

SELECT PUBLICATIONS

Miyamoto, H.K., Gilani, A., "Design of a New Steel-Framed Building Using ASCE 7 Damper Provisions"

2008 Structures Congress, Vancouver, British Columbia, April 2008

Miyamoto, H.K., Gilani, A. "Current Implementation Practices of Passive Energy Dissipaters in the United States"

5th International Conference on Urban Earthquake Engineering, Tokyo, Japan 2008

Miyamoto, H.K., Gilani, A. "Enhancing Sustainability of Structures: Retrofit of a Historic Building Using Energy Dissipation"

12th US Japan Workshop on Improvement of Structural Design and Construction Practices, Kauai, Hawaii, 2007

Miyamoto, H.K., Gilani, A., Determan, L. "Seismic Retrofit of a Concrete Frames High-Rise Historic Building Using Supplementary Damping"

76th Annual Convention Structural Engineers Association of California (SEAOC), Squaw Valley, California, 2007

Miyamoto, H.K., Gilani, A., Scott, K. "High-Order Nonlinear Analysis and Soil Structure Interaction: Application to Seismic Evaluation and Retrofit"

76th Annual Convention Structural Engineers Association of California (SEAOC), Squaw Valley, California, 2007

Miyamoto, H.K., Gilani, A. "Reconnaissance Report for the 2007 Sumatra Earthquake"

76th Annual Convention Structural Engineers Association of California (SEAOC), Squaw Valley, California, 2007

Miyamoto, H.K., Gilani, A. "Seismic Retrofit of Vulnerable Structures in Developing Countries Using Earthquake Protection Devices"

76th Annual Convention Structural Engineers Association of California (SEAOC), Squaw Valley, California, 2007

Miyamoto, H.K., Gilani, A. "Earthquakes, Hurricanes, Floods: Pick Your Poison"

51st Annual CSI Show and Convention, Baltimore, Maryland, 2007

Miyamoto, H.K., Gilani, A. and Determan, L. "State-of-the-Art Seismic Rehabilitation Using Friction Dampers: Background and Implementation"

ASSISi 10th World Conference on Seismic Isolation, Energy Dissipation and Active Vibrations Control of Structures, Istanbul, Turkey, 2007

Miyamoto, H.K., Gilani, A. and Determan, L. "Pioneering New Technology Using Fluid Viscoelastic Dampers in Seismic Retrofit: Application to Historic Non-Ductile Reinforced Concrete Structure"

ASSISi 10th World Conference on Seismic Isolation, Energy Dissipation and Active Vibrations Control of Structures, Istanbul, Turkey, 2007

Miyamoto, H.K., Gilani, A. and Determan, L. "Innovative Seismic Retrofit Using Fluid Viscous Dampers: Application to High-Rise Reinforced Concrete Building"

ASSISi 10th World Conference on Seismic Isolation, Energy Dissipation and Active Vibrations Control of Structures, Istanbul, Turkey, 2007

Miyamoto, H.K., Gilani, A. "Earthquake Protection of Vulnerable Structures in Developing Countries Using Base Isolation: Theory and Case Study"

ASSISI 10th World Conference on Seismic Isolation, Energy Dissipation and Active Vibrations Control of Structures, Istanbul, Turkey, 2007

Miyamoto, H.K., Scott, K. and Gilani, A. "Comprehensive Evaluation and Seismic Retrofit of a Three-Story Non-Ductile Concrete Structure"

Proceedings of ASCE 2007 Structures Congress, Long Beach, CA, 2007

Miyamoto, H.K., Glasgow, B. and Gilani, A. "Seismic Retrofit of a Hospital Building with Supplementary Damping Devices"

Proceedings of ASCE 2007 Structures Congress, Long Beach, CA, 2007

Miyamoto, H.K. and Gilani, A. "Floor Vibration Evaluation and Mitigation Strategies for Steel Framed Structures"

75th Annual Convention Structural Engineers Association of California (SEAOC), Long Beach, California 2006

Miyamoto, H.K., and Determan, L. "Retrofit of Historic 3-story Nonductile Concrete Structure Using Performance Based Engineering and Innovative Technologies"

100th Anniversary Earthquake Conference Commemorating the 1906 San Francisco Earthquake, EERI, San Francisco, California, 2006

Miyamoto, H.K., Gilani, A. and Kohagura, T. "Application of Fluid Viscous Dampers in Seismic Design and Rehabilitation of Steel Frame Essential Facilities"

100th Anniversary Earthquake Conference Commemorating the 1906 San Francisco Earthquake, EERI, San Francisco, California, 2006

Miyamoto, H.K., Gilani, A. and Determan, L. "Seismic Rehabilitation of Historic Reinforced Concrete Buildings with Fluid Viscous Dampers: Two Case Studies"

100th Anniversary Earthquake Conference Commemorating the 1906 San Francisco Earthquake, EERI, San Francisco, California, 2006

Miyamoto, H.K., and Gilani, A. "Seismic Evaluation and Upgrade of Historic Buildings in Sacramento, California"

Proceedings of ASCE 2006 Structures Congress, St. Louis, Missouri, 2006

Miyamoto, H.K., Gilani, A. and Kohagura, T. "Seismic Rehabilitation of a Nine-Story Building Using Fluid Viscous Dampers"

Proceedings of ASCE 2006 Structures Congress, St. Louis, MO, 2006

Miyamoto, H.K., Gilani, A. "Human Comfort: Preventing Seasick Wind Motion in High Rise Condos"

50th Annual CSI Show and Convention, Las Vegas, Nevada, 2006

Miyamoto, H.K., Gilani, A. and Youssef, N. "Seismic Retrofit of a Hospital Building Using Fluid Viscous Dampers"

Proceedings of the Applied Technology Council, 11th U.S. Japan Workshop on Improvement of Structural Design and Construction Practices, Kobe, Japan, 2005

Miyamoto, H.K., Determan L., Gilani A. and Kohagura T. "Seismic Evaluation and Upgrade of Three Buildings by Performance Based Design"

74th Annual Convention Structural Engineers Association of California (SEAOC), San Diego, California 2005

Miyamoto, H.K. and Hanson R. "Application of Damping for the Seismic Upgrade of a Historic Building"

JSSI 10th Anniversary Symposium on Performance of Response Controlled Buildings, Yokohama, Japan, 2004

Miyamoto, H.K., Determan L., Gilani A. and Hanson, R. "US Experience-Seismic Rehabilitation of Historic Structure with Dampers"

JSSI 10th Anniversary Symposium on Performance of Response Controlled Buildings, Yokohama, Japan, 2004

Miyamoto, H.K., Kohagura, T. and Hanson, R. "US Practice of Building with Added Damping"

13th World Conference on Earthquake Engineering, Vancouver, British Columbia, Canada, 2004

Miyamoto, H.K., Gilani, A. and Hanson, R. "Design of an Essential Facility with Steel Moment Frames and Viscous Dampers Using NEHRP Procedure"

13th World Conference on Earthquake Engineering, Vancouver, British Columbia, Canada, 2004

Miyamoto, H.K. and Hanson, R. "U.S. Code Development for Buildings with Added Damping"

Proceedings of the Applied Technology Council, 10th U.S. Japan Workshop on Improvement of Structural Design and Construction Practices, Maui, Hawaii, 2003

Miyamoto, H.K., Glasgow, R. and Kohagura, T. "Design of a Four Story Educational Building with Steel Moment Frames and Viscous Dampers"

72nd Annual Structural Engineers Association of California (SEAOC) Convention, Squaw Creek, California, 2003

Miyamoto, H.K., Determan, L., Gilani, A., and Hanson, R. "Seismic Rehabilitation of Historic Concrete Structure with Fluid Visco-Elastic Dampers"

72nd Annual Structural Engineers Association of California (SEAOC) Convention, Squaw Creek, California, 2003

Miyamoto, H.K. and Hanson, R. "US Design Procedure of Steel Moment Frames with Viscous Dampers"

4th International Stessa Conference on Behavior of Steel Structures in Seismic Areas, Naples, Italy, 2003

Miyamoto, H.K. and Singh, J.P. "Performance-Based Design of a Concrete Structure with Deep Foundation"

Proceedings of the Applied Technology Council, 10th U.S. Japan Workshop on Improvement of Structural Design and Construction Practices, Maui, Hawaii, 2003

Miyamoto, H.K. and Hanson, R. "Performance-Based Design of the Essential Facility by NEHRP Damper Provisions"

Proceedings of ASCE Structural Congress, Seattle, Washington, 2003

Miyamoto, H.K. and Hanson, R. "U.S. Design of Structures with Damping Systems"

Structural Engineers World Congress, Pacifico Yokohama, Japan, 2002

- Miyamoto, K. and Hanson, R., "Design of an Essential Facility with Steel Moment Frames and Viscous Dampers Using 2000 NEHRP"
- Gemmill, M., Lindorfer, K., and Miyamoto, H. K.; "Retrofit of a Metropolitan Midrise to Improve Torsional Response Using Nonlinear Fluid Viscous Dampers"
- Miyamoto, K. and Glasgow, R., "Vertical Addition to an Existing non-Ductile Concrete Structure Enhanced by Passive Energy Dissipators"
- Gemmill, M., Lindorfer, K., and Miyamoto, H. K.; "Virtual Base Isolation by Building Softening with Drift Control Provided by Nonlinear Viscous Dampers"
- Miyamoto, K., and Singh, J.P. "Performance of Structures with Passive Energy Dissipators"
- Miyamoto, H. K., and Singh J.P. "Performance of Structures with Dampers"
- Shao, D., and Miyamoto, K. "Seismic Retrofit of a Non Ductile Concrete Structure using Heavily Damped Tuned-Mass Devices (TMD)"
- Gemmill, M., Lindorfer, K., and Miyamoto, H. K. "Design of a New Steel Moment Frame Building Incorporating Viscous Dampers Following the Guidelines of the 1999 SEAOC Blue Book"
- Shao, Di Hong, and Miyamoto, K. "Seismic Performance Improvement of a Torsional Irregular Concrete Shear Wall Building Using Toggle Brace Dampers (TBD)"
- Miyamoto, H. K. "Performance Based Design of a Two-Story Addition to an Existing Non-Ductile Concrete Structure Enhanced with Passive Energy Dissipators"
- 71st Annual Structural Engineers Association of California (SEAOC) Convention**, Santa Barbara, California, 2002
- Proceedings for Seventh U.S. National Conference on Earthquake Engineering (7NCEE)**, Boston, Massachusetts, 2002
- Proceedings for Seventh U.S. National Conference on Earthquake Engineering (7NCEE)**, Boston, Massachusetts, 2002
- Proceedings for Seventh U.S. National Conference on Earthquake Engineering (7NCEE)**, Boston, Massachusetts, 2002
- Earthquake Spectra The Professional Journal of Earthquake Engineering Research Institute**, February, 2002
- Proceedings of Seminar on Response Modification Technologies for Performance based Seismic Design, (ATC17-2), Applied Technology Council**, Los Angeles, California, 2002
- Proceedings of Seminar on Response Modification Technologies for Performance based Seismic Design, (ATC 17-2), Applied Technology Council**, Los Angeles, California, 2002
- Proceedings of Seminar on Response Modification Technologies for Performance based Seismic Design, (ATC 17-2), Applied Technology Council**, Los Angeles, California, 2002
- Proceedings of Seminar on Response Modification Technologies for Performance based Seismic Design, (ATC 17-2), Applied Technology Council**, Los Angeles, California, 2002
- 70th Annual Convention, Structural Engineers Association of California**, San Diego, California, 2001

Shao, Di Hong, and Miyamoto, H. K. "Seismic Retrofit of a Non-ductile Concrete Structure Using Heavily Damped Tuned Mass Devices"

Proceedings of 69th Convention, Structural Engineers Association of California, Sacramento, California, 2000

Miyamoto, H.K., and Glasgow, R. S. "Seismic Rehabilitation Of Concrete Shear Wall Structure Using FEMA 273/ATC 40 Procedures"

Proceedings of Applied Technology Council, U.S. Japan Workshop on Structural Design and Construction Practices, Redwood City, California, 2000

Miyamoto, H.K., and Taylor, D. "Structural Control of Dynamic Blast Loading"

Proceedings of ASCE 2000 Structures Congress & Exposition, ASCE, Reston, Virginia, 2000

Miyamoto, H.K., and Lee, D. A. "Innovative Systems for Seismic Repair & Rehabilitations of Structures," (Editor Ayman S. Mosallam)

SRRS2, Fullerton, California, 2000

Miyamoto, H.K. "State-of-the-Art Applications of Passive Energy Dissipators"

Proceedings of the 12th World Conference on Earthquake Engineering, Christchurch, New Zealand, 1999

Shao, Di Hong, and Miyamoto, H. K. "Viscous Dampers vs. Friction Damper for the Retrofit of a Non-Ductile Reinforced Concrete Building with Unreinforced Masonry Infills"

Proceedings of 68th Convention, Structural Engineers Association of California, Sacramento, California, 1999

Miyamoto, H.K., and Taylor, D. "Structural Control of Dynamic Blast Loading Using Passive Energy Dissipators"

Proceedings of 68th Convention, Structural Engineers Association of California, Sacramento, California, 1999

Miyamoto, H. K. "Inelastic Behavior of Structure with Passive Energy Dissipators and Its Effect on SEAOC Provisions"

Proceedings of the Eighth Canadian Conference on Earthquake Engineering, Vancouver, British Columbia, Canada, 1998

Miyamoto, H. K., and Singh J.P. "Guidelines for Evaluation of Existing Structures with Passive Energy Dissipators"

Proceedings of Applied Technology Council, 1998 U.S. Japan Workshop on Structural Design and Construction Practices, Redwood City, California, 1998

Miyamoto, H. K. "Inelastic Behavior of Structures with Seismic Energy Dissipators and its Effect on Blue Book Provisions"

Proceedings of 67th Convention, Structural Engineers Association of California, 1998

Miyamoto, H. K. "Recent Applications of Supplemental Damping in Buildings"

Proceedings of 1st Structural Engineers World Congress, ASCE, Reston, Virginia, 1998

Miyamoto, H. K. "Inelastic Behavior of Structures"

Proceedings of Second World Conference on Structural Control, 1998

Miyamoto, H. K., and Scholl, R. E. "Inelastic Behavior of Structures with Seismic Energy Dissipators"

Proceedings of Sixth U.S. National Conference on Earthquake Engineering, 1998

Miyamoto, H. K., and Scholl, R. E. "Design of Steel Pyramid Using Seismic Dampers"

Proceedings of ASCE Structural Congress XV, Reston, Virginia, 1997

Miyamoto, H. K., and Scholl, R. E. "How to Protect Existing Buildings from Earthquake Attacks, Chapter 8"

Yusei Building Research Center, Tokyo, Japan, 1996

Miyamoto, H. K., and Scholl, R. E. "Performance-Based Design of Steel Pyramid Using Viscous Dampers"

65th Annual Convention Proceedings, Structural Engineers Association of California, 1996

Miyamoto, H. K., and Scholl, R. E. "Seismic Rehabilitation of Non-ductile Concrete Structures using Fluid Viscous Dampers"

Proceedings of the 11th World Conference on Earthquake Engineering, 1996

Miyamoto, H. K., and Scholl, R. E. "Seismic Rehabilitation of Non-ductile Concrete Structures using Fluid Viscous Dampers"

Building Maintenance & Management, Tokyo, Japan, 1996