bars](#)", in *Engineering Structures*, 32(10), 3394-3403
53. Roh, H. and Reinhorn A.M., (2010), "[Modeling and Seismic Analysis of Structures with Rocking Columns](#)", in *Engineering Structures*, 32(8), 2096-2107
54. Roh, H. and Reinhorn A.M., (2010), "[Nonlinear Static Analysis of Structures with Rocking Columns](#)", in *ASCE/Journal of Structural Engineering*, 136(5), 532-542
55. Gilani A.S.J, Reinhorn A.M, Glasgow B, Lavan O. and Miyamoto H.K., (2010), "[Earthquake Simulator Testing and Seismic Evaluation of Suspended Ceilings](#)", in *ASCE/Journal of Architectural Engineering*, 16(2), 1-11
56. Cimellaro, G. P, Reinhorn, A. M. and Bruneau, M. (2010). "[Framework for Analytical Quantification of Disaster Resilience](#)", in *Engineering Structures*, 32(11), 3639-3649
57. Cimellaro, G. P, Reinhorn, A. M. and Bruneau, M. (2010). "[Seismic Resilience of a Hospital System](#)" *Journal of Structure and Infrastructure Engineering*, Special Issue on: "Advances in Vulnerability Assessment of Structures and Infrastructures", 6(1-2), 127-144, First published (*iFirst*) on: 23 July 2009
58. Reinhorn, A.M., Lavan, O, and Cimellaro, G.P (2009), "[Design of Controlled Elastic and Inelastic Structures](#)" in *Journal of Earthquake Engineering and Engineering Vibration*-Special issue on "Advances in Seismic Response Control of Structures", Special Issue dedicated to Prof. Emeritus T. T. Soong, 8(4), 469-479
59. Sivaselvan, M.V., Yuksel E., Winkelmann K. and Reinhorn, A.M (2009), "[Transforming of an Existing Structural Analysis Program to the Object-Oriented Framework](#)", in *Advances in Engineering Software*, Elsevier Applied Science, 40(11), 1131-1139
60. Thevanayagam S, Kanagalingam T, Reinhorn A.M., Tharmendhira R, Dobry R, Pitman M, Abdoun T, Elgamal A., Zeghal M., Ecemis N, Shamy U.E. (2009), "[Laminar Box System for 1-g Physical Modeling of Liquefaction and Lateral Spreading](#)", *Geotechnical Testing Journal* , 32(5), 438-449
61. Lavan O., Sivaselvan, M.V. Reinhorn A.M. and Dargush, G.F. (2009), "[Progressive collapse analysis through strength degradation and fracture in the Mixed Lagrangian Framework](#)", in *Int. Journal of Earthquake Engineering and Structural Dynamics*, 38(13), 1483–1504
62. Cimellaro G.P., Soong, T.T. and Reinhorn, A.M. (2009), "[Integrated Design of Inelastic Controlled Structural Systems](#)", in *Journal of Structural Control and Health Monitoring*, 16(7-8), 689-702
63. Cimellaro, G.P, Lavan, O. and Reinhorn, A.M. (2009), "[Design of Passive Systems for Control of Inelastic Structures](#)", in *Int. Journal of Earthquake Engineering and Structural Dynamics*, 38(6), 783-804
64. Cimellaro G.P., Soong, T.T. and Reinhorn, A.M. (2009), "[Integrated Design of Controlled Structural Systems](#)", in *ASCE/Journal of Structural Engineering*, 135(7), 853-862
65. Sivaselvan, M. V., Lavan, O., Dargush, G.F., Kurino, H., Hyodo, Y., Fukuda, R., Sato, K., Apostolakis G., and Reinhorn A. M. (2009), "[Numerical collapse simulation of large-scale structural systems using an optimization-based algorithm](#)", in Special Issue of *Int. Journal of Earthquake Engineering and Structural Dynamics*, 38(5), 655-677
66. Roh, H. and Reinhorn A.M., (2009), "[Analytical Modeling of Rocking Elements](#)", in *Engineering Structures*, 31(5), 1179-1189
67. Mosqueda G., Retamales R, Filiatrault A and Reinhorn, A.M. (2009), "[Testing Facility for Experimental Evaluation of Nonstructural Components under Full-scale Floor Motions](#)", in *The Structural Design of Tall Buildings* , 18(4), 387-404
68. Lavan, O, Cimellaro, G.P and Reinhorn, A.M. (2008), "[A Non-iterative Optimization Procedure for Seismic Weakening and Damping of Inelastic Structures](#)", in *ASCE/Journal of Structural Engineering*, 134(10), 1638-1648
69. Sivaselvan, M, Reinhorn, A.M., Shao, X., and Weinreber, S. (2008), "[Dynamic Force Control with Hydraulic Actuators using Added Compliance and Displacement Compensation](#)", in *Int. Journal of Earthquake Engineering and Structural Dynamics*, 37(15), 1785-1800
70. Madan, A., Reinhorn, A.M., and Mander, J., (2008), "[Fiber-Element Model of Post-Tensioned Hollow Block Masonry Shear Walls Under Reversed Cyclic Lateral Loading](#)", in *ASCE/Journal of Structural Engineering*, 134(7), 1101-1114
71. Ahmadizadeh M., Mosqueda G. and Reinhorn A.M. (2008), "[Compensation of Actuator Delay and Dynamics for Real-Time Hybrid Structural Simulation](#)", in *Int. Journal of Earthquake Engineering and Structural Dynamics*, 37(1), 21-42

72. Mosqueda, G., Stojadinovic B, Hanley, J, Sivaselvan, M. and Reinhorn A.M., (2008), "[Hybrid Seismic Response Simulation on a Geographically Distributed Bridge Model](#)", in *ASCE/Journal of Structural Engineering*, 135(4), 535-543
73. Cimellaro, G.P., Soong, T.T. and Reinhorn, A.M. (2008), "[Integrated Design of Smart Structures](#)", in *Advances in Science and Technology*, 56, 127-136, (CD: Embodying Intelligence in Structures and Integrated Systems).
74. Bruneau, M. and Reinhorn, A.M., (2007) "[Exploring the Concept of Seismic Resilience for Acute Care Facilities](#)", in *Earthquake Spectra*, 23(1), 41-62
75. Badillo-Almaraz, H., Whittaker A.S. and Reinhorn A.M., (2007), "[Seismic Fragility of Suspended Ceiling Systems](#)" in *Earthquake Spectra*, 23(1), 21-40
76. Viti, S., Cimellaro, G. P., and Reinhorn, A. M. (2006), "[Retrofit of a Hospital through Strength Reduction and Enhanced Damping.](#)" *Smart Structures and Systems*, 2(4), 339-355
77. Sivaselvan M., and Reinhorn, A.M. (2006), "[Lagrangian Approach to Structural Collapse Simulation](#)", *ASCE/Journal of Engineering Mechanics*, 132(8), 795-805, DOI:10.1061/(ASCE)0733-9399(2006)132:8(795)
78. Bruneau, M., Chang, S.E., Eguchi R. T., Lee, G.C., O'Rourke, T.D., Reinhorn, A.M., Shinozuka, M., Tierney, K., Wallace, W.A., Von Winterfeldt, D. (2003), "[A Framework to Quantitatively Assess and Enhance the Seismic Resilience of Communities](#)" in *Earthquake Spectra*, 19(4), 733-752
79. Ribakov, Y. and Reinhorn, A.M. (2003), "[Amplification of Damping in Building Structures](#)", *ASCE/Journal of Structural Engineering*, 129(10), 1422-1427.
80. Sivaselvan M., and Reinhorn, A.M. (2002), "[Collapse Analysis of Frame Structures](#)", *ASCE/Journal of Structural Engineering*, 128 (12), 1575-1583.
81. Bruneau, M. Reinhorn, A.M. Whittaker, A. (2002), "[Engineering and Organizational Issues Related to the World Trade Center Terrorist Attack - Vol 1](#) -Overview of Damage to Buildings near Ground Zero" *MCEER Special Report MCEER-02-SP02*.
82. Chu S.Y., Soong T.T., Reinhorn A.M., Helgeson R.J. and Riley M.A. (2002), "[Integration issues in Implementation of Structural Control Systems](#)", *Journal of Structural Control*, 9(1), 31-58.
83. Chu, S C, Soong, T.T. and Reinhorn, A.M. (2002), "[Real-Time Active Control Verification via Structural Simulator](#)", *Journal of Engineering Structures*, 24 (3), 343-353.
84. Mylonakis G. and Reinhorn, A.M. (2001), "[Yielding Oscillator under Triangular Ground Acceleration Pulse](#)", *Journal of Earthquake Engineering*, 5(2), 225-251.
85. Ribakov, Y., Gluck, J and Reinhorn, A.M. (2001), "[Active Viscous Damping System for Control of MDOF Structures](#)", *Int. Journal of Earthquake Engineering and Structural Dynamics*, 30(2), 195-212.
86. Sivaselvan M., and Reinhorn, A.M. (2000), "[Hysteretic Models for Deteriorating Inelastic Structures](#)", *ASCE/Journal of Engineering Mechanics*, 126(6), 633-640, with [discussion](#) (2001) by Wang and Foliente and closure in 127(11)
87. Madan, A., Reinhorn, A. M., Mander, J. B. (2000), "[Hysteretic Behavior of Concrete Masonry Shear Walls with Unbonded Reinforcement](#)", *TMS Journal -The Professional Journal of the American Masonry Society*, 18(1), 31-44.
88. Madan, A., Reinhorn, A. M., Mander, J. B. (2000), "[Interaction of In-plane Shear and Flexure in Masonry Walls with Unbonded Longitudinal Reinforcement](#)", *TMS Journal -The Professional Journal of the American Masonry Society*, 18(1), 45-64
89. Simeonov, V.K., Sivaselvan M., and Reinhorn, A.M. (2000), "[Nonlinear Analysis of Frame Structures by the State-Space Approach](#)", *Computer-Aided Civil and Infrastructure Engineering (Special Volume in honor of Prof. Gear)* 15(2), 76-89.
90. Constantinou, M.C., Reinhorn, A., Tsopelas, P., and Nagarajaiah, S. (1999), "[Techniques in nonlinear dynamic analysis of seismic isolated structures.](#)" in *Structural Dynamic Systems Computational Techniques and Optimization - Seismic Techniques*, Gordon and Breach International Series in Engineering, Technology and Applied Science, V12, 1-24
91. Mylonakis G., Simeonov, V. Reinhorn, A.M. and Buckle, I.G. (1999), "[Implications of Spatial Variation of Ground Motion on Collapse of SR 14/I-5 Southbound and Overhead Bridge in Northridge Earthquake](#)", in *ACI/Special Publication - SP 187-14*, 299-326
92. Cao, H., Reinhorn, A.M., and Soong, T.T. (1998), "[Design of an Active Mass Damper for a Tall TV Tower in Nanjing, China](#)," *Engineering Structures*, 20(3), 134-143.
93. Riley, M., Reinhorn, A.M., and Nagarajaiah, S. (1998), "[Implementation Issues and Testing of a Hybrid Sliding Isolation System](#)," *Engineering Structures*, 20(3), 144-154.
94. Reinhorn, A. (1997), "[Inelastic Analysis Techniques in Seismic Evaluations](#)", in *Seismic Design Methodologies for the Next Generation of Codes* (Krawinkler and Fajfar, eds), Balkema Publishers, 277-287.

95. Madan, A., Reinhorn, A.M., Mander, J., and Valles, R. (1997), "[Modeling of Masonry Infill Panels For Structural Analysis](#)," *ASCE/Journal of Structural Engineering*, 123(10), 1295-1302.
96. Bracci, J.M., Kunnath, S.K. and Reinhorn, A.M. (1997), "[Simplified Seismic Performance and Retrofit Evaluation of RC Structures](#)," *ASCE/Journal of Structural Engineering*, 123(1), 3-10.
97. Gluck, N., Reinhorn, A.M., Gluck, J., and Levy, R. (1996), "[Design of Supplemental Dampers for Control of Structures](#)," *ASCE/Journal of Structural Engineering*, 122(12), 1394-1399.
98. Reinhorn, A.M. (1996), "Supplemental Damping Devices for Seismic Retrofit of Frame Structures in US" *Rebuilding Maintenance & Management - Special Edition*, 18(2)(104), 40-52 (in Japanese).
99. Madan, A., Reinhorn, A.M., and Mander, J. (1996), "[Flexural Capacity of Reinforced Masonry Walls with Unbonded Reinforcement](#)" *TMS Journal -The Professional Journal of the American Masonry Society*, 14(1), 87-98.
100. Yang, J.N., Wu, J.C., Reinhorn, A.M., Riley, M.A., Schmitendorf, W.E., and Jabbari, F. (1996), "[Experimental Verification of \$H_{oo}\$ and Sliding Mode Control for Seismic-Excited Buildings](#)," *ASCE/Journal of Structural Engineering*, 122(1), 69-75.
101. Yang, J.N., Wu, J.C., Reinhorn, A.M., and Riley, M.A., (1996), "[Control of Sliding-Isolated Building Using Sliding Mode Control](#)," *ASCE/Journal of Structural Engineering*, 121(1), 83-01.
102. Subramaniam, R.S., Reinhorn, A.M., Nagarajaiah, S., and Riley, M.A. (1996), "[Hybrid Control of Structures Using Fuzzy Logic](#)," *Microcomputers in Civil Engineering: Special Issue on Fuzzy Logic In Civil Engineering*, Blackwell Publishers, Oxford, UK, 11(1), 1-18.
103. Naem F., Dijulio R.M. Jr., Benuska K.V. , Reinhorn A.M. and Li, C. (1995), "[Seismic Performance Analysis of a Multistory Steel Moment Frame Building Damaged During the 1994 Northridge Earthquake](#)", *Journal of the Structural Design of Tall Buildings*, Vol. 4, 263-312 (Best Paper Award).
104. Bracci, J.M., Reinhorn, A.M., and Mander, J.B. (1995), "[Seismic Retrofit of Reinforced Concrete Buildings Designed for Gravity Loads: Performance of Structural Model](#)," *ACI/Structural Journal*, 92(6), 601-613.
105. Bracci, J.M., Reinhorn, A.M., and Mander, J.B. (1995), "[Seismic Resistance of Reinforced Concrete Frame Structures Designed for Gravity Loads: Performance of Structural System](#)," *ACI/Structural Journal*, 92(5), 597-609.
106. Kunnath, S.K. and Reinhorn, A.M. (1995), "[Efficient Modeling Scheme for Transient Analysis of Inelastic RC Structures](#)," *Microcomputers in Civil Engineering, International Journal of Computer-Aided Civil and Infrastructure Engineering*, Vol. 10(2), 97-110.
107. Reichman, Y., and Reinhorn, A.M. (1995), "[Extending Seismic Life Span of Bridges](#)," *Structural Engineering Review - Progress in Bridge Engineering*, Pergamon Press, 7(3), 207-218.
108. Kunnath, S.K., Hoffmann, G., Reinhorn, A.M., and Mander, J.B. (1995), "[Gravity Load Designed Reinforced Concrete Buildings Part II: Evaluation of Detailing Enhancements](#)," *ACI/Structural Journal*, 92(4), 470-478.
109. Kunnath, S.K., Hoffmann, G., Reinhorn, A.M., and Mander, J.B. (1995), "[Gravity Load Designed Reinforced Concrete Buildings Part I: Seismic Evaluation of Existing Construction](#)," *ACI/Structural Journal*, 92(3), 343-354.
110. Soong, T.T, Reinhorn, A.M., Aizawa, S. and Higashino, M. (1994), "[Recent Structural Applications of Active Control Technology](#)," *Journal of Structural Control*, 1(N1-2), 5-21.
111. Aycardi, L., Mander, J.B. and Reinhorn, A.M. (1994), "[Seismic Resistance of Reinforced Concrete Frame Structures Designed Only For Gravity Loads: Experimental Performance of Subassemblies](#)," *ACI/Structural Journal*, 91(5), 552-563, discussion July. 1995, 502-504.
112. Lopez, Almansa, F., Andrade, J., Rodellar, J. and Reinhorn, A.M. (1994), "[Modal Predictive Control of Structures - Part \(II\): Implementation](#)," *ASCE/Journal of Engineering Mechanics*, 120(8), 1761-1772.
113. Lopez, Almansa, F., Andrade, J., Rodellar, J. and Reinhorn, A.M. (1994), "[Modal Predictive Control of Structures - Part \(I\): Formulation](#)," *ASCE/Journal of Engineering Mechanics*, 120(8), 1743-1760.
114. Mander, J.B., Bracci, J.M., Reinhorn, A.M. (1994), "[Seismic Retrofitting of Reinforced Concrete Frames Using Masonry](#)," *Proceedings of the British Masonry Society*, 6, 302-308.
115. Tsopelas, P., Nagarajaiah, S., Constantinou, M.C., and Reinhorn, A.M. (1994), "[Nonlinear Dynamic Analysis of Multiple Building Base Isolated Structures](#)," *J. of Computers and Structures*, 50(1), 47-58.
116. Soong, T.T. and Reinhorn, A.M. (1993), "[An Overview of Active and Hybrid Structural Control Research in the U.S.](#)" *The Structural Design of Tall Buildings*, 2(1), 193-209.
117. Reinhorn, A.M. and Soong, T.T. (1993), "[Tech Topics: Bracing with Muscle](#)," *Progressive Architecture*, 3(3), 38-40.
118. Reinhorn, A.M. and Soong, T.T. (1993), "[Active Bracing Systems](#)," *Modern Steel Construction*, 33(5), 28-33.
119. Nagarajaiah, S., Riley, M. A. and Reinhorn, A. M. (1993), "[Control of Sliding Isolated Bridge with Absolute Acceleration Feedback](#)," *ASCE/J. of Engineering Mechanics*, 119(11), 2317-2332.

120. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C. (1993), "[Torsion in Base Isolated Structures with Elastomeric Systems](#)," *ASCE/Journal of Structural Engineering*, 119(10), 2932-2951.
121. Reinhorn, A.M., Soong, T.T., Riley, M.A., Lin, R.C., Aizawa, S., Higashino, M. (1993), "[Full Scale Implementation of Active Control Part II: Installation and Performance](#)", *ASCE/Journal of Structural Engineering*, 119 (6), 1935-1960.
122. Demetriades, G.F., Constantinou, M.C., and Reinhorn, A.M. (1993), "[Study of Wire Rope Systems for Seismic Protection of Equipment in Buildings](#)," *Engineering Structures*, 15(5), 321-334.
123. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C. (1993), "[Torsional Coupling in Base Isolated Structures: Sliding Isolated Systems](#)," *ASCE/Journal of Structural Engineering*, 119(1), 130-149.
124. Mokha, A., Constantinou, M.C., and Reinhorn, A.M. (1993), "[Verification of Friction Model of Teflon Bearings under Triaxial Load](#)," *ASCE/Journal of Structural Engineering*, 119(1), 240-261.
125. Valles, R., Kunnath, S.K. and Reinhorn, A.M. (1993), "[Simplified Drift Evaluation of Wall-Frame Structures](#)", *Computer-Aided Civil and Infrastruct. Engineering*, 8(3) 233–246 doi: 10.1111/j.1467-8667.1993.tb00208.x
126. Lobo, R.F., Bracci, J.M., Shen, K., Reinhorn, A.M., and Soong, T.T. (1993), "[Inelastic Response of R/C Structures with Viscoelastic Braces](#)", *Earthquake Spectra*, 9(3), 419-446.
127. Constantinou, M.C., Kartoum, A., and Reinhorn, A.M. (1992), "[Sliding Isolation System for Bridges: Analytical Study](#)," *Earthquake Spectra*, 8, (3), 345-372.
128. Constantinou, M.C., Kartoum, A., Reinhorn, A.M., and Bradford, P. (1992), "[Sliding Isolation System for Bridges: Experimental Study](#)," *Earthquake Spectra*, 8(3), 321-344.
129. Juhn, G., Manolis, G.D., Constantinou, M.C., and Reinhorn, A.M. (1992), "[Experimental Study of Secondary Systems in Base Isolated Structures](#)," *ASCE/Journal of Structural Engineering*, 118(8), 2204-2221.
130. Wang, Y.P., Reinhorn, A.M., and Soong, T.T. (1992), "[Development of Design Spectra for Actively Controlled Wall Frame Buildings](#)", *ASCE/Journal of Engineering Mechanics*, 118(6), 1201-1220.
131. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C. (1992), "[Experimental Study of Sliding Isolated Structures with Uplift Restraint](#)", *ASCE/ Journal of Structural Engineering*, 118(6), 1666-1682.
132. Soong, T.T., Reinhorn, A.M., Wang, Y.P. and Lin, R.C. (1991), "[Full-Scale Implementation of Active Control: I. System Design and Simulation Results](#)", *ASCE/Journal of Structural Engineering*, 117(11), 3516-3536.
133. Kunnath, S.K., Reinhorn, A.M. and Abel, J.F. (1991), "[A Computational Tool for Evaluation of Seismic Performance of R/C Buildings](#)," *Computers and Structures*. 41(1), 157-171.
134. Panahshahi, N., Reinhorn, A.M., Kunnath, S.K., Le-Wu, L., Huang, T., and Yu, K. (1991), "[Seismic Response of a 1:6 Reinforced Concrete Scale-Model Structure with Flexible Floor Diaphragms](#)", *ACI Structural Journal*, 88 (3) 315-324.
135. Constantinou, M.C., Reinhorn, A.M., Mokha, A.S., and Watson, R. (1991), "[Displacement Control Device for Base-Isolated Bridges](#)", *Earthquake Spectra*, 7(2), 179-200.
136. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C. (1991), "[Nonlinear Dynamic Analysis of Three-Dimensional Base Isolated Structures](#)", *ASCE/Journal of Structural Engineering*, 117(7), 2035-2054.
137. Kunnath, S.K., Panahshahi, N., and Reinhorn, A.M. (1991), "[Seismic Response of RC Buildings with Inelastic Floor Diaphragms](#)", *ASCE/Journal of Structural Engineering*, 117(4), 1218-1237.
138. Constantinou, M.C., Mokha, A. And Reinhorn, A.M. (1991), "[Study of a Sliding Bearing and Helical Steel Spring Isolation System](#)", *ASCE/Journal of Structural Engineering*, 117(4), 1257-1275.
139. Mokha, A., Constantinou, M.C., Reinhorn, A.M., and Zayas, V. (1991), "[Experimental Study on Friction Pendulum Isolation System](#)", *ASCE/Journal of Structural Engineering*, 117(4), 1201-1217.
140. Mokha, A., Constantinou, M.C. and Reinhorn, A.M. (1990), "[Further Results on the Frictional Properties of Teflon Bearings](#)", *ASCE/Journal of Structural Engineering*, 117(2), 622-627.
141. Kunnath, S.K. and Reinhorn, A.M., (1990), "[Model for Inelastic Biaxial Bending Interaction of R/C Beam-Columns](#)", *ACI/Structural Journal*, 86(3), 284-291.
142. Kunnath, S.K., Reinhorn, A.M. and Park, Y.J. (1990), "[Analytical Modeling of Inelastic Seismic Response of R/C Structures](#)", *ASCE/Journal of Structural Engineering*, 116(4), 996-1017.
143. Park, S.P., Lai, M.L., Lin, C.C., Naibu, H., Soom, A., Reinhorn, A.M., Lee, Y.H., Demijanenko, V., Benenson, D.M., Soong, T.T. and Wright, S.E. (1990), "[Measurements for Noninvasive Mechanical Diagnostics of Power Circuit Breakers](#)", *Electric Power Systems Research*, 19(1), 1-10.
144. Constantinou, M.C., Mokha, A. and Reinhorn, A.M. (1990), "[Exper in Base Isolation, Part II: Modeling.](#)" *ASCE/Journal of Structural Engineering*, 116(2), 455-474.
145. Mokha, A., Constantinou, M.C. and Reinhorn, A.M. (1990), "[Teflon Bearings in Base Isolation, Part I: Testing](#)", *ASCE/Journal of Structural Engineering*, 116(2), 438-454.
146. Caspe, M.S. and Reinhorn, A.M. (1989), "[Bringing the House Down](#)", *The Military Engineer - Journal of the Society of American Military Engineers*, 81(531), 16-20.

147. Seidel, M.I., Reinhorn, A.M., and Park, Y.J. (1989), "[Seismic Damageability Assessment of R/C Buildings in Eastern U.S.](#)", *ASCE/Journal of Structural Engineering*, 115(9), 2184-2203.
148. Chung, L.L., Lin, R.C., Soong, T.T., and Reinhorn, A. (1989), "[Experimental Study of Active Control for MDOF, Seismic Structures](#)", *ASCE/Journal of Engineering Mechanics Division*, 115(8), 1609-1627
149. Kunnath, S.K. and Reinhorn, A.M. (1989), "[Seismic Evaluation of R/C Frame Wall Buildings](#)", *ACI/Concrete International, Design & Construction*, Special Issue, 11(8), 57-61.
150. Rodellar, J., Chung, L.L., Soong, T.T. and Reinhorn, A. (1989), "[Experimental Digital Control of Structures](#)", *ASCE/Journal of Engineering Mechanics Division*, 115(6), 1245-1261.
151. Reinhorn, A.M. and Manolis, G.D. (1989), "[Recent Advances in Structural Control](#)", *Shock and Vibration Digest*, Featured Article, 21(1), 3-8.
152. Lai, M.L., Park, S.Y., Lin, C.C., Naidu, A., Soom, A., Reinhorn, A., Lee, Y.H., Soong, T.T., Demjanenko, V., Benenson, D., and Wright, S.E. (1988), "[Mechanical Failure Detection of Circuit Breakers](#)", *IEEE/Transactions of Power Engineering Society*, 3(4), 1724-1731.
153. Chung, L.L., Reinhorn, A., and Soong, T.T. (1988), "[Experiments on Active Control of Seismic Structures](#)", *ASCE/Journal of Engineering Mechanics Division*, 114(2), 241-256.
154. Caspe, M.S. and Reinhorn, A. (1987), "[The Blast Barrier: A Blast Protection System for Building and Perimeter Security](#)", *The Military Engineer - Journal of the Society of American Military Engineers*, 79, (513), 100-105.
155. Reinhorn, A., Manolis, G.D. and Wen, C.Y. (1987), "[Active Control of Inelastic Structures](#)", *ASCE/Journal of Engineering Mechanics Division*, 113 (3), 315-333.
156. Reinhorn, A., and Prawel S.P. (1986), "[Ferrocement in a Large Shaking Table](#)", *ASCE/Journal of Structural Engineering*, 112(2), 401-416.
157. Reinhorn, A. and Manolis, G.D. (1985), "Current [State of Knowledge on Structural Control](#)", *Shock and Vibrations Digest*, 17(10), 7-16
158. Reinhorn A., Prawel, S.P., and Jia, Z.H. (1985), "[Experimental Study of Ferrocement as a Seismic Retrofit Material for Masonry Walls](#)", *Journal of Ferrocement*, 15(3), 247-260
159. Prucz, Z., Soong, T.T. and Reinhorn, A. (1985), "[An Analysis for Pulse Control for Simple Mechanical Systems](#)", *ASME/Journal of Dynamic Systems Measurements and Control*, 107(2), 123-131
160. Prawel, S.P. and Reinhorn, A. (1983), "[Building Construction: A Competitive Modern Building Material](#)", - *Concrete International - Design and Construction*, Special Issue, 5, (11), 17-21
161. Prawel, S.P. and Reinhorn, A. (1982), "[Properties in Flexure of Under Reinforced Ferrocement Panels in Two-Way bending](#)", *Journal of Ferrocement*, 12(3), 237-250
162. Tatsa, E.Z., Prawel, S.P. and Reinhorn, A. (1981), "[Long Span Composite Roof Systems of Ferrocement and Frame Components](#)", *Journal of Ferrocement*, 11(1), 55-66
163. Reinhorn, A., "[Discussion on Paper by K.M. Dempsey and H.M. Irvine](#)" (1980), *Int. Journal of Earthquake Engineering and Structural Dynamics*, 8 (1), 75-77
164. Gluck, J., Reinhorn, A., and Rutenberg, A. (1979), "[Dynamic Torsional Coupling in Tall Buildings Structures](#)", *Proc. of Inst. of Civ. Engrg.*, 67(2), 411-424, DOI:10.1680/iicep.1979.2465
165. Rutenberg, A., Gluck, J., and Reinhorn, A. (1978), "[On the Dynamic Properties of Asymmetric Wall-Frame Structures](#)", *Int. Journal of Earthquake Engineering and Structural Dynamics*, 6(3), 317-320
166. Reinhorn, A., Rutenberg, A., and Gluck, J. (1977), "[Dynamic Torsional Coupling in Asymmetric Building Structures](#)", *Building & Environment (formerly Building Science)*, 12, (4), 251-261

Go to [List of Contents](#)

[REVIEWED PAPERS IN EDITED BOOKS](#)

167. Soroushian, S., Rahmanishamsi, E., Ryu, K.P. Maragakis, E.M. and Reinhorn A.M.(2014), "[A Comparative Study of Subsystem and System Level Experiments of Suspension Ceiling Systems](#)", *Frontiers of Earthquake Engineering Tenth U.S. National Conference on Earthquake Engineering*, July 21-25, 2014, Anchorage, Alaska Paper #001206.
168. Ryu KP and Reinhorn A.M.(2014), "[Simplified Analytical Modeling of a Suspended Ceiling System](#)", *Frontiers of Earthquake Engineering Tenth U.S. National Conference on Earthquake Engineering*, July 21-25, 2014, Anchorage, Alaska Paper #001206.
169. Pasala, D. T. R., Sarlis, A. A. S., Nagarajaiah, S., Reinhorn, A. M., Constantinou, M. C., Taylor, D.,(2012), "Negative Stiffness Device for Seismic Protection of Multistory Structures," *2012 Structures Congress-SEI-ASCE Structures Congress III*, March 29-31.
170. Attary, N., Symans, M.D., Nagarajaiah, S., Reinhorn, A.M., Constantinou, M.C., Taylor, D., Sarlis, A.A. and Pasala, D.T.R. (2012). "Application of Negative Stiffness Devices for Seismic Protection of Bridge Structures," *2012 Structures Congress-SEI-ASCE Structures Congress*, Chicago, IL, March 29-31

171. Reinhorn, A. M., Ray, T., Pasala, D. T. R., Sarlis, A. A. S., Nagarajaiah, S. and Constantinou, M. C., (2012), "[Control of inelastic structures by weakening and damping](#)", *2012 Structures Congress-SEI-ASCE, 20th Analysis and Computations Specialty Track*, Featured Lecture, March 29-31. pp. 37-48, doi: 10.1061/9780784412374.004
172. Reinhorn A.M. and Schachter M., (2012) "[Experimental and analytical modelling of seismic behaviour of braced framed structures with “zipper” mechanism](#)" in *Behavior of Steel Structures in Seismic Areas - STESSA 2012* (Mazzolani & Herrera (eds)), 2012 Taylor & Francis Group, London, ISBN 978-0-415-62105-2, 105-110
173. Sarlis, A. A. S., Pasala, D. T. R., Constantinou, M. C., Reinhorn, Nagarajaiah, S., A. M., Taylor, D., (2011), "[Negative stiffness device for seismic protection of structures – an analytical and experimental study](#)", *Proceedings of COMPDYN 2011, 3rd ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, M. Papadrakakis, M. Fragiadakis, V. Plevris (eds.), Corfu, Greece, 25–28 May 2011, 4091-4221
174. Renschler C.S., Reinhorn A. M. , Arendt L. A., Cimellaro G. P., (2011), "[The P.E.O.P.L.E.S. Resilience Framework: A Conceptual Approach to Quantify Community Resilience](#)", *Proceedings of COMPDYN 2011, 3rd ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering* M. Papadrakakis, M. Fragiadakis, V. Plevris (eds.), Corfu, Greece, 25–28 May 2011, 2014-2023
175. Arcidiacono, V., Cimellaro G. P., Reinhorn A M., (2011), "[Software for Measuring Disaster Community Resilience According to the P.E.O.P.L.E.S. Methodology](#)", *Proceedings of COMPDYN 2011, 3rd ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering* M. Papadrakakis, M. Fragiadakis, V. Plevris (eds.), Corfu, Greece, 25–28 May 2011, 1969-1986
176. Pasala, D. T. R., Sarlis, A. A. S., Nagarajaiah, S., Reinhorn, A. M., Constantinou, M. C., Taylor, D., (2011), "[Adaptive Negative Stiffness: A new structural modification approach for seismic protection](#)" *2011 ASCE/SEI Structures Congress*, April 14-16, 2011, Las Vegas NV, 2892-2904
177. Cimellaro G. P., Renschler C.S., Frazier A., Arendt L. A., Reinhorn A M. and Bruneau, M. (2011) , "[The State of Art of Community Resilience of Physical Infrastructures](#)", *2011 ASCE/SEI Structures Congress*, April 14-16, 2011, Las Vegas NV, 2021-2032
178. Reinhorn, A.M., Cimellaro, G.P., and Soong, (2008), "[Integrated Design of Smart Structures](#)", in *Advances in Science and Technology*, Vol. 56, 127-136 (CD: Embodying Intelligence in Structures and Integrated Systems).
179. Reinhorn, A.M., Sivaselvan M.S., Dargush G.F., Lavan O, (2007), "[Mixed Lagrangian Formulation in Analysis of Collapse of Structures](#)", in *ECCOMAS2007 Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, M. Papadrakakis, D.C. Charmpis, N.D. Lagaros, Y. Tsompanakis (eds.) 13–16 June 2007, Rethymno, Crete, Greece, paper #1507 (keynote lecture)
180. Lavan O, Dargush G.F., Reinhorn, A.M., and Sivaselvan M.S., (2007), "[Time Integrated Mixed Lagrangian Formulation \(Time\) for Impulsive Loadings and Impacts](#)", in *ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, M. Papadrakakis, D.C. Charmpis, N.D. Lagaros, Y. Tsompanakis (eds.)13–16 June 2007, Rethymno, Crete, Greece, paper #1509
181. Cimellaro, G.P. and Reinhorn, A.M., (2007), "[Selection of Seismic Records for Fragility Analysis of Nonlinear Systems with Nonstructural Components](#)", in *ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, M. Papadrakakis, D.C. Charmpis, N.D. Lagaros, Y. Tsompanakis (eds.)13–16 June 2007, Rethymno, Crete, Greece, paper #1473
182. Cimellaro, G.P. Lavan, O., and Reinhorn, A.M., (2007), "[Optimal Weakening and Damping of Inelastic Structures for Seismic Loadings](#)", in *ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, M. Papadrakakis, D.C. Charmpis, N.D. Lagaros, Y. Tsompanakis (eds.)13–16 June 2007, Rethymno, Crete, Greece, paper #14732
183. Schachter, M and Reinhorn, A.M., (2007), "[Corotational Formulation for Buckling and Instability of 3D Frame Structures](#)", in *ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, M. Papadrakakis, D.C. Charmpis, N.D. Lagaros, Y. Tsompanakis (Eds.)13–16 June 2007, Rethymno, Crete, Greece, Paper #1330
184. Mosqueda G, Retamales R, Filiatrault A.R. and Reinhorn, A. M. (2006), "[Experimental Seismic Fragility of Nonstructural Components using Full-scale Floor Excitations](#)", in *17th Analysis and Computation Specialty Conference - Charney, F., Grierson, D., and Hoit M (eds) / 2006 ASCE Structures Congress*, May 18-21, 2006, St-Louis, MS
185. Reinhorn A.M., Shao, X, Sivaselvan M, Pitman, M. and Weinreber, S. (2006), "[Real Time Dynamic Hybrid Testing Using Shake Tables and Force-Based Substructuring](#)", in *17th Analysis and Computation Specialty Conference - Charney, F., Grierson, D., and Hoit M. (eds) / 2006 ASCE Structures Congress*, May 18-21, 2006, St-Louis, MS
186. Leon Roberto, Yang Chuang-Sheng, Desroches Reginald, Reinhorn Andrei, Schachter Macarena, Stojadinovic Bozidar, Yang Tony, Shing Benson and Wei Zhong,(2005) "[Results of Early Collaborative Research on](#)

- [Behavior of Braced Steel Frames with Innovative Bracing Schemes \(Zipper Frames\)](#)”, in *Advances in Experimental Structural Engineering*, - Itoh and Aoki (eds.), AESE 2005 July, Nagoya, Japan, 525-532
187. Reinhorn A.M., Gluck, N., Gluck, J. and Levy, R. (2000), “[Optimal Design of Supplemental Dampers for Control of Structures](#)”, in *Structural Control for Civil and Infrastructure Engineering* (Casciati and Magonette Eds.) – Proc. of Third International Workshop on Structural Control, Paris 473-486.
 188. Chu, S. Y., Soong, T.T. and Reinhorn A.M. (2000), “Some Implementation Issues in Structural Control”, in *Structural Control for Civil and Infrastructure Engineering* (Casciati and Magonette Eds.) – Proc. of Third International Workshop on Structural Control, Paris, 93-106
 189. Naeim, F. Skliros, K. and Reinhorn A.M. (1999), “Effects of Hysteretic Deterioration Characteristics on Seismic Response of Moment Resisting Steel Structures”, SAC/BD-99/18, SAC Joint Venture.
 190. Nagarajaiah, S., Reinhorn, A.M. and Constantinou, M. C. (1999), "Dynamic Analysis of Base Isolated Structures", *ASCE Monograph on Seismic Isolation*.
 191. Mylonakis, G. and Reinhorn, A.M. (1997), “Inelastic Seismic Response Near fault: An Analytical Solution”, in *Behaviour of Steel Structures in Seismic Areas* (Mazzolani and Akyiama, eds), Edizioni 10/97, Salerno Italy, 82-89.
 192. Bracci, J.M. and Reinhorn, A.M. (1996), “Shaking Table Testing of 1:3 Scale R/C Frame Model.” In *Structural Dynamics - Proceedings of Third European Conference in Structural Dynamics* (Augusti, Borri, & Spinelli, eds.), Balkema/Rotterdam/Brookfield, 893-897.
 193. Reinhorn, A.M., Subramaniam, R., and Riley, M.A. (1996), “Fuzzy Logic Based Control for Sliding Structures”, in *Analysis and Computations* [Chen S. Ed.], ASCE, NY, xx-xx.
 194. Reinhorn, A.M., Constantinou, M.C., and Li, C. (1995), “[Use of Supplemental Damping Devices for Seismic Strengthening of Lightly Reinforced Concrete Frames](#),” *Proceedings, Workshop on the Seismic Rehabilitation of Lightly Reinforced Concrete Frames*, (Geraldine S. Cheok, Editor), National Institute of Standards and Technology.
 195. Constantinou, M.C. and Reinhorn, A.M. (1995), “Seismic Isolation and Control” in *Structural Dynamic Systems Computational Techniques and Optimization*, Gordon and Breach International Series in Engineering Technology and Applied Science (Cornelius Leondes Ed.) , Vol 12, 1-24
 196. Reinhorn, A.M., and Li, C. (1995), “Retrofit of Structures Using Damping Devices,” in *Restructuring: America and Beyond* [Masael Sanayei (editor)], ASCE, NY, Vol. 1, 760-763.
 197. Riley, M.A., Aktan, H.M., Nagarajaiah, S., and Reinhorn, A.M. (1994), "Hybrid Structural Control of Seismic Safety," *Proceedings of the 11th Analysis and Computation Conference at the ASCE/Structures Congress*, 1994 (F.Y.Chen Ed), Atlanta, May 1994, 307-316.
 198. Riley, M.A., Subramaniam, R., Nagarajaiah, S., and Reinhorn, A.M. (1993), “Hybrid Control System for Sliding Base Isolated Structures,” *ATC-17-1 Seminar on Seismic Isolation Passive Energy Dissipation, and Active Control* [C. Rojhan Ed.], San Francisco, California, March 11-12, 1993. Vol. 2, 799-810.
 199. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M. (1993), "Torsion in Base Isolated Structures," *ATC-17-1 Seminar on Seismic Isolation Passive Energy Dissipation, and Active Control* [C. Rojhan Ed.], San Francisco, California, March 11-12, 1993, Vol. 1, 331-338.
 200. Nagarajaiah, S., Tsopelas, T., Li, C., Reinhorn, A.M., and Constantinou, M. (1993), "3D-Basis: A Class of Computer Programs for Nonlinear Dynamic Analysis of Base Isolated Structures," *ATC-17-1 Seminar on Seismic Isolation Passive Energy Dissipation, and Active Control* [C. Rojhan Ed.], San Francisco, California, March 11-12, 1993, Vol. 1, 173-184.
 201. Bracci, J.M., Lobo, R.F., Reinhorn, A.M. (1993), "Seismic Retrofit of Reinforced Concrete Structures Using Damping Devices," *ATC-17-1 Seminar on Seismic Isolation Passive Energy Dissipation, and Active Control* [C. Rojhan Ed.], San Francisco, California, March 11-12, 1993, Vol. 2, 569-580.
 202. Reinhorn, A.M., Subramaniam, R.S., Nagarajaiah, S., and Riley, M.A. (1993), "Study of Hybrid Control of Structural and Nonstructural Systems," in *Proc. of Int. Workshop on Structural Control and Intelligent Systems*, [Husner, G.W. & Masri, S.F. (Eds.)], Honolulu, Hawaii, August 1993, 405-416.
 203. Reinhorn, A.M., Nagarajaiah, S., Riley, M.A., and Subramaniam, R.S. (1993), "Hybrid Control of Sliding Isolated Structures," in *Structural Engineering and Natural Hazard Mitigation*, [Ang AHS & Villaverde, (Eds.)], Vol. 1, ASCE, NY, 766-791.
 204. Soong, T.T. and Reinhorn, A.M. (1993), "Observed Response of Actively Controlled Structures," in *Structural Engineering and Natural Hazards Mitigation*, [Ang AHS and Villaverde (Eds.)], ASCE, NY, Vol. 1, 187-192.
 205. Reinhorn, A.M., Kunnath, S.K., and Mander, J.B. (1992), "Seismic Design of Structures for Damage Control," in *Nonlinear Seismic Analysis and Design of Reinforced Concrete Buildings*, [Fajfar and Krawinkler, (Eds.)], Elsevier Applied Science Publishers, U.K., 63-76.
 206. Soong, T.T., Reinhorn, A.M. (1992), "Full-Scale Implementation of Active Structural Control", in *Intelligent Structures 2*, [Y.K. Wen (Ed.)], Elsevier, London and NY, 252-263.

207. Riley, M.A., Reinhorn, A.M., and Constantinou, M.C. (1991), "Active Control of Absolute Motion in Study Systems," in Dynamic and Control of Large Structures (L. Meirovitch, Editor), Virginia Polytechnic Institute Publication, Blacksburg, Virginia, 243-252.
208. Kunnath, S.K., Reinhorn, A.M., Abel, J.F. and Young, J. Park (1990), "A Macromodel Approach To Practical Analysis of R/C Buildings Under Seismic Excitation", in *Computer Aided Analysis and Design of Concrete Structures*, N. Bicanic and H. Mang (Eds.), Pineridge Press, Swansea U.K. Vol. 2, 1155-1167.
209. Reinhorn, A.M., Mander J.B. and Kunnath, S.K. (1990), "Damage Based Design and Evaluation of Structural Systems - Future Approach", in Developments in Seismic Design of Buildings in Israel, A. Scarlat (Ed.), Israeli, Tel Aviv Israel Association of Civil Engineers / Israeli Association of Earthquake Engineering, 3-12.
210. Reinhorn, A.M., Mander, J.B., Bracci, J., and Kunnath, S.K. (1989). "Simulation of Seismic Damage of RC Buildings in Eastern U.S.," *Structural Safety & Reliability (ICOSSAR)*, A.H.S. Ang, M. Shinozuka and G.I. Schuller (Eds.), ASCE, New York, August 1989, 407-414.
211. Constantinou, M.C., Reinhorn, A.M. (1989), "Response of Base Isolated Structure," *Structural Safety & Reliability (ICOSSAR)*, A.H.S. Ang, M. Shinozuka and G.I. Schuller (Eds.), ASCE, New York, August 1989, 485-492.
212. Wang, Y.P. and Reinhorn, A.M. (1989), "Motion Control of Sliding Isolated Structures" in *Seismic Shock and Vibration Isolation - 1989*, H. Chung and T. Fujita (Eds.), ASME, PVP. 181, New York, 89-94.
213. Mokha, A., Constantinou, M.C., and Reinhorn, A.M. (1989), "Sliding Isolated Structures: Experiments and Mathematical Modeling," in *Seismic Shock and Vibration Isolation - 1989*, H. Chung and T. Fujita (Eds.), ASME, PVP- 181, New York, 101-106.
214. Reinhorn, A.M., Kunnath, S.K., Bracci, J. and Mander, J. (1989), "Normalized Damage Index for Evaluation of Buildings", in *Seismic Engineering: Research and Practice*, C.A. Kircher and A.K. Chopra (Eds.), ASCE, New York, 507-516.
215. Reinhorn, A., Soong, T.T., Fukao, Y., Lin, R.C., Wang, Y.P. and Nakai, M. (1989), "Experiments on Active Structural Control Under Seismic Loads", in *Computer Utilization in Structural Engineering*, J.K. Nelson Jr. (Ed.), ASCE, New York, 101-110.
216. Dicorso, P., Harper, W., Reinhorn, A. and Dickerson, J. (1989), "Structures with Semi-Rigid Bolted Connections", in *Steel Structures*, ASCE, Structures Congress, SF, CA New York, 529-538.
217. Constantinou, M.C., Reinhorn, A.M. and Watson, R., B. (1988), "Teflon Bearings in Aseismic Base Isolations: Experimental Studies", in Seismic Shock and Vibration Isolation-1988, H. Chung and N. Mostagel (Eds.) ASME, New York, PVP 147, 9-13.
218. Rodellar, J., Chung, L.L. Soong, T.T., Reinhorn, A. (1987), "Experimental Digital Predictive Control of Structures", *Vibration Control and Active Vibration Suppression*, D. Inman and J. Simmons (Eds.), ASME, New York, DE-4, 115-120.
219. Lin, R.C. Soong, T.T. and Reinhorn, A. (1987), "Active Stochastic Control of Seismic Structures", in Stochastic Approaches in Earthquake Engineering, Y.K.Lin and Minai (Eds.), Springer-Verlag, New York, 157-173.
220. Reinhorn, A., Yeh, L.J. and Snyder, J. (1987), "Prestressed Concrete Beam Design", in *Computer Applications in Structural Engineering*, D. R. Jenkins (Ed.) ASCE, New York, 383-394.
221. Reinhorn, A., Soong, T.T. and Wen, C.Y. (1987), "Base Isolated Structures with Active Control", *Seismic Engineering: Recent Advances in Design Analysis, Testing and Qualification Methods*, T.H. Lin and A. Marr (Eds.), ASME, New York, PVP 127, 413-419.
222. Soong, T.T., Reinhorn, A., and Yang, J.N. (1987), "A Standardized Model for Structural Control Experiments and Some Experimental Results", *Active Control*, HHE Leipholtz (Ed.) Martins-Nijhoff, 669-693.
223. Reinhorn, A, Manolis, G.D., and Wen, C.Y. (1987), "An On-Line Control Algorithm for Inelastic Structures", *Active Control*, HHE Leipholtz (Ed.), Martins-Nijhoff, 564-579.
224. Caspe, M.S., and Reinhorn, A. (1986), "The Earthquake Barrier - A Solution for Adding Ductility to Otherwise Brittle Buildings", *Base Isolation and Passive Energy Dissipation*, C. Rojahn (Ed.), Applied Technology Council, ATC-17, 331 - 362.
225. Chung, L.L., Reinhorn, A., and Soong, T.T. (1986), "An Experimental Study of Active Structures Control", in Dynamic Response of Structures, G.C. Hart and R.B. Nelson (Eds.) ASCE, New York, 795-802.

Go to [List of Contents](#)

SECTIONS IN CODES AND STANDARDS

226. NEHRP2000 (1999) - Update Design Provisions and Commentaries for Building Structures, BSSC/FEMA, 1999 - TS2

227. ACI Committee 549,(1988) "Guide to Design, Construction, and Repair of Ferrocement", ([ACI 549.1R-88 ACI Standard](#)) - Author of Section, "Appendix D - Surface Treatment for Ferrocement Structures Attacked by Commonly used Chemicals, 549-1R-27.

Go to [List of Contents](#)

COMPUTER SOFTWARE - INTERNATIONAL DISTRIBUTION

228. IDARC2D Vers. 1.0 - 7.0 (1997-2009) "Inelastic Damage Analysis of Reinforced Concrete Frame - Shear Wall Structures," (by: A.M. Reinhorn, Y.J.Park, S.K. Kunnath, R Valles, A. Madan, R. Lobo, M. Sivaselvan, H. Roh); Published on MCEER Users Networks & NISEE/EERC - University of California at Berkeley, June 1988; Last Release: IDARC2D-Ver. 7.0 (2009); IDARC- BRIDGE / IDARC 3D - In Progress.; International Users Group currently active; : <http://civil.eng.buffalo.edu/idarc>
229. 3D-BASIS, 3D-BASIS-TABS, 3D-BASIS M, 3D-BASIS ME (1991-2005) - "A Three-dimensional Analysis for Base Isolated Structures," February 1991 (by A.M. Reinhorn, S. Nagarajaiah, M.C. Constantinou and T. Tsopelas) - see also Reports NCEER-89-0019, NCEER-91-0005, NCEER-91-0014, NCEER-93-0011, NCEER-94-0010 and NCEER-94-0018 Last release: (2005); Published on MCEER Users Networks: <http://civil.eng.buffalo.edu/3dbasis>
230. NPECTRA- "A procedure for evaluation of nonlinear spectra from time histories" - Published on MCEER Users Networks: <http://civil.eng.buffalo.edu/nspectra/>, Ver 2.0) May, 1999, (Ver. 3.0) May 2011.

Go to [List of Contents](#)

PAPERS IN CONFERENCE PROCEEDINGS (including presentations)

231. Ryu K.P., Reinhorn A.M. and Filiatrault A. (2012), "Full Scale Dynamic Testing of Large Area Suspended Ceiling System", *Proceedings 15th World Conference on Earthquake Engineering, September 23-28, 2012, Lisbon Portugal-Paper 5474*
232. Oikonomou, K., Constantinou, M.C., Reinhorn A.M and Yenidogan, C. (2012), " Seismic Isolation of Electrical Equipment "Seismic Table Simulation", *Proceedings 15th World Conference on Earthquake Engineering, September 23-28, 2012, Lisbon Portugal, Paper 5340*
233. Attary N., Symans M., Nagarajaiah S., Reinhorn A.M., Constantinou M.C., Taylor D., Pasala D.T.R., Sarlis A.A.S. (2012), "Performance Evaluation of a Seismically-Isolated Bridge Structure with Adaptive Passive Negative Stiffness", *Proceedings 15th World Conference on Earthquake Engineering, September 23-28, 2012, Lisbon Portugal-Paper 4310*
234. N. Attary, M. Symans, S. Nagarajaiah, A. M. Reinhorn, M. C. Constantinou, D. Taylor, A. A. Sarlis, and D. T. R. Pasala, (2013), "[Performance Assessment of a Highway Bridge Structure employing Adaptive Negative Stiffness for Seismic Protection](#)", *Proceedings Structures Congress 2013: 1736-1746.*
235. D. T. R. Pasala & S. Nagarajaiah, A. A. Sarlis, A. M. Reinhorn, M. C. Constantinou, and D. Taylor (2012), "A New Structural Modification Approach for Seismic Protection using Negative Stiffness Device", *Proceedings 15th World Conference on Earthquake Engineering, September 23-28, 2012, Lisbon Portugal-Paper 5490*
236. A. A. Sarlis, M. C. Constantinou, A. M. Reinhorn, D. T. R. Pasala, S. Nagarajaiah, and D. Taylor (2012), "Seismic Protection of Structures Using Novel Negative Stiffness Device", *Proceedings 15th World Conference on Earthquake Engineering, September 23-28, 2012, Lisbon Portugal-Paper5498*
237. Roh H., Lee J.S., and Reinhorn A.M. (2012), "Equivalent Viscous Damping Of SMA Bars Connectors in Post Tensioned Segmental Bridge Piers", *Proceedings 15th World Conference on Earthquake Engineering, September 23-28, 2012, Lisbon Portugal-Paper1329*
238. Cimellaro G.P., Arcidiacono V., Reinhorn A. M., Bruneau M., (2012), "Community Resilience Evaluation Including Interdependencies", *Proceedings 15th World Conference on Earthquake Engineering, September 23-28, 2012, Lisbon Portugal*
239. Koliou, M, Filiatrault, A., and Reinhorn A.M (2011), "[Seismic Protection of Electrical Transformer-Bushing Systems Incorporating Flexural Stiffeners](#)", *Proceedings Eighth International Conference on Structural Dynamics EURODYN 2011, Leuven, Belgium*
240. Cimellaro G.P., Renschler C., Frazier A., Arendt, L., Michel Bruneau, M., and Reinhorn A.M (2011), "Community resilience index for road network systems", *Proceedings of Eighth International Conference on Structural Dynamics EURODYN 2011, Leuven, Belgium*
241. Sarlis AAS, Pasala DTR, Constantinou MC, Reinhorn AM, Nagarajaiah S, Taylor D. (2011) "Negative Stiffness Device for Seismic Protection of Structures – An Analytical and Experimental Study." *Proceedings 3rd International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMAS), Corfu, Greece.*
242. Pasala, D. T. R., Sarlis, A. A. S., Nagarajaiah, S., Reinhorn, A. M., Constantinou, M. C., Taylor, D.,(2011) "[True Adaptive Negative Stiffness: A new structural modification Approach for Seismic Protection](#)" , *Proceedings of 2011 NSF Engineering Research and Innovation Conference, Atlanta, Georgia*

243. Sarlis, A. A. S., Pasala, D. T. R., Nagarajaiah, S., Reinhorn, A. M., Constantinou, M. C., Taylor, D., (2011) "[Negative Stiffness Device for Seismic Protection of Structures – An Analytical and Experimental Study](#)", *Proceedings of 2011 NSF Engineering Research and Innovation Conference*, Atlanta, Georgia
244. Nagarajaiah S., Reinhorn A. M., Constantinou M. C., Taylor D., Pasala, D. T. R., Sarlis, A. A. S., (2010), "[True Adaptive Negative Stiffness: A New Structural Modification Approach for Seismic Protection](#)", *Proceedings of 5th World Conference on Structural Control and Monitoring*, July 12-14, 2010, Tokyo, Japan
245. Renschler, C.S., Frazier, A.E., Arendt, L.A. Cimellaro, G.P., Reinhorn, A.M., and Bruneau, M. (2010). "[Developing the 'PEOPLES' resilience framework for defining and measuring disaster resilience at the community scale](#)", *9th US and 10th Canadian Conference on Earthquake Engineering*. Toronto, Canada, July 25-29 2010.
246. Tsitos A., Mosqueda G, Filiatrault, A and Reinhorn, A.M.(2010), "[Experimental Investigation of the Progressive Collapse of a Steel Post-Tensioned Energy Dissipating Frame](#)", *9th US and 10th Canadian Conference on Earthquake Engineering*. Toronto, Canada, July 25-29 2010.
247. Mosqueda G., Filiatrault A., Reinhorn A.M., Retamales R., (2010), "[Full-scale Experimental Facility and Loading Protocol for Seismic Performance Assessment of Nonstructural Systems](#)", *Proceedings of 2010 ASCE/SEI Structures Congress*, May 12-15, 2010, Orlando, FL, 2621-2633
248. Gilani, A. S., Takirov, S, Reinhorn A M., and Mahin S (2010), "[Seismic Qualification Testing "Seismic Qualification Testing of Suspended Ceilings: Lessons Learned and the Requirements for a New Test Standard and Qualification Procedure"](#)" *Proceedings of 2010 ASCE/SEI Structures Congress*, May 12-15, 2010, Orlando, FL, 2555-2566
249. Reinhorn A.M, Ryu, K.P., Maddaloni G., (2010),"[Advances in Seismic Qualifications of Suspended Ceilings Results of NEES-GC Initiative](#)", *Proceedings of 2010 ASCE/SEI Structures Congress*, May 12-15, 2010, Orlando, FL, 2588-2599
250. Muhammad F., Roh H., Oikonomou K., Reinhorn A.M., (2010), "Seismic Evaluation of Transformer Bushings", *Abstract and Presentation at 2010 ASCE/SEI Structures Congress*, May 12-15, 2010, Orlando, FL
251. Oikonomou K., Roh H., Reinhorn A.M., Schiff A., Kempner L., (2010), "[Seismic performance evaluation of high voltage transformer bushings](#)", *Proceedings of 2010 ASCE/SEI Structures Congress*, May 12-15, 2010, Orlando, FL, 2724-2735
252. Cimellaro G.P., DeStefano, A. and Reinhorn A.M., (2010), "[Considerations Regarding the Retrofit Intervention of Santa Maria di Collemaggio Basilica in L'Aquila Following 2009 Earthquake](#)", *Proceedings of 2010 ASCE/SEI Structures Congress*, May 12-15, 2010, Orlando, FL, 1082-1091
253. Cimellaro, G. P., Reinhorn, A., and Bruneau, M. (2010), "[Organizational Model of a Hospital System.](#)" *Proceedings of the New Zealand Conference in Safety*, 2010.
254. Cimellaro G.P., Roh H., Fahad, M., Reinhorn A.M., and Schiff, A., (2010), "[Modeling Combined Friction-Viscous Damping in Response of Hollow Core Composite Insulators](#)", *Proceedings of 2010 ASCE/SEI Structures Congress*, May 12-15, 2010, Orlando, FL, 2736-2747
255. Kong, D and Reinhorn, A.M (2009), "[Seismic Evaluation and Protection of High Voltage Disconnect Switches](#)", *Proceedings of ASCE/TCLEE Conference 2009*, Paper #252, Oakland CA, June 29-July 1, 221-231
256. Cimellaro G.P., Reinhorn, A.M. and Schiff, A., (2009), "[Evaluation of Hollow Core Composite Insulators](#)", *Proceedings of ASCE/TCLEE Conference 2009*, Paper #251, Oakland CA, June 29-July 1, 209-220
257. Cimellaro, G. P., Fumo, C., Reinhorn, A., and Bruneau, M. (2009), "[Organizational Model of a Hospital System.](#)" *Proceedings of the 10th International Conference on Structural Safety and Reliability (ICOSSAR2009)*, Senriyama Campus, Kansai University, Osaka, Japan, September 13 - 17, 2009.
258. Gilani, A. S., Reinhorn A M., Ingratta, T., Glasgow, R.B and O. Lavan (2008), "[Earthquake Simulator Testing and Evaluation of Suspended Ceilings: Standard and Alternate Perimeter Installations](#)" *Proceedings of 2008 ASCE Structures Congress*, May 16-19, 2008, Vancouver, BC, Canada
259. Cimellaro, G. P., Fumo, C., Reinhorn, A. M. and Bruneau, M. (2008). "[Seismic resilience of health care facilities](#)" *14th World Conference on Earthquake Engineering (14WCEE)*, Beijing, China, 12-17 October, 2008.
260. Tsitos, A, Mosqueda, G., Filiatrault, A. and Reinhorn, A. M. (2008). "[Experimental Investigation of Progressive Collapse of Steel Frames under Multi-Hazard Extreme Loading](#)" *14th World Conference on Earthquake Engineering (14WCEE)*, Beijing, China, 12-17 October, 2008.
261. Lavan, O., Dargush, G.F. and Reinhorn, A. M. (2008), "[Multi-Objective Evolutionary Optimization of Passive Energy Dissipation Systems under Seismic Loading](#)", *14th World Conference on Earthquake Engineering (14WCEE)*, Beijing, China, 12-17 October, 2008

262. Lavan, O., Sivaselvan, M., Reinhorn, A. M. and Dargush, G.F., (2008), "[Progressive Collapse Analysis Through Strength Degradation and Fracture in the Mixed Lagrangian Framework](#)", *14th World Conference on Earthquake Engineering (14WCEE)*, Beijing, China, 12-17 October, 2008
263. Roh, H. and Reinhorn, A. M. (2008). "[Dynamic Response of Weakened Structures Using Rocking Columns](#)" *14th World Conference on Earthquake Engineering (14WCEE)*, Beijing, China, 12-17 October, 2008.
264. Soong, T.T., Cimellaro G.P., and Reinhorn A. M. (2008), "Integrated Design of Smart Structures" (Invited Paper), *Third International Conference on Smart Materials and Structures*, Sicily, Italy, June 2008.
265. Cimellaro, G. P., Fumo, C., Reinhorn, A. M., and Bruneau, M. (2008). "Organizational Seismic Resilience of Health care facilities" *Proceedings of 60th EERI Annual Meeting 2008*, Astor Crown Plaza Hotel, New Orleans, Louisiana, February 6-9, 2008.
266. Gilani, A. S., Reinhorn A M. and Glasgow, R.B, (2007), "[Earthquake Simulator Testing and Evaluation of Suspended Ceiling System](#)", *Proceedings 12th US-Japan Workshop / ATC-15-11 Seminar* (Invited paper), Kauai, HI
267. Cimellaro G.P., Reinhorn, A.M. and Bruneau M (2007) "MCEER's Vision on the Seismic Resilience of Health Care Facilities", *Proceedings of 12th Congress ANIDIS of Italian Seismic Engineering*, June 10-14, 2007, University of Pisa, Italy,
268. Cimellaro, G. P., Reinhorn, A. M., and Bruneau, M. (2007). "Seismic Resilience of Health Care Facilities: An MCEER vision." *Proceedings of 59th EERI Annual Meeting 2007*, University City Hilton Hotel, Los Angeles, California, February 7-10, 2007.
269. Shao X. and Reinhorn, A.M., (2007), "[A Unified Approach for Real Time Dynamic Hybrid Simulation](#)", *Proceedings of Ninth Canadian Conference on Earthquake Engineering*, 26-29 June 2007, Ottawa, Ontario, Canada
270. Cimellaro G.P., Lavan O, Reinhorn A.M. and Viti S., (2007), "[Optimal Strength Reduction and Enhanced Damping of Inelastic Structures](#)" *10th World Conference on Seismic Isolation, Energy Dissipation and Active Vibrations Control Of Structures*, May 28-31, 2007, Istanbul, Turkey
271. Whittaker A.S., Hough P.A. Reinhorn A.M. and Bachman R.E (2007), "[Interpretation of Seismic Qualification and Fragility Data for Suspended Ceiling Systems](#)", *Proceedings of 2007 ASCE Structures Congress*, May 16-19, 2007, Long Beach CA
272. Schachter, M and Reinhorn A.M., (2007), "[Analytical Modeling of Zipper Frames Subjected to Shaking Table Testing](#)", *Proceedings of 2007 ASCE Structures Congress*, May 16-19, 2007, Long Beach CA
273. Shao, X, and Reinhorn A.M., (2007), "[Real Time Hybrid Dynamic Simulation with Substructure Techniques](#)", *Proceedings of 2007 ASCE Structures Congress*, May 16-19, 2007, Long Beach CA
274. Bruneau, M. and Reinhorn (2006) "[Exploring the Concept of Seismic Resilience for Acute Care Facilities](#)", *Proceedings of First European Conference on Earthquake Engineering and Seismology (1st ECEES)*, September 3-8, 2006, Geneva, Switzerland, Paper #29
275. Mosquesda, G., G., Retamales, R., Filiatrault, A., and Reinhorn, A. (2006), "[Experimental Evaluation Study of Nonstructural Components Under Full-Scale Floor Motions,](#)" *4th International Conference on Earthquake Engineering*, Taipei, Taiwan, 8 p.
276. Cimellaro, G.P. and Reinhorn A.M.(2006), "[Sensitivity Study of Weakened Structures with Supplemental Dampers](#)", *Proceedings of Fourth World Conference on Structural Control and Monitoring*, July 21-22, 2006, San Diego, CA, Paper #79
277. Shao, X., Reinhorn A.M., and Sivaselvan M (2006), "[Force Controlled Actuators in Hybrid Testing](#)", *Proceedings of Fourth World Conference on Structural Control and Monitoring*, July 21-22, 2006, San Diego, CA
278. Bruneau M. and Reinhorn, A.M. (2006), "[Overview of the Resilience Concept](#)", *Proceedings of the 8th U.S. National Conference on Earthquake Engineering (8NCEE)*, San Francisco, April 2006, Paper #1629
279. Cimellaro G. P., Reinhorn A. M. and Bruneau M. (2006), "[Quantification of Seismic Resilience](#)", *Proceedings of the 8th U.S. National Conference on Earthquake Engineering (8NCEE)*, San Francisco, April 2006, Paper #1094
280. Kong D, Schiff A, Reinhorn A.M. and Filiatrault A.R.(2006), "[Seismic Performance of Porcelain Station Post Insulators](#)", *Proceedings of the 8th U.S. National Conference on Earthquake Engineering (8NCEE)*, San Francisco, April 2006, Paper #1616
281. Mosqueda G, Retamales R, Filiatrault A.R. and Reinhorn, A. M. (2006), "[Experimental Study on the Seismic Behavior of Nonstructural Components Subjected to Full-Scale Floor Motions](#)", *Proceedings of the 8th U.S. National Conference on Earthquake Engineering (8NCEE)*, San Francisco, April 2006, Paper #1359

282. Roh, H. S. and Reinhorn A. M (2006), "[Nonlinear behavior of rocking beam-columns with confined ends](#)" *Proceedings of the 8th U.S. National Conference on Earthquake Engineering (8NCEE)*, San Francisco, April 2006, Paper #1627
283. Schachter, M and Reinhorn A.M. (2006), "[On the Importance of 3D Analysis for Zipper Frames Structures](#)", *Proceedings of the 8th U.S. National Conference on Earthquake Engineering (8NCEE)*, San Francisco, April 2006, Paper #1621
284. Shao, X., Andrei Reinhorn A.M., and Sivaselvan M (2006), "[Real Time Dynamic Hybrid Testing Using Force-Based Substructuring](#)", *Proceedings of the 8th U.S. National Conference on Earthquake Engineering (8NCEE)*, San Francisco, April 2006, Paper #1108
285. Cimellaro, G.P., Reinhorn A.M And Bruneau M. (2005), "[Seismic Resilience of a Health Care Facility](#)", *Proceedings, 2005 Asian-Pacific Network of Centers for Earthquake Engineering Research (ANCER) Annual Meeting*, paper N3-Session III, November 10-13, 2005, Jeju, Korea
286. Mosqueda, G., Retamales, R., Filiatrault, F., and Reinhorn, A.M. (2005), "[Seismic behavior of nonstructural partition walls subjected to full-scale floor motions](#)", *Proceedings, 2005 Asian-Pacific Network of Centers for Earthquake Engineering Research (ANCER) Annual Meeting*, November 10-13, 2005, Jeju, Korea.
287. Reinhorn A.M., Kusumastuti, D.K., and Rutenberg A. (2005) "[Seismic Response of Irregular Frame Structures near Collapse: Experimental and Analytical Investigation](#)", *Proceedings of Fourth European Workshop on Irregular and Complex Structures*, Thessaloniki, Greece, August 27-28, 2005
288. Reinhorn, A., Sivaselvan, M.V., Liang, Z., Shao, X., Pitman, M., and Weinreber, S. (2005), "[Large Scale Real Time Dynamic Hybrid Testing Technique – Shake Tables Substructure Testing](#)", *Proceedings of The First International Conference on Advances in Experimental Structural Engineering*, AESE 2005 July, Nagoya, Japan, 457-464.
289. Mosqueda G., Stojadinovic B., Hanley J., Sivaselvan, M.V and Reinhorn A.M., (2005), "[Fast Hybrid Simulation With Geographically Distributed Substructures](#)", *Proceedings of The First International Conference on Advances in Experimental Structural Engineering*, AESE 2005 July, Nagoya, Japan, 449-456.
290. Reinhorn A.M., Viti, Stefania and Cimellaro, GianPaolo (2005), "[Retrofit of structures: Strength reduction with damping enhancement](#)", *Proceedings of The 37th Technical Panel Meeting on Wind and Seismic Effects*, UJNR 2005, May 16-21, Tsukuba, Japan.
291. Filiatrault, A.R, Aref A, Bruneau, M., Constantinou M.C., Lee G.C., Mosqueda G, Reinhorn, A.M., Whittaker, A.S., (2005), "[MCEER's Research on the Seismic Response Modification of Structural and Non-Structural Systems and Components in Hospitals](#)", ATC-Japan Workshop,
292. Filiatrault, A., Aref, A., Bruneau, M., Constantinou, M., Lee, G., Reinhorn, A., Whittaker (2004), A., *Invited Speaker (Bruneau)*, "[MCEER's Integrated Research to Enhance the Seismic Resilience of Acute Care Facilities](#)", International Conference in Commemoration of 5th Anniversary of the 1999 Chi-Chi Taiwan Earthquake, Taipei, September 2004 - on CD-ROM - also presented/published in Structural Engineers Association of California 2004 Convention, Monterey, California, August 2004, pp.73-81
293. Bruneau M, Chang S E., Eguchi R T, Lee G.C., O'Rourke T.D., Reinhorn A M., Shinozuka M, Tierney K, Wallace W.A., VonWinterfeldt D. (2004), "[A Framework To Quantitatively Assess And Enhance The Seismic Resilience of Communities](#)", *Proceedings of the 13th World Conference on Earthquake Engineering (13WCEE)*, Vancouver, CA, July 2004
294. Karakaplan, A, Sivaselvan, M., and Reinhorn, A., (2004) "[A User-Friendly Environment for Nonlinear-Structural Analysis](#)", *Proceedings of the 13th World Conference on Earthquake Engineering (13WCEE)*, Vancouver, CA, July 2004
295. Sivaselvan, M and Reinhorn, A. (2004), "Lagrangian Approach to Structural Collapse Simulation", *Proceedings of the 13th World Conference on Earthquake Engineering (13WCEE)*, Vancouver, CA, July 2004
296. Reinhorn, A., Sivaselvan, M.V., Liang, Z and Shao, X., (2004) "Real-Time Dynamic Hybrid Testing of Structural Systems", *Proceedings of the 13th World Conference on Earthquake Engineering (13WCEE)*, Vancouver, CA, July 2004
297. Bruneau, M., Reinhorn, A., Constantinou, M., Whittaker, A., Thevanayagam, S., (2004) "[The UB-NEES Versatile High Performance Testing Facility](#)", 13th World Conference on Earthquake Engineering, Vancouver, Canada, August 2004 - CD-ROM paper #1577.
298. Reinhorn, A. M. Sivaselvan, M.V, Liang Z, and Shao X. (2004), "[Real-time Dynamic Hybrid Testing of Structural Systems](#)", *Proceedings of Workshop on "Performance-Based Seismic Design (PBSD) -- Concepts and Implementation"*, Bled Slovenia, June 28-July 1
299. Bruneau M. and Reinhorn, A. M. (2004), "[Seismic Resilience of Communities – Conceptualization and Operationalization](#)", *Proceedings of Workshop on "Performance-Based Seismic Design (PBSD) -- Concepts and Implementation"*, Bled Slovenia, June 28-July 1

300. Reinhorn, A. M. Sivaselvan, M.V, Weinreber S. and Shao X. (2004), "[Real-Time Dynamic Hybrid Testing of Structural Systems](#)", *Proceedings of Third European Conference on Structural Control (3ECSC)*, Vienna University of Technology, Vienna, Austria, July 12-15
301. Reinhorn, A. M. Sivaselvan, M.V, Weinreber S. and Shao X. (2004), "[A Novel Approach to Dynamic Force Control](#)", *Proceedings of Third European Conference on Structural Control (3ECSC)*, Vienna University of Technology, Vienna, Austria, July 12-15, 2004
302. Bruneau, M., Reinhorn, A., Whittaker, A., Constantinou, M., Thevanayagam, S., Sivaselvan, M., Shao, X., Hanley, J., Pitman, M.C., Albrechcinski, T., (2004), *Invited paper*, "The new UB-NEES Versatile Earthquake Engineering Facility for Real-Time Dynamic Hybrid Testing (RTDHT)", *ASCE 17th Engineering Mechanics Conference*, Delaware, June 2004.
303. Filiatrault, A., Lee, G., Aref, A., Bruneau, M., Constantinou, M.C., Reinhorn, A., Whittaker, A., (2004), "[Recent Progress Towards the Seismic Control of Structural and Non-structural Systems in Hospitals](#)", *Proceedings of US-Japan 36th Technical Meeting of Panel on Wind and Seismic Effects*, Washington, D.C., May 2004.
304. Bruneau, M., Reinhorn, A., Whittaker, A., Constantinou, M., Thevanayagam, S., Sivaselvan, M., Shao, X., Hanley, J., Pitman, M.C., Albrechcinski, T., (2004) *Invited Speaker*, "The new UB-NEES Versatile Earthquake Engineering Hybrid Testing Facility", *Proceedings of the ASCE Seminar on Performance Based Earthquake Engineering - Seismic Retrofit of Structures*, Brooklyn, New York, March 2004, pp.81-88
305. Bruneau, M., Reinhorn, A., Whittaker, A., Constantinou, M., Thevanayagam, S., Sivaselvan, M., Shao, X., Hanley, J., Pitman, M.C., Albrechcinski, T., *Invited Speaker*, "The New UB-NEES Versatile Earthquake Engineering Hybrid Testing Facility", *Proceedings of Joint NCREE/JRC Workshop on International Collaboration on Earthquake Disaster Mitigation Research*, Taipei, Taiwan, Nov. 2003, on CD-ROM.
306. Whittaker, A., Bruneau, M., Reinhorn, A., Constantinou, M., Thevanayagam, S., Pitman, M., Sivaselvan, V., Liang, Z., Winter, K. (2003), "Real-Time Dynamic Hybrid Testing", *NCREE/JRC Workshop on International Collaboration on Earthquake Disaster Mitigation Research*, Taipei, Taiwan, May 7-9 2003.
307. Reinhorn, A. M, Barron-Corverra, R., and Viti, S. (2003), "Global Spectral Evaluation of Seismic Fragility of Structures" *ATC-58 – Seminar and Workshop – San Francisco*, April 2003
308. Badillo, H., Whittaker, A.S., and Reinhorn, A.M. (2003), "Performance Characterization of Suspended Ceiling Systems," *Proceedings*, ATC-29-2 Seminar on the Seismic Design, Performance and Retrofit of Nonstructural Components in Critical Facilities, Irvine, CA, October 2003
309. Reinhorn, A.M., Bruneau, M., Chu, S.Y., Shao, Y. and Pitman, M. (2003), "[Large Scale Real Time Dynamic Hybrid Testing Technique– Shake Tables Substructure Testing](#)", *Proceedings of ASCE Structures Congress*, Seattle WA, May, 2003., Paper 587
310. Reinhorn, A.M., Viti, S., and Whittaker, A.S. (2002), "[Retrofit of structures: strength reduction with damping enhancement](#)," *Proceedings*, KEERC-MCEER Joint Seminar on Contributions to Earthquake Engineering, Multi-disciplinary Center for Earthquake Engineering Research, Buffalo, New York, July 2002.
311. Bruneau, M., Reinhorn, A.M., Constantinou, M.C., Thevanayagam, S., Whittaker, A.S., Chu, S.Y., Pitman, M. and Winter, K. (2002), "[The University at Buffalo Node of The NEES Network - A Versatile High Performance Testing Facility Towards Real-Time Dynamic Hybrid Testing](#)", *Proceedings of the 12th European Conference on Earthquake Engineering (12ECE)*. (Paper Reference No.823)
312. Reinhorn, A. M., Barron-Corverra, R. and Ayala, A.G. (2002), "[Global Spectral Evaluation of Seismic Fragility of Structures](#)", *Proceedings of the 7th U.S. National Conference on Earthquake Engineering (7NCEE)*, (Paper Reference 731-ST-6c)
313. Sivaselvan, M. V. and Reinhorn, A.M. (2002), "[Collapse Analysis of Planar Frames](#)", *Proceedings of the 7th U.S. National Conference on Earthquake Engineering (7NCEE)*, (Paper Reference 711-ST-3a)
314. Reinhorn, A.M., Bruneau, M., Whittaker, A.S., Constantinou, M.C., Thevanayagam, S., Chu, S.Y., Pitman, M. and Winter, K. (2002), "[A Versatile High Performance Testing Facility Towards Real-Time Dynamic Hybrid Testing](#)", *Proceedings of the 7th U.S. National Conference on Earthquake Engineering (7NCEE)*, (Paper Reference S-17/NS-1d)
315. Reinhorn, A.M., Ribakov, Y. and Chu, S.C. (2002), "Design of Amplified Structural Damping Using Optimal Considerations", *ATC-17-2 Seminar on Response Modification Technologies for Performance-Based Seismic Design, Los Angeles*, May 30-31
316. Reinhorn A.M. (2002), *Invited Key Note Lecture* - "Modern Methods of Seismic Protection - Base Isolations and More..." *Eighth Chilean Conference on Seismology and Earthquake Engineering*, April 26-28
317. Bruneau, M., Reinhorn, A.M., Constantinou, M.C., Theva, S., Thevanayagam, Whittaker, A.S., Chu, S.C., Pitman, M., Winter, K. (2002), "[Versatile Shake Tables and Large-Scale High-Performance Testing Facility Towards Real-Time Hybrid Seismic Testing](#)", *Proceedings of ASCE Structures Congress*, Denver April, 2002,

318. Chu., S.Y., Reinhorn, A.M., and Soong, T.T. (2002), "[Issues in Implementation of Active Structural Control Systems: A Case Study](#)", *Proceedings of the Third World Conference on Structural Control*, Como, Italy
319. Chu., S.Y., Soong, T.T. and Reinhorn, A.M (2002), "[Control Performance Verification by Using a Real-Time Structural Simulator](#)", *Proceedings of the Third World Conference on Structural Control*, Como, Italy
320. Reinhorn, A.M, Barron-Corverra, R and Ayala, A.G. (2001), "[Spectral Evaluation of Seismic Fragility of Structures](#)", *Proceedings ICOSSAR 2001*, Newport Beach CA, June 2001
321. Reinhorn, A.M. (2000), "[Advanced Technologies for Critical Facilities - Hospitals - Structural Control Examples](#)", *MCEER / MEDAT-2 Workshop*, Las Vegas, Nov.30-Dec.1, 2000.
322. Reinhorn, A.M., Gluck, N., Gluck, J., & Levy, R. (2000), "[Optimal Design of Dampers and Stiffeners In Structures Using Active Control Approaches](#)", *Proceedings of the Third European Conference on Structural Control*, Paris, France
323. Chu, S. Y., Soong, T.T. and Reinhorn A.M. (2000), "Integration Issues in Implementation of Active Control Systems", Third European Conference on Structural Control, July, Paris, 2000 - CD-ROM
324. Naeim F, Skliros K, and Reinhorn, A. (2000), "[Influence of Hysteretic Deteriorations on Seismic Response of Multistory Steel Frame Buildings](#)" Structures 2000, ASCE/Structures Congress, 103-107
325. Naeim F., Reinhorn A.M. and Skileros K. (2000), "Influence of Hysteretic Deterioration on Seismic Response of Multistory Steel Frame Buildings", STESA 2000 Conference, Montreal, June, 2000
326. Naeim F., Reinhorn A.M. and Skileros K. (2000), "[Influence of Hysteretic Deterioration on Seismic Response of Multistory Steel Frame Buildings](#)", *Proceedings of Twelve World Conference on Earthquake Engineering*, Auckland, New Zealand, Jan 30-Feb.6, 2000.
327. Reinhorn, A.M, Simeonov, V.K. and Sivaselvan, M.V. (2000), "[Nonlinear Analysis of Frame Systems by the State-Space Approach](#)", *Proceedings of Twelve World Conference on Earthquake Engineering*, Auckland, New Zealand, Jan 30-Feb.6, 2000.
328. Simeonov, V.K., Sivaselvan, M.V. and Reinhorn, A.M. (1999), "Nonlinear Analysis of Structural Frame Systems by the State-Space Approach", *Proceedings of European Conference on Computational Mechanics 99*, Munich, Germany, 1-3 September 1999.
329. Reinhorn A.M. and Barron R. (1999), "Spectral Evaluation of Fragility of Structures", *Proceedings of First Romanian-American Workshop in Structural Engineering*, *Proceedings of 1st Romanian American Workshop in Structural Engineering*, A.I.Cuza University of Iasi Publishing House, June 25-30, 1999, Iasi, Romania.
330. Naeim F., Reinhorn A.M. and Skliros K., (1999), "Influence of Hysteretic Deterioration on Seismic Response of Multistory Steel Frame Buildings", *Proceedings of Los Angeles Tall Building Annual Conference*, May 1999
331. Ahmad, S. and Reinhorn, A.M. (1999), "A New Approach to Civil Engineering Education at SUNY-Buffalo", ASEE Spring Conference, April 1999.
332. Reinhorn, A.M., Simeonov, V, Derue, G. and Constantinou, M.C., (1998), "Sensitivity of Inelastic Seismic Response of Base Isolated Bridges," US-ITALY Workshop on Protective Systems for Bridges (Invited Paper), New York, April 26-28, 1998.
333. Riley, M.A., Cao, H., Reinhorn, A.M., and Soong, T.T. (1998), "Design of an Active Mass Damper for a 340m Transmission and Observation Tower", *Second World Congress on Structural Control*, June, 27-30, Kyoto, 1998.
334. Reinhorn, A.M., Soong, T.T., and Cao, H. (1998), "Design of an Active Mass Damper for a Tall TV Tower" *ASCE/ Structures World Congress*, July 20-25, San Francisco, 1998
335. Nagarajaiah, S, Reinhorn, A.M. and Constantinou, M.C. (1998), "Nonlinear Dynamic Analysis of base Isolated Structures-Current Techniques," *ASCE/ Structures World Congress*, July 20-25, San Francisco, 1998.
336. Reinhorn, A.M., Gluck, N., Gluck, J., & Levy, R. (1998), "[Optimal Design of Supplemental Dampers for Control of Structures](#)", Eleventh European Conference on Earthquake Engineering, Sept, 12-14, Paris, 1998 - CD-ROM
337. Sivaselvan, M., Skliros, K. and Reinhorn A.M. (1998), "Multilinear and Smooth Hysteretic Models for Degrading Structures", *Proc. of International Symposium on Impact and Friction of Solids, Structures and Intelligent Machines: Theory and Applications in Engineering and Science*, June 27-30, Ottawa, 1998
338. Riley, M., Cao, H., Reinhorn, A.M., and Soong, T.T. (1997), "Design of an Active Mass damper for a 340m Transmission Tower", in *8th US National Conference on Wind Engineering*, Baltimore, June 1997
339. Kasalanati, A., Reinhorn, A.M., Constantinou, M. and Sanders, D., (1997), "[Experimental Study of Ball-In-Cone Isolation System.](#)" in *Proceedings of ASCE / Structures Congress*, Portland OR, April 1997, pp 1191-1195
340. Kasalanti, A., Sanders, D., Reinhorn, A.M., Constantinou, M. (1996), "[Experimental Study of Ball-In-Cone Isolation System.](#)" in *Proceedings of 12th US-Japan Bridge Engineering Workshop*, (UJNR - Panel on Wind and Seismic Effects), Buffalo, NY, October 1996, Sect. 6(4).

341. Grigoriu, M., Soong, T.T. and Reinhorn, A.M. (1996), "Time Delay Linear Systems with Gaussian White Noise Input," Proceedings of 7th ASCE Specialty Conference on Probabilistic Mechanics and Structural Reliability, August 7-9, 1996, Worcester, MA.
342. Valles-Mattox R.E. and Reinhorn, A. M. (1996), "[An energy approach to pounding of structures.](#)" Eleventh World Conference on Earthquake Engineering (11WCEE), Acapulco, Mexico, June 23-24, 1996, Paper #2106, 1407.
343. Kunnath S K, Valles-Mattox R E. and Reinhorn A M. (1996), "[Evaluation of seismic damageability of typical R/C Building in Midwest United States.](#)" Eleventh World Conference on Earthquake Engineering (11WCEE), Acapulco, Mexico, June 23-24, 1996, Paper #1300, 1079.
344. Reinhorn, A.M. and Li, Chen (1996), "[Retrofit of concrete structures using supplemental damping devices.](#)" Eleventh World Conference on Earthquake Engineering (11WCEE), Acapulco, Mexico, June 23-24, 1996, Paper #78, 848.
345. Valles-Mattox R. E. and Reinhorn A. M. (1996), "[Evaluation, prevention and mitigation of pounding effects in building structures.](#)" Eleventh World Conference on Earthquake Engineering (11WCEE), Acapulco, Mexico, June 23-24, 1996. Paper #26, 586.
346. Bracci J.M. and Reinhorn, A.M. (1996), "Shaking Table Testing of a 1:3 Scale R/C Frame Model," Proceedings of Third European Conference on Structural Dynamics, Firenze, Italy, June 7-8, 1996, 893-897.
347. Reinhorn, A.M. (1996), "[Introduction to Dynamic and Static Inelastic Analysis Techniques](#)" Proceedings of Annual Meeting - Los Angeles Tall Buildings Structural Design Council, May 10, 1996, (Keynote Speaker)
348. Reinhorn, A.M., and Li, C. (1995), "Retrofit of R/C Structures with Supplemental Damping," Proceedings *3rd Turkish Conference in Earthquake Engineering*, Istanbul, Turkey, March 1995, 556-566. (invited paper)
349. Yang, J.N., Wu, J.C., Reinhorn, A.M., Riley, M.A., Schmitendorf, W.E., and Jabbari, F. (1994), "Experimental Verification of H_{∞} and Sliding Mode Control for Seismic Excited Buildings," *Proceedings of the First World Conference on Structural Control*, Angeles, California, Vol. 2, August 1994 , TP4: 63-72.
350. Reinhorn, A.M., and Riley, M.A. (1994), "Control of Bridge Vibrations with Hybrid Devices," *Proceedings of the First World Conference on Structural Control*, Los Angeles, California, Vol. 2, August 1994 TA2: 50-59.
351. Deluca, A., Reinhorn, A.M., Faella, G., Mele, E., and Ramasco, R. (1994), "Design Level and Damage in Base Isolated Steel Structures," *Proceedings of Tenth European Conference in Earthquake Engineering*, Balkema Publishers, Wiena, Austria, Sept. 1994, pp2xxx-2xxx
352. Soong, T.T, Reinhorn, A.M., Aizawa, S. and Higashino, M. (1994), "[Recent Structural Applications of Active Control Technology.](#)" *Proceedings of Tenth European Conference in Earthquake Engineering*, Balkema Publishers, Wiena, Austria, Sept. 1994, 2801-2806.
353. Panahshahi, N., Reinhorn, A.M., and Kunnath, S., (1994), "Earthquake Simulation Study of One-Six Scale Model R/C Building with Flexible Floor Diaphragms," *Proceedings of the 5th U.S. National Conference on Earthquake Engineering*, Chicago, Illinois, July 1994, Vol. 2, 641-650.
354. Lobo, R., Reinhorn, A.M., and Kunnath, S. (1994), "Inelastic Response of 3D R/C Structures to Multidimensional Seismic Input," *Proceedings of the 5th U.S. National Conference on Earthquake Engineering*, Chicago, Illinois, July 1994, Vol. 1, 65-74.
355. Subramaniam, R., Reinhorn, A.M., Nagarajaiah, S. and Riley, M.A. (1994), "Fuzzy Sets Applications to Active Control of Structures," *Proceedings of the 5th U.S. National Conference on Earthquake Engineering*, Chicago, Illinois, July 1994, Vol. 1, 991-1000.
356. Riley, M.A., Reinhorn, A.M., Nagarajaiah, S., and Subramaniam, R. (1994), "Control Algorithms for Structures with Hybrid Isolation Systems," *Proceedings of the 5th U.S. National Conference on Earthquake Engineering*, Chicago, Illinois, July 1994 Vol. 1, 981-990.
357. Nagarajaiah, S. and Reinhorn, A.M. (1994), "[Applicability of Pseudoforce Method to Highly Nonlinear Dynamic Problems](#)", in *Analysis and Computations - Proceedings of the 11th Analysis and Computation Conference at the ASCE/Structures Congress 1994*, (F.Y.Chen Ed), Atlanta, May 1994, 165-172.
358. Soong, T.T., and Reinhorn, A.M. (1993), "Recent Structural Applications of Active Control Technology," *Proceedings 62nd SEAOC Convention*, Scottsdale, AZ, September 1993.
359. Subramaniam, R., Riley, M.A., Nagarajaiah, S., and Reinhorn, A.M. (1993), "Hybrid Control of Building Structures," 9th Symposium on Dynamics and Control of Large Structures: 93, VPI & SU, Blacksburg, VA, May 1993.
360. Subramaniam, R., Reinhorn, A.M., and Nagarajaiah, S. (1993), "Hybrid Control Using Fuzzy Set Theory," *Proceedings of Second Conference on Recent Advances in Active Control of Sound and Vibration*, VPI & SU, Blacksburg, VA, April 1993
361. Reinhorn, A.M., Bracci, J.M., and Mander, J.B. (1993), "Seismic Retrofit of Gravity Load Designed Reinforced Concrete Buildings," Proceedings of the 1993 US National Conference Earthquake, Memphis, May 1993, 245-254.

362. Riley, M.A., Nagarajaiah, S., and Reinhorn, A.M. (1993), "Hybrid Isolation Systems For Sensitive Equipment and Secondary Systems." Proceedings of the 1993 U.S. National Earthquake Conference, Memphis, TN, May 1993, 327-336.
363. Subramaniam, R.S., Reinhorn, A.M. and Nagarajaiah, S. (1993), "[Application of Fuzzy Set Theory to the Active Control of Base-Isolated Structures.](#)" Proceedings of the Second IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 1993), San Francisco, Mar28-Apr 1, 1993, (2), 871-876. (Cat. No.93CH3136-9)
364. Soong, T.T., and Reinhorn, A.M. (1993), "Case Studies on Active Control and Implementational Issues," Proceedings ATC-17-1 Seminar on Seismic Isolation Passive Energy Dissipation, and Active Control, San Francisco, California, March 11-12, 1993, Vol. 2, 701-714.
365. Reinhorn, A.M., Nagarajaiah, S., Riley, M.A., and Subramaniam, R., (1992), "Hybrid Control of Sliding Isolated Bridges," Proceedings of the Second U.S./Japan, Workshop on Bridge Research, Tokyo, 1992.
366. Riley, M.A., Nagarajaiah, S. and Reinhorn, A.M. (1992), "Hybrid Control of Absolute Motion of Aseismically Isolated Bridges," Proceedings of the Third Workshop on Bridge Engineering Research in Progress, University of California, San Diego, November 1992, 239-242.
367. Nagarajaiah, S., Feng, Q., Shinozuka, M. and Reinhorn, A.M. (1992), "Analysis of Bridges with Friction Controllable Sliding Isolation Systems." Proceedings Third NSF Workshop on Bridge Engineering Research in Progress, University of California, San Diego, November 1992, 243-246.
368. Reinhorn, A.M., and Soong, T.T. (1992), "Full Scale Implementation of Active Control Braces For Structural Control," Proceeding US/China/Japan Trilateral Workshop on Structural Control, Shanghai, China, October 1992, 141-150.
369. Subramaniam, R.S., Reinhorn, A.M., and Nagarajaiah, S. (1992), "Application of Fuzzy Set Theory to the Active Control of Base Isolated Structures", Proceedings of US/China/Japan Trilateral Workshop on Structural Control, Shanghai, China, October 1992, 293-300.
370. Mander, J.B., Bracci, J.M., Reinhorn, A.M. (1992), "Seismic Retrofitting of Reinforced Concrete Frames Using Masonry," Presented at the 3rd International Masonry Conference, London, October 1992, (published also in British Masonry Journal), Vol. 5, 1992.
371. Y.P. Wang, Reinhorn, A.M., T.T. Soong (1992), "Development of Design Spectra For Actively Controlled Structures," Proceedings U.S.-Italy-Japan Workshop on Structural Control and Intelligent Systems, Sorrento, Italy, 219-231, July 13-15, 1992.
372. Soong, T.T., Reinhorn, A.M., Wang, Y.P. Lin, R.C., and Riley, M.A. (1992), "Full-Scale Implementation of Active Structural Control", Proceedings of the Tenth World Conference on Earthquake Engineering, Madrid, Spain, 2131-2136, July 1992.
373. Reinhorn, A.M., Soong, T.T. (1992), "Full Scale Application of Active Bracing Systems", Proceedings of the ASCE Engineering Mechanics Division Specialty Conference, College Station, Texas, 1992.
374. Reinhorn, A.M., Soong, T.T., and Riley, M.A. (1992), "Full-Scale Implementation of Active Control in Structures," Proceedings of the IASS-CSCE Innovative Large Span Structures Congress, Toronto, Canada, pp. xx-xx, 1992.
375. Nagarajaiah, S., Riley, M., Reinhorn, A.M., and Shinozuka, M. (1992), "Hybrid Control of Sliding Isolated Bridges". Sixth Symposium Seismic, Shock and Vibration Isolation," Proceedings of 1992 Pressure Vessels and Piping Conf., ASME/PVP 237-2, 83New Orleans, June 1992, 83-89.
376. Nagarajaiah, S., Reinhorn, A.M. (1992), "Pseudo-force Method of Solution for Highly Nonlinear Systems," Proceedings Eight Conference on Computing and Civil Engineering, ASCE, Dallas, Texas, 913-268, June 1992.
377. Lobo, R.F., Kunnath, S.K., Reinhorn, A.M. (1992), "3-D Inelastic Dynamic Analysis of RC Structures," Proceedings 8th National Conference on Computing in Civil Engineering, Dallas, Texas, 905-912, June 1992.
378. Reinhorn, A.M. "Damage Control in Seismic Design of Structures," (1992), ASCE/Tenth Structures Congress, San Antonio, Texas, 930-934, April 1992.
379. Reinhorn, A.M., Valles, R. and Kunnath, S. (1992), "Analytical Investigation of Cypress Viaduct Failure During Loma Prieta Earthquake," Annual Convention of the Earthquake Engineering Research Institute, February 1992.
380. Reinhorn, A.M., Valles, R. and Kunnath, S. (1991), "Rapid Evaluation of Multistory Building Drift Under Lateral Loads," Proceedings of the 9th World Conference on Microcomputers in Civil Engineering, 120-124, 1991.
381. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C. (1991), "Lateral-Torsional Response of Sliding Isolated Structures", Proceedings Pacific Conference on Earthquake Engineering, Auckland, New Zealand, 257-268, November 1991.

382. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C. (1991), "Lateral-Rocking Response of Slender Sliding Base Isolated Structures," Abstract 28th Annual Technical Meeting of the Society of Engineering Science, Gainesville, Florida, November 1991.
383. Constantinou, M.C., Reinhorn, A.M., Kartoum, A., And Watson, R. (1991), "Teflon Disc Bearing and Displacement Control Device Isolation System For Upgrading Seismically Vulnerable Bridges," Proceedings 3rd World Congress on Joints and Bearings, Toronto, Canada, Vol. 2, pp. xx-xx, October 1991. Awarded Best Paper Award
384. Reinhorn, A.M., Soong, T.T, Shinozuka, M. (1991), "Full-scale Structural Applications of Active Control Systems", Proceedings 23rd UJNR Joint Panel Meeting, NIST SP820, 159-168, Tsukuba, Japan, 1991
385. Reinhorn, A.M., Soong, T.T, Rodellar, J. (1991), "Input-output Discrete Time Control of Structures", Abstract ASCE EMD Specialty Conference, Columbus, OH, 1991
386. Reinhorn, A.M., Soong, T.T. (1991), "Full-Scale Implementation of Active Structural Control", Abstract ASCE Structures Congress, Indianapolis, IN, 1991.
387. Reinhorn, A.M., Soong, T.T. (1991), "Reliability Issues in Implementation of Active Control, Abstract ASCE Structures Congress, Indianapolis, IN, 1991.
388. Reinhorn, A.M., Soong, T.T. (1991), "Design and Maintenance of Actively Controlled Structures", Abstract ASCE Structures Congress, Indianapolis, IN, 1991.
389. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C. (1991), "Uplift Restraint for Sliding Base Isolated Structures", Proceedings Third World Congress on Joints and Bearings, Toronto, Ontario, October, Vol. 2, 1173-1185, October 1991.
390. Constantinou, M.C., Reinhorn, A.M., and Watson, R. (1990), "Combined Teflon Disk Bearing and Displacement Control Device Isolation System for Bridges", Proceedings Second Workshop on Bridge Engineering Research in Progress, University of Nevada, Reno, 225-228, October 1990.
391. Kunnath, S.K., Mander, J.B. and Reinhorn, A.M. (1990), "Seismic Response and Damageability of Gravity Load (Non-Seismic) Designed Buildings", Proceedings Ninth European Conference on Earthquake Engineering, Vol. 9, Moscow, USSR, 323-332, October 1990.
392. Reinhorn, A.M. and Soong, T.T. (1990), "Full Scale Implementation of Active Bracing For Seismic Control of Structures", U.S. National Workshop on Active Control, Los Angeles, CA, 201-208, October 1990.
393. Reinhorn, A.M., Soong, T.T. (1992), "Full-Scale Implementation of Active Structural Control in "Intelligent Structures", "Y.K. Wen (Ed.), Elsevier, London and NY, 252-263, 1992.
394. Andrade, R.A., Rodellar, J., Lopez, F.A., Reinhorn, A.M. and Soong, T.T. (1990), "Efficiency Global Assessment of Predictive Control of Structures", U.S. National Workshop on Active Control, Los Angeles, CA, 90-94, 1990.
395. Reinhorn, A.M., Soong, T.T., Fukao, Y. and Hayamizu, Y. (1990), "The Development of Tendon Systems and Mass Dampers for Active Structural Control", Abstracts of 8th ASCE/Structures Congress, Baltimore, Maryland, May 1990.
396. Fukao, Y., Nakai, M., Abe, H., Haniuda, N., Reinhorn, A.M., Soong, T.T. (1990), "Experiments of Active Mass Damper Control Under Seismic Loads", Abstracts of 8th ASCE/Structures Congress, Baltimore, Maryland, May 1990.
397. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C. (1990), "Analytical Modeling of Three-Dimensional Behavior of Base Isolation Devices", Proceedings Fourth U.S. National Conference on Earthquake Engineering, Palm Springs, California, Vol.3, 579-588, May 1990.
398. Kunnath, S.K. and Reinhorn, A.M. (1990), "Inelastic Response of R/C Beam-Columns Under Biaxial Excitations", Proceedings Fourth U.S. National Conference on Earthquake Engineering, Palm Springs, California, May 1990, Vol.2, 471-479.
399. Panahshahi, N., Kunnath, S.K. and Reinhorn, A.M. (1990), "Inelastic Modeling of R/C Buildings with Flexible Floors", *Proceedings Fourth U. S. National Conference on Earthquake Engineering*, Palm Springs, CA, Vol.2, 369-378, May 1990.
400. Reinhorn, A.M., Mander, J.B., Bracci, J.M. and Kunnath, S.K. (1990), "A Post-Earthquake Damage Evaluation Strategy For R/C Buildings", *Proceedings Fourth U.S. National Conference on Earthquake Engineering*, Palm Springs, California, Vol.2, 1047-1056, May 1990.
401. Reinhorn, A.M., Mander, J.B. and Kunnath, S.K. (1990), "Damage Based Design and Evaluation of Structural Systems - Future Approach", Invited Keynote Presentation, *Proceedings of (Israeli) Annual Symposium on Earthquake Engineering*, Ramat Gan, Israel, 3-11, May 1990.
402. Lin, C.C., Soong, T.T, Reinhorn, A.M., Lai, M.L., Park, S.Y., Naidu, H., Soom, A., Lee, Y.H., Demjanenko, V., Benenson, D. and Wright, S.E. (1989), "Machine Diagnostics by Inverse Filtering Techniques", *Proceedings of the International Machine Monitoring and Diagnostics Conference (IMADC)*, Las Vegas, 155-160, September 1989.

403. Rodellar, J., Lopez-Almansa F., Wang, Y.P., Reinhorn, A.M., and Soong, T.T. (1989), "Experimental Study on Control of Building Structures for Active Cables", *Proceedings of Conference on Modern Practice in Stress and Vibration Analysis*, 89-98, Liverpool, England, April 1989.
404. Kunnath, S.K., Reinhorn, A.M. and Park, Y.J. (1989), "Macro-Modeling of R/C Building Structures for Seismic Damage Analysis", *Proceedings of 2nd East Asia Pacific Conference on Structural Engineering and Construction*, Bangkok, Thailand, Vol. 3, 79-84, January 11-13, 1989.
405. Prawel, S.P., Reinhorn, A.M. and Qazi, S.A. (1988), "Upgrading the Seismic Resistance of Unreinforced Brick Masonry Using Ferrocement Coatings", *Proceedings of 8th International Brick/Block Masonry Conference, Dublin, Ireland*, Vol. 2, 785-791, September 19-21, 1988.
406. Soong, T.T., Reinhorn, A.M. and Yang, J.N. (1988), "[Active Response Control of Building Structures Under Seismic Excitations](#)", *Proceedings of 9th World Conference of Earthquake Engineering*, Tokyo-Kyoto, Japan, Vol. VIII, 453-458, August 1988.
407. Park, Y.J., Reinhorn, A.M. and Kunnath, S.K. (1988), "[Seismic Damage Analysis of Reinforced Concrete Buildings](#)", *Proceedings of 9th World Conference of Earthquake Engineering*, Tokyo-Kyoto, Japan, Vol. VII, 211-216, August 2-9, 1988.
408. Mokha, A., Constantinou, M.C. and Reinhorn, A.M. (1988), "Teflon Bearings in Aseismic Base Isolations - Experimental Studies and Mathematical Modeling", *Proceedings ASME PVP Conference*, Pittsburgh, PA, Vol. 147, 9-13, June 1988.
409. Lai, M.L., Park, S.Y., Lin, C.C., Naidu, A., Soom, A., Reinhorn, A., Lee, Y.H., Soong, T.T., Demjenenko, V., Benenson, D., and Wright, S.E. (1988), "Measurements for Noninvasive Mechanical Diagnostics of Power Circuit Breakers", *Proceedings of Conference of First Society for Electric Power Research and Implementation*, March 1988.
410. McGreevy S., Soong, T.T. and Reinhorn, A. (1988), "An Experimental Study of Time Delay Compensation in Active Structural Control" *Proceedings of 6th International Modal Analysis Conference and Exhibits*, Vol. I, 733-739, Orlando, Florida, Feb. 1988.
411. McGreevy S. (1986), "[Time Delay Compensation in Active Control of Structures](#)" *MS Thesis*, University at Buffalo, SUNY (Co Advisors: T.T. Soong and A.M. Reinhorn)
412. Reinhorn, A., Soong, T.T. and Yang, J.N. (1986), "Active Control of Structures During Earthquakes", *Proceedings of the 8th European Conference on Earthquake Engineering*, Lisbon, Portugal, Vol. 5, 57-64, Sept. 1986.
413. Prawel, S.P., Reinhorn, A., and Kunnath, S.K. (1986), "Seismic Strengthening of Structural Masonry Walls With External Coatings", *Proceedings of the Third U.S. National Conference on Earthquake Engineering*, Charleston, South Carolina, Vol. 2, 1323-1334, August 1986.
414. Park, Y.J. and Reinhorn, A. (1986), "[Earthquake Responses on Multistory Buildings Under Stochastic Biaxial Ground Motions](#)", *Proceedings of the Third U.S. Conference on Earthquake Engineering*, Charleston, South Carolina, Vol. 2, 991-1001, August 1986.
415. Reinhorn, A., Manolis, G.D. and Wen, C.Y. (1986), "Control of Structures by Coupling Rubber Isolators and Active Pulses", *Proceedings of the Third U.S. National Conference on Earthquake Engineering*, Charleston, South Carolina, Vol. 3, 1899-1909, August 24-28, 1986.
416. Chung, L.L., Reinhorn, A., and Soong, T.T. (1986), "Active Control of Buildings Structures During Earthquakes", *Proceedings of the Third U.S. National Conference on Earthquake Engineering*, Charleston, South Carolina, Vol. 3, 1971-1980, August 24-28, 1986.
417. Reinhorn, A., and Kunnath, S.K. (1986), "Use of Spread Sheets for Design of Reinforced Concrete Elements", *Proceedings of the First Canadian Conference in Computer Applications in Civil Engineering/Micro-Computers*, McMaster University, Hamilton, Canada, Vol. I, 16-27, May 21-22, 1986.
418. Reinhorn, A., Soong, T.T., and Manolis, G.D. (1986), "Disaster Prevention of Deep-Water Offshore Structures by Means of Active Control", *Proceedings 5th Int. Symp. on Offshore Mechanics and Arctic Engineering*, Tokyo, Japan, Vol. 1, 39-44, April 13-17, 1986.
419. Reinhorn, A., Manolis, G.D., and Soong, T.T. (1986), "Restructuring of Numerical Algorithms for Active Control of Dynamic Systems", *Proceedings of the Fourth International Symposium on Numerical Methods in Engineering*, Atlanta, Georgia, 541-546, March 24-28, 1986.
420. Prawel, S.P. and Reinhorn, A. (1985), "Seismic Retrofit of Structural Masonry Using Ferrocement Overlay", *Proceedings of Third American Masonry Conference*, University of Texas at Arlington, 59/2 - 59/19, June 3-5, 1985.
421. Reinhorn, A., and Prawel, S.P. (1985), "Ferrocement for Seismic Retrofit of Structures Walls", paper refereed, discussed and included as *Proceedings of Second International Symposium on Ferrocement*, Bangkok, Thailand, 157-172, Jan. 14-16, 1985.

422. Prucz, Z., Soong, T.T. and Reinhorn, A. (1984), "Pulse Control of Deep-Water Offshore Structures", *ASCE/Structures Congress*, May 14-18, Atlanta GA, preprint 84-012.
423. Agai, E., Reinhorn, A. And Lee, G.C. (1983), "Microprocessors as Pre- and Post-Processors in CAD Systems", *Proceedings of the 1st National Conference on Microcomputers in Civil Engineering*, ASCE & University of Central Florida, Orlando, 122 - 125, Nov. 1983.
424. Reinhorn, A., and Prawel, S.P. (1983), "The Use of Ferrocement in a Large Shaking Table", *Proceedings of Colloquium and Session of Commissions IASS and RILEM on Ferrocement*, Moscow, USSR, Oct. 1983.
425. Reinhorn, A., and Prawel, S.P. (1983), "Design of a Composite Shaking Table for Earthquake Simulation", *Proceedings of 8th Conference on Electronic Computation*, ASCE & Univ. of Texas, Houston, Texas, 725 - 736, 21-23 Feb. 21-23, 1983.
426. Prawel, S.P. and Reinhorn, A. (1981), "Properties in Flexure of Under Reinforced Ferrocement Panels in Two-Way bending", *RILEM/Proceedings of International Symposium on Ferrocement*, Bergamo, Italy, 1/101-112, July 22-24, 1981.
427. Pollner, E., Gropper, M., and Reinhorn, A. (1974), "Natural Periods of Vibrations of Buildings with "Open" Ground Floors", *Proceedings of the Symposium on Test and Observations on Models and Structures and their Behavior versus Time*", RILEM, Udine, Italy, Sept., 1974, Paper# 3.

Go to [List of Contents](#)

M(N)CEER REPORTS

428. Reinhorn, A.M., Sivaselvan, M.V., Winkelmann K, and Yuksel, E. (2010), "[IDARC3D Version 3.0 - Three Dimensional Dynamic Analysis of Structures with Protective Systems](#)", *Report MCEER-10-00xx*, MCEER/SUNY/Buffalo (in review)
429. Oikonomou, K. Constantinou, M. C., Reinhorn A.M. and Kempner, L. Jr. (2016), "[Seismic Isolation of High Voltage Electrical Power Transformers](#)", *MCEER Technical Report MCEER-16-0006* University at Buffalo – the State University of New York 714 pages
430. Ryu K.P. and Reinhorn A.M. (2016), "[Real-time Control of Shake Tables for Nonlinear Hysteretic Systems](#)", *MCEER Technical Report MCEER-15-0004* University at Buffalo – the State University of New York 272 pages
431. N. Attari, M. Symans, S. Nagarajaiah, A.M. Reinhorn, M.C. Constantinou, A.A.Sarlis, D.T.R. Pasala, and D.P. Taylor (2013); "[Seismic Protection of Highway Bridges with Negative Stiffness Devices](#)", *MCEER Technical Report MCEER-13-0013* University at Buffalo – the State University of New York 254 pages DOI: 10.13140/RG.2.1.2645.1441
432. A.A. Sarlis, D.T.R. Pasala, M.C. Constantinou, A.M. Reinhorn, S. Nagarajaiah and D.P. Taylor (2013); "[Negative Stiffness Device for Seismic Protection of Structures](#)", *MCEER Technical Report MCEER-13-0005* University at Buffalo – the State University of New York 238 pages
433. D.T.R. Pasala, A.A. Sarlis, S. Nagarajaiah, A.M. Reinhorn, M.C. Constantinou and D.P. Taylor (2013); "[Seismic Response Control of Structures Using a Novel Adaptive Passive Negative Stiffness Device](#)", *Technical Report MCEER-13-0004* University at Buffalo – the State University of New York 172 pages
434. Koliou, M, Filiatrault, A., Reinhorn A.M., and Oliveto N., (2012), [Seismic Protection of Electrical Transformer Bushing Systems by Stiffening Techniques](#), *MCEER Technical Report –MCEER-12-0002*, University at Buffalo – the State University of New York
435. Reinhorn A.M., Oikonomou K., Roh H., Schiff A., Kempner L., (2011), "[Modeling and Seismic Performance Evaluation of High Voltage Transformers and Bushings](#)", *MCEER Technical Report–MCEER-11-0006*, University at Buffalo – the State University of New York DOI: 10.13140/RG.2.1.3431.5768
436. Reinhorn, A.M.(ed), (2011), "[Proceedings of the Workshop on Improving Earthquake Response of Substation Equipment](#)", *MCEER Technical Report–MCEER-11-0003*, University at Buffalo – the State University of New York, DOI: 10.13140/RG.2.1.2383.0001
437. Reinhorn A.M., Filiatrault, A., Muhammad F., Oliveto N., Oikonomou K and Koliou, M, (2011), "[Evaluation of Transformer Bushings: Current and Recommended Practice](#)" *MCEER Task Report–MCEER-TR-11-01*, University at Buffalo – the State University of New York
438. Cimellaro, G.P., Christovasilis I.P., Reinhorn A.M., DeStefano A., and Kirova T., (2010), "[L'Aquila Earthquake of April 6th, 2009 in Italy: Rebuilding a Resilient City to Multiple Hazard](#)", *MCEER Technical Report –MCEER-10-0010*, University at Buffalo – the State University of New York
439. Renschler, C.S., Frazier, A.E., Arendt, L.A. Cimellaro, G.P., Reinhorn, A.M., and Bruneau, M. (2010). "[Framework for Defining and Measuring Resilience at the Community Scale: The PEOPLES Resilience Framework](#)", *MCEER Technical Report–MCEER-10-0006*, University at Buffalo – the State University of New York

440. Renschler, C.S., Frazier, A.E., Arendt, L.A. Cimellaro, G.P., Reinhorn, A.M., and Bruneau, M. (2010). "[Framework for Defining and Measuring Resilience at the Community Scale: The PEOPLES Resilience Framework](#)", *Technical Report to Sponsor – NIST GCR 10-930*, U.S. Department of Commerce National Institute of Standards and Technology (NIST), Office of Applied Economics Engineering Laboratory Gaithersburg, Maryland 20899-8603
441. Reinhorn, A.M. and Oikonomou K (2010), "[Modeling of Transformers: 500kV and 230kV Cover Amplifications](#)", *MCEER Task Report –MCEER-TR-10-01*, University at Buffalo – the State University of New York
442. Reinhorn, A.M. Ryu K.P. and Maddaloni G., (2010), "[Modeling and Seismic Evaluation of Nonstructural Components: Testing Frame for Experimental Evaluation of Suspended Ceiling Systems](#)", *MCEER Technical Report –MCEER-10-0004*, University at Buffalo – the State University of New York DOI: 10.13140/RG.2.1.2928.4723
443. Cimellaro, G.P., Fumo C., Reinhorn A.M., Bruneau, M., (2009) "[Quantification of Seismic Resilience of Health Care Facilities](#)", *MCEER Technical Report –MCEER-09-0009*, University at Buffalo – the State University of New York
444. Reinhorn A. M., Roh H., Sivaselvan M., Kunnath S. K., Valles R. E., Madan A., Li C., Lobo R., Park Y. J. (2009), "[IDARC 2D Version 7.0: A Program for the Inelastic Damage Analysis of Structures](#)", *MCEER Technical Report- MCEER-09-0006*, University at Buffalo – the State University of New York, DOI: 10.13140/RG.2.1.2518.8724
445. Benassi, A. and Reinhorn, A.M. (2009), "[Modeling of Conductors in Electrical Equipment & Sensitivity Studies](#)", *MCEER Task Report –MCEER-TR-09-01*, University at Buffalo – the State University of New York
446. Retamales, R., Mosqueda, G., Filiatrault, A., and Reinhorn, A.M. (2008). "[New Experimental Capabilities and Loading Protocols for Seismic Qualification and Fragility Assessment of Nonstructural Components](#)", *MCEER Technical Report –MCEER-08-0026*, University at Buffalo – the State University of New York
447. Schachter M and Reinhorn, A. M., (2007), "[Three-Dimensional Modeling of Inelastic Buckling in Frame Structures](#)", *Report MCEER-07-0016*, MCEER/SUNY/Buffalo
448. Cimellaro, G. P., Reinhorn, A. M., Bruneau, M., and Rutenberg, A. (2006), "[Multidimensional Fragility of Structures: Formulation and Evaluation.](#)", *Report MCEER-06-0002*, MCEER/SUNY/Buffalo
449. Badillo, H., Whittaker, A. S. Reinhorn, A. M. and Cimellaro, G.P. (2006), "[Seismic Fragility of Suspended Ceiling Systems](#)", *Report MCEER-06-0001*, MCEER/SUNY/Buffalo
450. M.Bruneau, A. Filiatrault, G. Lee, T. O'Rourke, A. Reinhorn, M. Shinozuka and K. Tierney (2005); "[White Paper on the SDR Grand Challenges for Disaster Reduction](#)", *Special Technical Report MCEER-05-SP09*; 12/5/2006; MCEER/SUNY/Buffalo 40 pages;
451. Tsopelas, P.C., Roussis, P.C., Constantinou, M.C., Buchanan, R. and Reinhorn, A.M. (2005), "[3D-BASIS-ME-MB: Computer Program for Nonlinear Dynamic Analysis of Seismically Isolated Structures](#)", *Report MCEER-05-0009*, MCEER/SUNY/Buffalo 2005, DOI: 10.13140/RG.2.2.11183.33448
452. Kusumastuti, D.K., Reinhorn A.M. and Rutenberg A. (2005), "[A Versatile Experimentation Model for Study of Structures Near Collapse Applied to Seismic Evaluation of Irregular Structures](#)" *Report MCEER-05-0002*, MCEER/SUNY/Buffalo
453. Sivaselvan, M. and Reinhorn, A.M. (2004) "[Nonlinear Structural Analysis towards Collapse Simulation: A Dynamical Systems Approach](#)" *Report MCEER-05-0004*, MCEER/SUNY/Buffalo 2004.
454. M. Bruneau, A. Whittaker, A.Reinhorn (2002); "[Engineering and Organizational Issues Related to the World Trade Center Terrorist Attack: Overview of Damage to Buildings Near Ground Zero](#)", *Special Technical Report MCEER-02-SP02*; 3/2/2002; 46 pages;
455. Sivaselvan, M. and Reinhorn, A.M. (1999) "[Hysteretic Models for Cyclic Behavior of Deteriorating Inelastic Structures](#)", *Report MCEER-99-0018*, MCEER/SUNY/Buffalo 1999.
456. Reinhorn, A.M. Simeonov, V., Mylonakis, G., and Reichman, Y, (1998) "[IDARC-BRIDGE, A Computational Platform for Seismic Damage Assessment of Bridge Structures](#)", *Report MCEER-98-0011*, MCEER/SUNY/Buffalo 1998
457. Valles, R.E. and Reinhorn, A.M.,(1997) "[Evaluation, Prevention and Mitigation of Pounding Effects in Building Structures.](#)" *Report NCEER-97-0001*, NCEER/SUNY/Buffalo 1997
458. Reinhorn, A.M. Madan, A., Valles, R.E., Reichmann, Y., and Mander, J.B. (1995), "[Modeling of Masonry Infill Panels for Structural Analysis](#)", *Technical Report NCEER-95-0018*, NCEER/SUNY/Buffalo.
459. Valles R.E., Reinhorn A.M., Kunnath S.K., Li C., and Madan A., (1996), "[IDARC2D Version 4.0 - A computer Program for the Inelastic Drainage Analysis of Buildings](#)", *Technical Report NCEER-96-0010*, National Center for Earthquake Engineering Research, SUNY/Buffalo

460. Reinhorn, A.M., and Li C.,(1995) "[Experimental and Analytical Investigation of Seismic Retrofit of Structures with Supplemental Damping, Part III Viscous Walls](#)," *Technical Report NCEER-95-0013*, National Center for Earthquake Engineering Research, SUNY/Buffalo
461. Li. C. and Reinhorn, A.M. (1995) "[Experimental and Analytical Investigation of Seismic Retrofit of Structures with Supplemental Damping, Part II Friction Damping Devices](#)," *Technical Report NCEER-95-0009*, National Center for Earthquake Engineering Research, SUNY/Buffalo
462. Reinhorn, A.M., Li C., and Constantinou, M.C. (1995) "[Experimental and Analytical Investigation of Seismic Retrofit of Structures with Supplemental Damping, Part I Fluid Viscous Damping devices](#)", *Technical Report NCEER-95-0001*, National Center for Earthquake Engineering Research, SUNY/Buffalo
463. Naeim, F. Dijulio, R., K. Benuska, K., Reinhorn, A.M., Li, C., "[Evaluation of Seismic Performance of an 11 Story Frame Building During the 1994 Northridge Earthquake](#)," *Technical Report NCEER-95-0006*, National Center for Earthquake Engineering Research, SUNY/Buffalo (unpublished, private distribution only)
464. Reinhorn, A.M., Nagarajaiah, S, Constantinou, M.C., and Tsopelas, P.C, "[3D-BASIS-TABS: Version 2.0 Computer Program for Nonlinear Dynamic Analysis of Three Dimensional Base Isolated Structures](#)," *Technical Report NCEER-94-0018*, National Center for Earthquake Engineering Research, SUNY/BUFFALO, 1994 DOI: 10.13140/RG.2.2.12861.05607
465. Tsopelas, P.C., Constantinou, M.C., and Reinhorn, A.M. (1994) "[3D-BASIS-ME: Computer Program for Nonlinear Dynamic Analysis Seismically Isolated Single and Multiple Structures and Liquid Storage Tanks](#)," *Technical Report NCEER-94-0010*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1994
466. "[The Northridge, California Earthquake of January 17, 1994: General Reconnaissance Report](#)," - Section on [Buildings](#), *Technical Report NCEER-94-0005*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1994
467. Nagarajaiah, S., Li, C., Reinhorn, A.M., and Constantinou, M.C. (1993) "[3D-BASIS-TABS-Computer Program for Nonlinear Dynamic Analysis of Three Dimensional Base Isolated Structures](#)," *Technical Report NCEER-93-0011*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1993
468. Lobo, R.F., Bracci, J.M., Shen, K.L., Reinhorn, A.M., and Soong, T.T., (1993), "[Inelastic Response of R/C Structures with Viscoelastic Braces](#)," *Technical Report NCEER-93-0006*, National Center for Earthquake Engineering Research, SUNY/Buffalo
469. Bracci, J.M., Reinhorn, A.M., Mander, J.B.,(1992), "[Evaluation of Seismic Retrofit of Reinforced Concrete Frame Structures: Part II - Experimental Performance and Analytical Study of Retrofitted Structural Model](#)," *Technical Report NCEER-92-0031*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992, DOI: 10.13140/RG.2.1.3600.2169
470. Choudhuri, A., Mander, J.B., and Reinhorn, A.M., (1992), "[Evaluation of Seismic Retrofit of Reinforced Concrete Frame Structures: Part I - Experimental Performance and Analytical Study of Retrofitted Subassemblies](#)," *Technical Report NCEER-92-0030*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992
471. Bracci, J.M., Mander, J.B. and Reinhorn, A.M., (1992), "[Seismic Resistance of Reinforced Concrete Frame Structures Designed Only for Gravity Loads: Part III - Experimental Performance and Analytical Study of Structural Model](#)," *Technical Report NCEER-92-0029*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992, DOI: 10.13140/RG.2.1.1290.0726
472. Aycardi, L.E., Mander, J.B., and Reinhorn, A.M., (1992), "[Seismic Resistance of Reinforced Concrete Frame Structures Designed Only for Gravity Loads: Part II - Experimental Performance of Subassemblies](#)," *Technical Report NCEER-92-0028*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992
473. Bracci, J.M., Reinhorn, A.M., Mander, J. B.,(1992) "[Seismic Resistance of Reinforced Concrete Frame Structures Designed Only for Gravity Loads: Part I - Design and Properties of a One-Third Scale Model Structure](#)," *Technical Report NCEER-92-0027*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992
474. Kunnath, S. K., Reinhorn, A.M., and Lobo, R.F. (1992), "[IDARC Version 3.0: Inelastic Damage Analysis of Reinforced Concrete Structures](#)," *Technical Report NCEER-92-0022*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992
475. Reinhorn, A.M., Soong, T.T., Lin, R.C., Riley, M.A., Wang, Y.P., Aizawa, S., and Higashino, M., (1992) "[Active Bracing System: A Full Scale Implementation of Active Control](#)," *Technical Report NCEER- 92-0020*, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992, DOI: 10.13140/RG.2.1.2469.7207
476. Hoffmann, G.W., Kunnath, S.K., Mander, J.B., and Reinhorn, A.M. (1992)., "[Gravity-Load-Designed Reinforced Concrete Buildings: Seismic Evaluation of Existing Construction and Detailing Strategies for](#)

- [Improved Seismic Resistance.](#) Technical Report NCEER-92-0016, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992
477. Demetriades, G.F., Constantinou, M.C., and Reinhorn, A.M (1992), "[Study of Wire Rope Systems for Seismic Protection of Equipment in Buildings.](#)" Technical Report NCEER-92-0012, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1992
478. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C., (1992), "[Experimental and Analytical Study of Sliding Base Isolated Structures with Uplift Restraint](#)", Report No. NCEER-92-XXXX, National Center for Earthquake Engineering Research, State University of New York at Buffalo, New York (unpublished – private distribution only)
479. Constantinou, M.C., Kartoum, A., Reinhorn, A.M., and Bradford, P., "[Experimental and Theoretical Study of a Sliding Isolation System for Bridges.](#)" Technical Report NCEER-91-0027, National Center for Earthquake Engineering Research, SUNY/Buffalo, 1991
480. Tsopelas, P., Nagarajaiah, S., Constantinou, M.C. and Reinhorn, A.M., "[3-D Basis-M: Nonlinear Dynamic Analysis of Multiple Building Base Isolated Structures](#)", Report No. NCEER-91-0014, National Center for Earthquake Engineering Research, State University of New York, Buffalo, New York, 1991
481. Nagarajaiah, S., Reinhorn, A.M., Constantinou, M.C. "[3D-BASIS: Nonlinear Dynamic Analysis of Three Dimensional Base Isolated Structures - Part II](#)", Report NCEER-91-0005, National Center for Earthquake Engineering Research, State University of New York, Buffalo, New York, 1991 DOI: 10.13140/RG.2.1.2142.0404
482. Mokha, A., Constantinou, M.C. and Reinhorn, A.M., (1990), "[Experimental and Analytical Study of Earthquake Response of a Sliding Isolation System with a Spherical Surface](#)", Report NCEER-90-0020, NCEER/SUNY/Buffalo, 1990
483. Constantinou, M.C., Mokha, A. and Reinhorn, A.M. (1990), "[Experimental and Analytical Study of a Combined Sliding Disc Bearing and Helical Steel Spring Isolation System](#)", Report NCEER-90-0019, NCEER/SUNY/Buffalo, 1990
484. Manolis, G.D., Juhn, G., Constantinou, M.C. and Reinhorn, A.M. (1990), "[Secondary Systems Within Base-Isolated Structures Part I: Experimental Investigation](#)", Report NCEER-90-0013, NCEER/SUNY/Buffalo, 1990
485. Reinhorn, A.M. and Riley, M., (1989), "[Analysis of Similitude Considerations and Seismic Response of Plastic Fluid Storage Tanks](#)", Report NCEER-89-xxxx, NCEER/SUNY/Buffalo (unpublished – private distribution)
486. Bracci, J.M., Reinhorn, A.M., Mander, J.B., and Kunnath, S.K., (1989), "[Deterministic Model for Seismic Damage Evaluation of Reinforced Concrete Structures](#)", Report NCEER-89-0033, NCEER/SUNY/Buffalo, 1989
487. Reinhorn, A.M., Soong, T.T., Lin, R.C., Wang, Y.P., Fukao, Y., Abe, H., and Nakai, M. (1989) "[1:4 Scale Model Studies of Active Tendons Systems and Active Mass Dampers for Aseismic Protection](#)", Report NCEER-89-0026, NCEER/SUNY/Buffalo, 1989
488. Nagarajaiah, S., Reinhorn, A.M., and Constantinou, M.C., (1989), "[Nonlinear Dynamic Analysis of Three-Dimensional Base Isolated Structures \(3D-BASIS\)](#)", Report NCEER-89-0019, NCEER/SUNY/Buffalo, 1989
489. Reinhorn, A.M., Dicosro, P., Harper, W. and Dickerson, J., (1989), "Structures with Semi-Rigid Connections", Report NCEER-89-0015, NCEER/SUNY/Buffalo (unpublished – private distribution)
490. Kunnath, S.K. and Reinhorn, A.M., (1989), "[Inelastic Analysis of Three-Dimensional R/C Building Structures \(IDARC-3D\) - Part I - Modeling](#)", Report NCEER-89-0011, NCEER/SUNY/Buffalo, 1989
491. Mokha, A., Constantinou, M.C. and Reinhorn, A.M. (1988), "[Teflon Bearings in Aseismic Base Isolations - Experimental Studies and Mathematical Modeling](#)", Report NCEER-88-0038, NCEER/SUNNY/Buffalo, 1988
492. Reinhorn, A.M., Kunnath, S.K. and Panahshahi, N. (1988), "[Modeling R/C Building Structures with Flexible Floor Diaphragms \(IDARC2\)](#)", Report NCEER-88-0035, NCEER/SUNY/Buffalo, 1988
493. Chung, L.L., Lin, R.C., Soong, T.T. and Reinhorn, A.M. (1988), "[Experimental Study of Active Control of MDOF Structures Under Seismic Excitations](#)", Report NCEER-88-0025, NCEER/SUNY/Buffalo, 1988
494. Manolis, G.D., Juhn, G. and Reinhorn, A.M. (1988), "[Experimental Investigation of Primary - Secondary System Interaction](#)", Report NCEER-88-0019, NCEER/SUNY/Buffalo, 1988
495. Reinhorn, A.M., Seidel, M.I., Kunnath, S.K. and Park, Y.J. (1988), "[Damage Assessment of Reinforced Concrete Structures in Eastern United States](#)", Report NCEER-88-0016, NCEER/SUNY/Buffalo, 1988
496. Reinhorn, A.M., Park, Y.J., Saldana, W.L. and Wang, T.C., (1988), "[Evaluation of Seismic Response of Plastic Fluid Storage Tanks](#)", Report NCEER-88-xxxx, NCEER/SUNY/Buffalo, (unpublished – private distribution)

497. Pantelic, J. and Reinhorn, A.M. (1987), "[Report on The Whittier Narrows, California, Earthquake of October 1, 1987](#)", Report NCEER-87-0026 (PB88-188115/AS), NCEER/SUNY/Buffalo, 1987
498. Park, Y.J., Reinhorn, A., Kunnath, S.K. (1987), "[IDARC - Inelastic Damage Analysis of Reinforced Concrete Wall Frame Structures](#)", Report NCEER-87-0008, (PB88-134325/AS), NCEER/SUNY/Buffalo, 1987
499. Lin, R.C., Soong, T.T. and Reinhorn, A. (1987), "[Experimental Evaluation of Instantaneous Optimal Algorithms for Structural Control](#)", Report, NCEER-87-0002, (PB88-134341/AS), NCEER/SUNY/Buffalo, 1987

Go to [List of Contents](#)

MISCELLANEOUS TECHNICAL REPORTS

500. Reinhorn, A.M. Ryu, K.P. and Pitman M., (2010), "Seismic Test-Qualification of ABB 345 kV Condenser Bushing", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2010-19*, for ABB Inc. Alamo, TN
501. Reinhorn, A.M. Ryu, K.P. and Pitman M., (2010), "Seismic Test-Qualification of ABB 196 kV Condenser Bushing", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2010-18*, for ABB Inc. Alamo, TN
502. Reinhorn, A.M. Ryu, K.P. and Pitman M., (2010), "Seismic Qualification Testing of Pascor 345 kV Disconnect Switch", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2010-09*, for Pacific Air Switch Corporation, Forest Grove, OR
503. Reinhorn, A.M., Rosenfeld, J.C. and Roh, H., (2010), "Qualification Testing of Dampers for Renovation of State of CA Office Bldgs #8	", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2010-01*, for California - General Services Administration
504. Renschler, C.S., Frazier, A.E., Arendt, L.A. Cimellaro, G.P., Reinhorn, A.M., and Bruneau, M. (2010). "[Framework for Defining and Measuring Resilience at the Community Scale: The PEOPLES Resilience Framework](#)", *NIST Report GCR 10-930*, U.S. Department of Commerce National Institute of Standards and Technology, Office of Applied Economics Engineering Laboratory, Gaithersburg, Maryland
505. Reinhorn, A.M. and Muhammad, F., (2009), "Seismic Test-Qualification Report HVB Circuit Breaker", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-20*, for HVB AE Power Systems, Inc.
506. Reinhorn, A.M. and Muhammad, F., (2009), "Seismic Test-Qualification Report for AREVA Current Transformer", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-19*, for AREVA T&D Inc.
507. Reinhorn, A.M., Roh, H., (2009), "Seismic Test-Qualification Report no. 5C4-33-1", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-18*, for Cooper Power Systems
508. Reinhorn, A.M., Roh, H., (2009), "Seismic Test-Qualification Report no. 5C4-32-1", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-17*, for Cooper Power Systems
509. Reinhorn, A.M., Roh, H., (2009), "Seismic Test-Qualification Report no. 5C4-31-1", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-16*, for Cooper Power Systems
510. Reinhorn, A.M., Roh, H., (2009), "Seismic Test-Qualification Report no. 5C4-30-1", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-15*, for Cooper Power Systems
511. Reinhorn, A.M., Roh, H., (2009), "Seismic Test-Qualification Report no. 5C4-29-1", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-14*, for Cooper Power Systems
512. Reinhorn, A., Cimellaro, G., Roh, H., D., K., Pitman, M., (2009), "Seismic Qualification Testing of Electrical Hollow Composite Post Insulators (Manufacturer N)", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-07*, for Bonneville Power Authority
513. Reinhorn, A., Cimellaro, G., Roh, H., D., K., Pitman, M., (2009), "Seismic Qualification Testing of Electrical Hollow Composite Post Insulators (Manufacturer M)", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-06*, for Bonneville Power Authority
514. Roh, H., Reinhorn, A.M., and Pitman, M., (2009), "Seismic Qualification Testing of Suspended Ceiling Systems: System P7 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-04*, for Chicago Metallic Corporation
515. Roh, H., Reinhorn, A.M., and Pitman, M., (2009), "Seismic Qualification Testing of Suspended Ceiling Systems: System O7 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-03*, for Chicago Metallic Corporation
516. Roh, H., Reinhorn, A.M., and Pitman, M., (2009), "Seismic Qualification Testing of Suspended Ceiling Systems: System N7 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, *CSEE-SEESL-2009-02*, for Chicago Metallic Corporation

517. Roh, H., Reinhorn, A.M., and Pitman, M., (2009), "Seismic Qualification Testing of Suspended Ceiling Systems: System M7 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2009-01, for Chicago Metallic Corporation
518. Roh, H., Reinhorn, A.M., and Pitman, M., (2008), "Seismic Qualification Testing of Suspended Ceiling Systems: System D8 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-15, for Chicago Metallic Corporation
519. Roh, H., Reinhorn, A.M., and Pitman, M., (2008), "Seismic Qualification Testing of Suspended Ceiling Systems: System C8 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-14, for Chicago Metallic Corporation
520. Roh, H., Reinhorn, A.M., and Pitman, M., (2008), "Seismic Qualification Testing of Suspended Ceiling Systems: System B8 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-12, for Chicago Metallic Corporation
521. Roh, H., Reinhorn, A.M., and Pitman, M., (2008), "Seismic Qualification Testing of Suspended Ceiling Systems: System A8 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-10, for Chicago Metallic Corporation
522. Roh, H., Reinhorn, A.M., and Pitman, M., (2008), "Seismic Qualification Testing of Suspended Ceiling Systems: System G8 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-09, for Chicago Metallic Corporation
523. Roh, H., Reinhorn, A.M., and Pitman, M., (2008), "Seismic Qualification Testing of Suspended Ceiling Systems: System F8 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-08, for Chicago Metallic Corporation
524. Roh, H., Reinhorn, A.M., and Pitman, M., (2008), "Seismic Qualification Testing of Suspended Ceiling Systems: System E8 of Chic Met Corp", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-07, for Chicago Metallic Corporation
525. Roh, H. and Reinhorn, A.M., (2008), "Qualification Testing of Dmpers for Renov of St of CA's Office Bldgs #8/9", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-04, for California - General Services Administration
526. Reinhorn, A.M. and Kong, D., (2008), "Experimental Evaluation of Earthquake Alert™ Devices", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2008-03, for EQ Technologies, Inc.
527. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: L7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-22, for Chicago Metallic Corp
528. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: K7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-21, for Chicago Metallic Corp
529. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: J7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-20, for Chicago Metallic Corp
530. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: I7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-19, for Chicago Metallic Corp
531. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: H7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-18, for Chicago Metallic Corp
532. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: G7,", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-17, for Chicago Metallic Corp
533. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: F7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-16, for Chicago Metallic Corp
534. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: E7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-15, for Chicago Metallic Corp
535. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: D7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-14, for Chicago Metallic Corp

536. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M., (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: C7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-13, for Chicago Metallic Corp
537. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M., (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: B7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-12, for Chicago Metallic Corp
538. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M., (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: A7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-11, for Chicago Metallic Corp
539. Reinhorn, A.M., Kong, D. and Kim, W., (2007), "Seismic Qualification Testing of Surge Arresters", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-09, for MCEER-California Utilities Consortium
540. Reinhorn, A.M., Kong, D. and Kim, W., (2007), "Seismic Qualification Testing of Potential Transformers", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-08, for MCEER-California Utilities Consortium
541. Lavan, O., Cimellaro, G.P., Reinhorn, A.M., and Pitman, M., (2007), "Seismic Qualification Testing of Suspended Ceiling Systems", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-06, for Chicago Metallic Corp
542. Kong, D. and Reinhorn, A., (2007), "Qualification Testing Report for Jarrett Structures Damper ... Additional Energy", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-02, for Jarret Structures Inc.
543. Kong, D. and Reinhorn, A., (2007), "Qualification Testing Report for Jarrett Struct Damper P/N:ASR1500-300AG", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-01, for Jarret Structures Inc.
544. Sivaselvan, S.M., Lavan, O., Dargush, G., Reinhorn, A.M., Kurino, H., Yoshikawa, K., Hyodo, Y., Fukuda, R., Sato, K., 2007, "Investigation of Factors Leading to Progressive Collapse of Structures: Toward Analysis of Full System Failure of Structures", *Final Report, Kajima-CUREE Joint Research Program*, CUREE, October 30, 2007, 170 p
545. Reinhorn, A.M. and Pitman, M., (2006), "Seismic Test-Qualification Report No. 5C4-26-1, Polymer Housed VariSTAR ..", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-24, for Cooper Power Systems
546. Reinhorn, A.M. and Pitman, M., (2006), "Seismic Test-Qualification Report No. 5C4-25-1, Polymer Housed VariSTAR ..", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-23, for Cooper Power Systems
547. Reinhorn, A.M. and Pitman, M., (2006), "Seismic Test-Qualification Report No. 5C4-24-1, Polymer Housed VariSTAR ..", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-22, for Cooper Power Systems
548. Reinhorn, A.M. and Pitman, M., (2006), "Seismic Test-Qualification Report No. 5C4-23-1, Polymer Housed VariSTAR ..", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-21, for Cooper Power Systems
549. Reinhorn, A.M. and Pitman, M., (2006), "Seismic Test-Qualification Report No. 5C4-22-1, Polymer Housed VariSTAR ..", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-20, for Cooper Power Systems
550. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspd Ceiling Sys: Sys C (all Sequences)", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-18, for Chicago Metallic Corp.
551. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System I", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-16, for Chicago Metallic Corp.
552. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System H", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-15, for Chicago Metallic Corp.
553. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System G", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-14, for Chicago Metallic Corp.
554. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System F", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-13, for Chicago Metallic Corp.

555. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System E", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-12, for Chicago Metallic Corp.
556. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System D", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-11, for Chicago Metallic Corp.
557. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System C", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-10, for Chicago Metallic Corp.
558. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System B", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-09, for Chicago Metallic Corp.
559. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems: System A", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-08, for Chicago Metallic Corp.
560. Lavan, O., Reinhorn, A.M., Shao, X., and Pitman, M., (2006), "Seismic Qualification Testing of Suspended Ceiling Systems-A", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-06, for Chicago Metallic Corp.
561. Gulec, C.K., Whittaker, A. and Reinhorn, A.M., (2006), "Seismic Qualification Testing of Ceiling Systems, Part IX", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-02, for Armstrong World Industries, Inc.
562. Pitman, M., Shao, X., Reinhorn, A., (2006), "Seismic Qualification of Emerson Extended Reserve Battery Enclosure", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2006-01, for Emerson Engineering
563. Pitman, M., Shao, X., Goodwin, E., Doyle, K., Reinhorn, A., (2005), "Seismic Qualification of Emerson Single Bay Power Backup Sys", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2005-02, for Emerson Engineering Testing Lab
564. Gulec, C.K., Whittaker, A. and Reinhorn, A.M., (2005), "Seismic Qualification Testing of Ceiling Systems, Part VIII", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2005-06, for Armstrong World Industries, Inc.
565. Schachter-Adaros, M., Kong, D. and Reinhorn, A.M., (2005), "[Displacement calculation from measured accelerations - integration in the frequency domain](#)", UB/CSEE Report, University at Buffalo, October, 2005.
566. Cyr, R., Whittaker, A.S., and Reinhorn, A.M., (2004), "Seismic Qualification of Suspended Ceiling Systems, Vol. 7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2004-04, for Armstrong World Industries, Inc.
567. Aref, A., Bruneau, M., Constantinou, M., Filiatrault, A., Lee, G., Reinhorn, A., Whittaker, A. (2004), "[Seismic Response Modification of Structural and Non-Structural Systems and Components in Acute Care Facilities](#)", *MCEER / Research Progress and Accomplishments Volume 2004*, 95-121.
568. Constantinou M C., Dargush G F., Lee G. C, Reinhorn A. M and. Whittaker A. S (2000-2001), "[Analysis and Design of Buildings with Added Energy Dissipation Systems](#)", *MCEER/ Research Progress and Accomplishments Volume*, 103-124.
569. Repp, J., Whittaker, A.S., and Reinhorn, A.M., (2003), "Performance of Suspended Ceiling Systems for Blast-type Loading", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2003-05, for Nat. Inst. of Stds &Technology
570. Repp, J., Whittaker, A.S., and Reinhorn, A.M., (2003), "Seismic Qualification of Suspended Ceiling Systems, Vol. 7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2003-04, for Armstrong World Industries, Inc.
571. Repp, J., Whittaker, A.S., and Reinhorn, A.M., (2003), "Seismic Qualification of Suspended Ceiling Systems, Vol. 6", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2003-03, for Armstrong World Industries, Inc.
572. Repp, J., A.S., and Reinhorn, A.M., (2003), "Seismic Qualification of Suspended Ceiling Systems, Vol. 5", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2003-02, for Armstrong World Industries, Inc.
573. Badillo, H., Whittaker, A.S., and Reinhorn, A.M., (2003), "Seismic Qualification of Suspended Ceiling Systems, Vol. 4", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2003-01, for Armstrong World Industries, Inc

574. Bruneau, M., Reinhorn, A.M., Aref, A., Billington, S.L., Constantinou, M.C., Lee, G.C., and Whittaker, A.S. (2003), [“Advanced Technologies for Response Modification of Hospitals”](#), *MCEER / Research Progress and Accomplishments* Volume 2003, 103-124
575. Badillo, H., Whittaker, A.S., and Reinhorn, A.M. (2002), “Seismic Qualification of Suspended Ceiling Systems, Vol. 3”, Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2002-03, for Armstrong World Industries, Inc
576. Kusumastuti, D., Badillo, H., Reinhorn, A.M. and Whittaker, A.S., (2002), “Seismic Qualification of Suspended Ceiling Systems, Vol. 2”, Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2002-02, for Armstrong World Industries, Inc
577. Badillo, H., Kusumastuti, D., Reinhorn, A.M. and Whittaker, A.S., (2002), “Seismic Qualification of Suspended Ceiling Systems, Vol. 1”, Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2002-01, for Armstrong World Industries, Inc
578. Vian D., Sivaselvan M, Bruneau M. and Reinhorn A.M. (2001), [“Analysis, Testing and Initial Recommendations on Collapse Limit States of Frames”](#), *MCEER / Research Progress and Accomplishments* Volume, 73-85.
579. Constantinou M C, Dargush, G F. Lee G.C (Coordinating Author). Reinhorn A. M and Whittaker A. S. (2001), [“Analysis, Testing and Initial Recommendations on Collapse Limit States of Frames”](#), *MCEER / Research Progress and Accomplishments* Volume, 73-85.
580. Reinhorn AM., Ahmad S and Sternberg E. (2000), [“Graduate Professional Education in Earthquake Engineering: An Integrated Approach”](#), *MCEER / Research Progress and Accomplishments* Volume, 131-136.
581. Shinozuka, M, Grigoriu M., Ingrassia A R, Billington S L., Feenstra, P Soong T T., Reinhorn A M. and Maragakis E. (2000), [“Development of Fragility Information for Structures and Nonstructural Components”](#), *MCEER / Research Progress and Accomplishments* Volume 15-32.
582. Reinhorn, A.M., Constantinou M. and Nagarajaiah S. (1999), [“Benchmark Models for Experimental Calibration of Seismic Fragility of Buildings”](#) , *MCEER / Research Progress and Accomplishments* Volume , 1-6
583. Colombo, A., Sivaselvan M. and Reinhorn A.M (1998)., “Proposed Damage Evaluation Measure based on Strength Degradation”, UB Report , Proposal for PhD Candidacy of first Author – University of Liege, Belgium
584. Naeim, F., K., Skliros, Reinhorn, A.M. , and Sivaselvan, M.V.(1998), “Effects of Hysteretic Deterioration Characteristics on the Seismic Response of Moment Resisting Steel Structures”, Report on Task 5.4.4 of System Performance Investigation of SAC Joint Venture, JAMA Report Number 98/8428.58, John Martin & Associates Inc., Nov., 1998
585. Reinhorn, A.M., Pekcan, G., and Pitman, M., “Experimental Study of “EQ System” Devices - Part II (Earthquake Warning Devices), Shaking Table Test Report, Report No. AMR96-0002, November 1996.
586. Reinhorn, A.M., Pekcan, G., and Pitman, M., (1996), “Experimental Study of “EQ Systems” Prototypes (Earthquake Warning Devices), Shaking Table Test Report, Report No. AMR96-0001, January 1996.
587. Naeim, F., Dijulio, R., Benuska, K., Reinhorn, A.M. , and Li, Chen (1995) “Evaluation of Seismic Performance of an 11 Story Steel Moment Frame Building During the 1994 Northridge Earthquake,” Technical Report SAC 95-04, Part 2, December 1995, (6-1)-(6-112).
588. Reinhorn, A.M., and Madan (1995), A., [“Evaluation of TYFO-W Fiber Wrap System for In-Plane Strengthening of Masonry Walls,-Part II”](#) Report No. AMR-95-0002, Dept. Of Civil Engineering, State University of New York, Buffalo, August 1995.
589. Reinhorn, A.M., and Madan, A.(1995), [“Evaluation of TYFO-W Fiber Wrap System for Out-of-Plane Strengthening of Masonry Walls-Part I,”](#) Report No. AMR-95-0001, Dept. Of Civil Engineering, State University of New York, Buffalo, March, 1995.
590. Reinhorn, A.M., Constantinou M. and Nagarajaiah S. (1994), “3D-BASIS: Computer Program Series for Nonlinear Dynamic Analysis of Three-Dimensional Base Isolated Structures” , *MCEER / Research Progress and Accomplishments* Volume 1994, 95-121
591. Reinhorn, A.M. and Madan, A., “Structural Properties of Thermalock™ Concrete Masonry Walls,” Preliminary Test Report Submitted to U.S. Dept. Of Energy, Report No. 94-AMR-03, Dept of Civil Engineering, State University of New York, Buffalo, August 1994
592. Reinhorn, A.M. and Madan, A., “Structural Properties of Thermalock™ Concrete Masonry Walls,” Preliminary Test Report, Report No. 94-AMR-02, Dept of Civil Engineering, State University of New York, Buffalo, July 1994
593. Reinhorn, A.M., and Madan, A., "Structural Properties of Thermalock™ Concrete Masonry Walls," Report to Thermalock Products, Inc., CIE 94-AMR-02/03, August 1994

594. Panahshahi, N., Kunnath, S., and Reinhorn, A.M. "Behavior of RC Buildings with Flexible Floor Diaphragms," Research Bulletin Board - SEAONC, BB 93-3, June 1993
595. Reinhorn, A.M. "Feasibility Study for Development of Vibration Experimental Facility at Princeton University," Report to Princeton University, CIE 92-015, November 1992
596. Reinhorn, A.M., and Soong, T.T., "Harumi Project - Structural Linkage Feasibility Study - Phase I, Report to LeMessurier and Assoc., CIE 92-011, March 1992
597. Reinhorn, A.M., Kunnath, S.K., and Valles, R., "Seismic Evaluation of the Tishman Building 10 Lafayette Square Buffalo, Phase I," Report to National Fuel Gas Distribution Corporation, March 1991
598. Kunnath, S.K., Reinhorn, A.M. and Lobo, R., "Enhancement to the Computer Code IDARC for Evaluation of Bridge Structures", Report to NIST, January 1991
599. Soong, T.T. and Reinhorn, A.M., "Feasibility Study For TMD/AMD System For Tall Building Structure", Report to Walter P. Moore and Assoc., ACG-024, December 1990
600. Constantinou, M.C., Reinhorn, A.M. And Mokha, A., "A displacement Control Device For Seismically Isolated Bridges: Part 2: Testing of Displacement Control Device", Report to Watson Bowman Acme Corporation and the National Science Foundation, Dept. of Civil Eng., #90/02, Buffalo, July 1990
601. Constantinou, M.C., Reinhorn, A.M. and Xian Gu, "A Displacement Control Device For Seismically Isolated Bridges, Part 1: Development and Testing of Frictional Device", Report to Watson Bowman Acme Corporation and the National Science Foundation, Dept. of Civil Eng., #89/02, Buffalo, July, 1989*
602. Reinhorn, A., "[Seismic Qualification for PCA9-CCVT-230kV Capacitor Bank](#)", Report to Westinghouse Electric Co., Dept. of Civ. Eng., #89/01, SUNY/Buffalo, March, 1989
603. Reinhorn, A., "[Damping Testing for 500kV DC Capacitor Bank](#)", Report to Westinghouse Electric Co., Dept. of Civ. Eng., SUNY/Buffalo, April 1988
604. Reinhorn, A., and Budhu, M., "Reduction of Strain Gage Data for Epcot Monorail Beams", Report to W. Disney Co., Dept. of Civil Eng., Buffalo, March 1987
605. Reinhorn, A., and Manolis, G., "Present State of Knowledge on Structural Control", Report UB/CIE-85/02, State University of NY at Buffalo, March 1985*
606. Reinhorn, A., "Active Control of Building Structures - A New Approach", Engineering Progress of FEAS & NYSPE, Vol. 4, No. 2, pp 17-19, Jan 1985
607. Reinhorn, A., "Seismic Qualification Analysis of UF₆ Cylinder 72", Report Dept. of Civil Engineering, SUNY Buffalo, Oct., 1983
608. Reinhorn, A., "SUNY/Buffalo Shaking Table - Capabilities and Outlook", Report Dept. of Civil Engineering, SUNY Buffalo, Sept., 1983
609. Reinhorn, A. and Prucz, Z., "Investigation of Ambient Vibrations of MDS Health Group Headquarters", Report SUNY/Buffalo, Aug. 1982
610. Manolis, G.D. and Reinhorn, A., "Finite Element Analysis of Heavy Duty Thread Protector", SUNY Buffalo, Oct. 1981
611. Reinhorn, A. and Zederbaum, E., "Earthquake Response of Bridge Structures (part 1)", Building Research Station, Technion, I.I.T., Haifa, Israel Oct. 1979
612. Reinhorn, A. and Gluck, J., "[Torsional Coupling in Aseismic Design of Building Structures](#)", Report No. 256, Fac. of Civ. Eng., Technion, I.I.T., Haifa, Israel, June 1979.*
613. Rutenberg, A., Gluck, J. and Reinhorn, A., "On the Dynamic Properties of Asymmetric Wall-Frame Structures", Report No. 229, Fac. of Civ. Eng., Technion, I.I.T., June 1977.*
614. Reinhorn, A., Rutenberg, A. and Gluck, J., "[Dynamic Torsional Coupling in Asymmetric Building Structures](#)", Report No. 226, Fac. of Civ. Eng., Technion, I.I.T., Feb. 1977.*
615. Gluck, J. and Reinhorn, A. (1975), "Dynamic Eccentricity of Static Equivalent Earthquake Loads in Asymmetric Building Structures". Unpublished Report (private distribution only), Fac. of Civ. Eng. Technion, I.I.T., Haifa, Israel, Sept. 1975

Go to [List of Contents](#)