



Fayaz Rahimzadeh Rofooei

Professor,
 Director of Earthquake Engineering Research
 Center,
 Civil Engineering Department,
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Background

Research

Publication



Civil Engineering Department,
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410 - Civil Engineering Department

Professional Background

Professor	2005-	Civil Engineering Department, Sharif University of Technology, Tehran, Iran.
Associate Professor	2001 - 2005	Civil Engineering Department, Sharif University of Technology, Tehran, Iran.
Assistant Professor	1992- 2000	Civil Engineering Department, Sharif University of Technology, Tehran, Iran.

Educational Background

Ph.D.	1987- 92	Active Structural Control, Rensselaer Polytechnic Institute, Troy, N.Y., 12180, USA.
M. Eng.	1989- 91	Mathematics, Rensselaer Polytechnic Institute, Troy, N.Y., 12180, USA.
M.Sc.	1985- 87	Structural Optimization, Rensselaer Polytechnic Institute, Troy, N.Y., 12180, USA.
B.Sc.	1974- 77	Civil Engineering Department, Iran University of Science and Technology, Tehran, IRAN.

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Positions Held

- 2010 - Director of Earthquake Engineering Research Center, Civil Engineering Department, Sharif University of Technology,
 2008 - Executive Director of the 2nd Project Management Program delivered by
 2011 University of Calgary (Canada) in Sharif University of Technology.
 Executive Director of the First Project Management Program delivered by
 2004 - University of Calgary (Canada) in Sharif University of Technology (for the
 2007 National Iranian Oil Company).
 2001 - Chairman of the Civil Engineering Department, Sharif University of
 2005 Technology, Tehran, Iran.
 1997 - Head of Earthquake Engineering Group, Civil Eng. Department, Sharif
 2001 University of Technology, Tehran, Iran.
 1994 - Vice-Chairman for Education, Civil Engineering Department, Sharif
 1997 University of Technology, Tehran, Iran.

Professional Membership

Iranian Society of Civil Engineers (ISCE)
 American Society of Civil Engineers (ASCE)
 Registered Professional Engineer

Books & Reports

- 2010 Contribution to the "Experiences and Lessons Learnt on Seismic Rehabilitation of Structures in Iran", by preparing one of the chapters on Lifelines, Iranian Engineering and Management Company (IREMCO), Tehran, Iran.
 2010 Dynamics of Structures and its Application in Earthquake Engineering (Translation)
 2006 Comparison of the Performance of Scaling Methods for Earthquake Records, Building & Housing Research Center, Publication No. R - 406
 2003 Introduction to Structural Dynamics (Translation)

Courses Taught

Undergraduate: Statics, Mechanics of Materials, Structural Analysis I and II, Steel Structures, Elements of Earthquake Engineering.
 Graduate: Advanced Engineering Mathematics, Advanced Earthquake Engineering, Structural Control, Structural Stability, Structural Dynamics, Finite Element Methods.

Work Experience

- 1997-1998: Seismic hazard analysis and preparation of the Site Specific Spectra for the great Qeshm island bridge.
 1997-1998: System identification and retrofitting of the Ettelaat Newspaper's 7- story concrete Printing house.
 1998-2000: Dynamic analysis and design of Kan-Do-Van tunnel lining (on the route to Caspian Sea).

1998-2001: A member of project control committee for Seismic Vulnerability study of the Power plant structures and equipments for the Ministry of Power's research center.

2000-2001: Involved in controlling the seismic analysis and design of Resalat tunnel in Tehran as a project control committee member of Tehran Municipality.

2001-2003: Seismic hazard analysis and vulnerability assessment of the Tehran oil storage depots (Rey, Kan and Ghochak) for the Ministry of Oil (As a joint project with Dr. Y. Bozorgnia, and Dr. M. Rahnama):
Seismic hazard analysis of different sites and preparation of the related site specific spectra together with vulnerability assessment of a large number of oil tanks with various capacities (up to 40,000 cubic meters), pump stations, control rooms, various administrative and residential buildings, large storage rooms, and the main connecting pipelines between these sites were among different tasks performed in this project.

2003-2006: The Strengthening project of the Tehran oil storage depots (Rey, Kan and Ghochak) for the Ministry of Oil:
Strengthening of various building structures and other industrial facilities such as Tanks, Pump Stations, pressurized vessels, main connecting pipelines, transformers, control rooms, and many other equipments performed under two different contract with Ministry of Oil's subsidiaries.

2003-2005: Vulnerability analysis and retrofitting of the Ministry of Oil's Main Central Building (a 18 story concrete structure with over 21000 square meters area). Performing seismic hazard analysis, preparing the site specific spectra, performing various nonlinear static (pushover) and dynamic analyses, retrofitting of the building, the foundation and its equipments were among the duties accomplished.

2003-2007: Vulnerability analysis and Retrofitting of the Tehran's Main Mechanized Post office with over 40000 square meters area. Similarly, performing seismic hazard analysis, preparing the site specific spectra, performing various nonlinear static and dynamic analysis, and retrofitting the nonstructural components and heavy equipments were among the duties accomplished.

2005-2008: Worked with Iranian Management Services Company in controlling various vulnerability analysis projects all over Iran.

2001-2008: A member of the structural subcommittee for Disaster Mitigation Center of the Ministry of Interior.

2001-Now: Working with the Building and Housing Research Center (BHRC) of the Ministry of Housing and Urban Planning on different research projects as a peer reviewer.

2010-Now, Strengthening Guidelines of the Equipments and Nonstructural Components of Urban Housing, Under a contract with Building and Housing Research Center (BHRC).

Research Interests

Active and Passive Structural Control Systems, Nonlinear Structural Analysis, Base Isolation, Seismic Vulnerability Analysis and Retrofitting of Structures and Lifelines.

Graduate Students Supervised

Supervised more than 90 MSc and PhD theses.

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Journal Papers (English)

- Rofooei, F. R., and Nikkhoo, Ali**, "Application of Active Piezoelectric Patches in Controlling the Dynamic Response of a Thin Rectangular Plate Under Moving Mass", *International Journal of Solids and Structures*, Vol. 46, 2009, p. 2429-2443.
- Attari, N. K., and Rofooei, F. R.**, "On Lateral Response of Structures Containing a Cylindrical Liquid Tank Under the Effect of Fluid-Structure Resonances", *Journal of Sound and Vibration*, Vol. 318, 2008, p. 1154-1179.
- Rofooei, F. R., and Nikkhoo, Ali**, "Dynamic Behavior and Modal Control of Euler-Bernoulli Beams", *Journal of Applied Mathematics, Slovak University of Technology*, Vol. 1, No. 1 2008, pp:293-304.
- Rofooei, F. R., and Attari, N. K.**, "Lateral Response of Structures Containing a Cylindrical Liquid Tank Under the 1:1 Internal Fluid/Structure Resonances", *Journal of Applied Mathematics, Slovak University of Technology*, Vol. 1, No. 1, 2008, pp:281-292.
- Monajemi-Nejad, S., and Rofooei, F. R.** " Decentralized Sliding Mode Control of Multistory Buildings", *Journal of Structural Design of Tall and Special Buildings*, Vol. 16, No. 2, June 2007, p. 181-204.
- Rofooei, F. R., Attari, N. K., Rasekh, Ali, and Shodja, A. H.**, " Adaptive Pushover Analysis ", *Asian Journal of Civil Engineering*, Vol. 8, No. 4, 2007.
- Nik-Khoo, Ali, Rofooei, F. R., and Shadnam, M. R.**, " On Dynamic Behavior and Modal Control of Beams under Moving Mass ", *Journal of Sounds and Vibrations*, Vol. 306, No. 3-5, pp:712-724, October 2007.
- Rofooei, F. R., Attari, N. K., Rasekh, Ali, and Shodja, A. H.**, " Comparison of Static and Dynamic Pushover Analysis in the Assessment of the Target Displacement ", *International Journal of Civil Engineering*, Vol. 4, No. 3, 2006.
- Rofooei, F. R., and Ebrahimi, M.**, " Evaluation of the Vertical Distribution of Base Shear Force in Base-Isolated Structures ", *International Journal of Science & Technology, Scientia Iranica*, Vol. 14, No. 1, 2006.
- Rofooei, F. R. and Monajemi-Nejad, S.** , " Decentralized Control of Tall Buildings", *Journal of Structural Design of Tall and Special Buildings*, Vol. 14, No. 6, Oct. 2005, p. 488-504.
- Shadnam, M. R., Rofooei, F. R., Mofid, M. and Mehri, B.**, " Periodicity in the Response of Nonlinear Plates Under Moving Mass ", *Journal of Thin-Walled Structures*, Volume 40, (3), 2002, p. 283-295.
- Aghababaii Mobarake, A., Rofooei, F. R., and Ahmadi, G.**, " Simulation of Earthquake Records Using Time Varying ARMA(2,1) Model ", *Journal of Probabilistic Engineering Mechanics*, 17 (1), 2002, p.15-34.
- Shadnam, M. R., Rofooei, F. R. and Mehri, B.**, " Dynamics of Nonlinear Plates Under Moving Loads", *Mechanics Research Communications*, Vol. 28, No. 4, 2001, p. 453-461.

Rofooei, F. R., Aghababaii Mobarake, A. and Ahmadi, G.," Generation of Artificial Earthquake Records with a Nonstationary Kanai-Tajimi Model ", Journal of Engineering Structures, Vol. 23, No. 7, 2001, p. 827-837.

Rofooei, F. R. and Tadjbakhsh, I. G., " Optimal Control of Structures With Acceleration, Velocity and Displacement Feedback", Journal of Engineering Mechanics, ASCE, Vol. 119, No. 10, 1993, p. 1993-2010.

Tadjbakhsh, I. G. and Rofooei, F. R. "Optimal Hybrid Control of Structures Under Earthquake Excitations", Journal of Earthquake Engineering & Structural Dynamics, Vol. 21, No. 3, 1992, p. 233-252.

Spillers, W. R., Teboub, Y., and Rofooei, F. R., "The Effectiveness of Fourier Series in Optimal Design For Transient Response", Journal of Engineering Optimization, Vol. 14, 1989, p. 245-257.

Journal Papers (In Persian)

Javaherzadeh, S. and Rofooei, F. R.," Proposing a Response Reduction Factor for Application of Added Viscoelastic Dampers in Special Steel Moment Resisting Frames and its Evaluation", Accepted for publication in Sharif Scientific and Research Magazine, Tehran, Iran, February, 2011.

Fadavi, M., Rofooei, F. R., and Monajemi-Nejad, S.," On the Centralized and Decentralized Active Control of 3-Dimensional Structural Models with Velocity and Displacement Feedback", Accepted for publication in Sharif Scientific and Research Magazine, Tehran, Iran, January, 2011.

Rofooei, F. R., and Saadatnia, H.," Evaluation of the SEAOC/UBC97 Provisions for the Tall Base-Isolated Structures ", Esteghlal Journal of Engineering, Isfahan University of Technology, Vol. 19, No. 2, Jan. 2001, p. 169-178.

Rofooei, F. R., and Malakan, A.," Evaluation of Tuned Liquid Damper (TLD) Performance in Reducing the Seismic Response of Structures", Esteghlal Journal of Engineering, Isfahan University of Technology, Vol. 19, No. 1, Isfahan, Iran, Sept. 2000, p. 127-142.

Journal Papers Under Preparation

Nikkhoo, Ali, and Rofooei, F. R.,"Parametric Study of the Dynamic Response of Thin Rectangular Plates Traversed by a Moving Mass", submitted to the Journal of Acta Mechanica for Possible publication.

Rofooei, F. R., and Attari, N. K., "The Effect of Fluid/Structure Interaction on the Seismic Response of Structures Equipped With Liquid Tanks Under Near Field Earthquakes ", In the process of being submitted to a related Journal for possible publication.

Dolatshahi, K. M., and Rofooei, F. R., "Inverse Vibration Problem for 3-D Multistory Shear Building Models", In the process of being submitted to a related Journal for possible publication.

Conference Papers (English)

Rofooei, F. R., and Raji, F., "Probabilistic Loss Estimation of Concrete MRF Model Subjected to Near Field Earthquakes", Accepted for presentation in the 8th International Conference on Structural Dynamics, July 4-6, 2011, Leuven, Belgium.

Rofooei, F. R., and Abtahi, Pooya, "On the Performance of Passive TMDs in Reducing the Damage in 2-D Structural Models", The Twelfth East Asia-Pacific Conference on Structural Engineering & Construction,(EASEC-12) ", Hong Kong Special Administrative Region, January 26-28, 2010, China.

Rofooei, F. R., and Farhidzadeh, Alireza,"Investigation on the Seismic Behavior of Steel MRF with Shape Memory Alloy Equipped Connections", The Twelfth East Asia-Pacific Conference on Structural Engineering & Construction,(EASEC-12)", Hong Kong Special Administrative Region, January 26-28, 2010, China.

Rofooei, F. R., and Imani, Reza, " Evaluating the Damage in Steel MRF under Near Field Earthquakes from a Performance Based Design Viewpoint ", The Twelfth East Asia-Pacific Conference on Structural Engineering & Construction,(EASEC-12), Hong Kong Special Administrative Region, January 26-28, 2010, China.

Attari, N. K. A., and Rofooei, F. R., , "Dynamic Response Control of Base Isolated Structures Carrying Cylindrical Liquid Tanks Using Fluid/Structure Interaction" 3rd Turkish Iranian-American Joint workshop on Seismic Risk Management in Urban Areas, Dec. 14-16 2010, Istanbul, Turkey, .

Kenarangi, H. and Rofooei, F. R., "Application of Tuned Mass Dampers in Controlling the Nonlinear Behavior of 3-D Structural Models, Considering The Soil-Structure Interaction", 5th National Congress In Civil Engineering, Ferdowsi University of Mashhad, May 4-6 2010 Mashhad, Iran.

Rofooei, F. R., Attari, N. K. A., and Attari, N. K. A., "Evaluation of the Dynamic Pressure Envelopes in Embedded Storage Tanks Under Near Field Earthquakes", 7th International Conference on Urban Earthquake Engineering(7CUEE) and 5th International Conference on Earthquake Engineering(5ICEE), Tokyo Institute of Technology, March 3-5, 2010, Tokyo Japan.

Rofooei, F. R.,and Nikkhoo, Ali, "Using Piezoelectric Materials to Control The Dynamic Response of a Thin Rectangular Plate Under Moving Mass", 11th East Asia-Pacific Conference on Structural Engineering & Construction,(EASEC-11) " Building a Sustainable Environment", November 19-21, 2008, Taipei, Taiwan.

Rofooei, F. R., and Attari, N. K.,"Using The Fluid/Structure Interaction to Mitigate The Seismic Response of Structures Equipped With Cylindrical Liquid Tanks Subjected to Near Field Earthquakes", 11th East Asia-Pacific Conference on Structural Engineering & Construction,(EASEC-11) " Building a Sustainable Environment", November 19-21, 2008 Taipei, Taiwan.

Rofooei, F. R., and Rahmani, E., "On the Performance of 2 Passive TMDs in Reducing the Seismic Response of 3-D Structural Models Considering the Soil-Structure Interaction ", 14th World Conference On Earthquake Engineering, Beijing, October 12-17 2008, China.

Rofooei, F. R., and Qorbani, Rahim, "A Parametric Study on Seismic Behavior of Continuous Buried Pipelines Due to Wave Propagation", 14th World Conference On Earthquake Engineering, Beijing, October 12-17 2008, China.

Rofooei, F. R., and Nikkhoo, Ali, "Dynamic Behavior and Modal Control of Euler-Bernoulli Beams", 7th international Conference on Applied Mathematics, Slovak University of Technology, Feb 5-8, 2008, Bratislava, Slovak.

Rofooei, F. R., and Attari, N. K., "Lateral Response of Structures Containing a Cylindrical Liquid Tank Under the 1:1 Internal Fluid/Structure Resonances", 7th international Conference on Applied Mathematics, Slovak University of Technology, Feb 5-8, 2008, Bratislava, Slovak.

Monajemi-Nejad, S., and Rofooei, F. R. "Decentralized Sliding Mode Control of Structure Under Earthquake Loadings", First European Conference on Earthquake Engineering and Seismology (1st ECEES), 3-8 September 2006, Geneva, Switzerland.

Rasekh, Ali, Rofooei, F. R., Attari, N. K. and Shodja, A. H., "Static and Dynamic Pushover Analysis of Steel Moment Resisting Frames", 10th East Asia-Pacific Conference on Structural Engineering and Construction, August 3-5, 2006, Bangkok, Thailand.

Rofooei, F. R., Rasekh, Ali, Shodja, A. H., and Attari, N. K., "Adaptive Pushover Analysis", 10th East Asia-Pacific Conference on Structural Engineering and Construction August 3-5, 2006, Bangkok, Thailand.

Bagheri, S., Rofooei, F. R., and Bozorgnia, Y., "Evaluation of the Seismic Response of Liquid Storage Tanks", 10th International Conf. on Civil, Structural and Environmental Engineering Computing, Civil Comp Press, August 30-September 2, 2005, Rome, Italy.

Tehrani, M. R. F., Rofooei, F. R., and Ghaemian, M., "Investigating the Seismic Response of the Concrete Arch Dam Subjected to The Near Field Earthquakes", 73rd Annual Meeting of ICOLD, May 1-6, 2005, Tehran, Iran.

Tehrani, M. R. F., Ghaemian, M., and Rofooei, F. R., "Evaluation of the Seismic Response of the Concrete Arch Dam Including the Foundation Mass", 73rd Annual Meeting of ICOLD May 1-6, 2005, Tehran, Iran.

Rofooei, F. R., "The Bam Earthquake, The Facts and the Lessons Learnt ", Keynote Speaker First International Conference on Urban Earthquake Engineering", Tokyo Institute of Technology, March 2004, Tokyo, Japan.

Rofooei, F. R., and Ebrahimi, M. "Evaluation of the Vertical Distribution of Base Shear Force in Base-Isolated Structures", 9th East Asia-Pacific Conference on Structural Engineering and Construction, 16-18 December 2003, Institut Teknologi Bandung, Bali Indonesia.

Omidi, O., Rofooei, F. R., and Lotfi, V., "Evaluation of the Nonlinear Dynamic Response of Concrete Arch Dams Including Water Compressibility ", 3rd International Conference on Dam Engineering, 20-22 March 2002, Singapore.

Rofooei, F. R., Lotfi, V. and Omidi, O., "Investigating the Effects of Contraction Joints on the Seismic Response of Concrete Dams ", 3rd International Conference, on Dam Engineering, 20-22 March 2002, Singapore.

Rofooei, F.R., and Shadnam, M. R., "Optimal control of continuous systems with acceleration, velocity and displacement feedback ", 8th East Asia-Pacific Conference on Structural Engineering & Construction, Nanyang Technological University, Dec. 5-7, 2001, Singapore.

Rofooei, F. R., and Mobarakeh, A., A., "Synthesizing Earthquake Records with a Nonstationary Kanai-Tajimi Model", 8th East Asia-Pacific Conference on Structural Engineering and Construction, Nanyang Technological University, Dec. 5-7, 2001, Singapore.

Rofooei, F.R., and Shadnam, M. R., "Optimal control of distributed parameter systems with dynamic loading ", 1st International Conference on Steel and Composite Structures, Vol. II, 2001, Seol, South Korea.

Rofooei, F.R., and Shadnam, M. R., "Periodicity in the Response of a Nonlinear Plate under Moving Mass", 1st International Conference on Steel and Composite Structures, Vol. II, 2001, Seol, South Korea.

Rofooei, F. R., "Vibrational Control of Structures Subjected to Earth quake Loading", First International Conference on Structural Control, Los-Angeles, 1994, USA.

Conference Papers (In Persian)

Moghaddas-Jafari, R., and Rofooei, F. R., "Investigating the Effect of Temperature Gradient On Dynamic Behavior of Concrete Dams", Accepted for presentation in 5th National Congress In Civil Engineering, Senan University, April 26-27, 2011, Semnan, Iran.

Rofooei, F. R., and Heidary Asl, S." Investigation of the Bi-directional Excitations of Near Field Earthquakes on Structures, Considering the Soil-Structure Interaction", 8th International Conference on Civil Engineering, Shiraz University, May 11-13, 2009, Shiraz, Iran.

Rofooei, F. R., Fotohee, M. K., and Shodja, A. H." Evaluation of Approximate methods in Seismic Design Codes for Computation of Critical Structural Response under the Horizontal Near Field Earthquakes", 8th International Conference on Civil Engineering, Shiraz University, May 11-13, 2009, Shiraz, Iran.

Rofooei, F. R., and Rahmani, E., "On the Optimal Location of 2 TMDs For Controlling the Seismic Behavior of 3-D Structural Models", 4th National Congress In Civil Engineering Tehran University, May 1-3 2008, Tehran, Iran.

Rofooei, F. R., and Ghorbani, R., "Investigating the Seismic Performance of Buried Pipelines Under the Effect of Body Wave Propagation Phenomena", 4th National Congress In Civil Engineering, Tehran University, May 1-3 2008, Tehran, Iran.

Rofooei, F. R., and Enshaeian, A. R., "Investigating the Seismic Parameters of the Buried Concrete Reservoirs", 4th National Congress In Civil Engineering, Tehran University, May 1-3 2008, Tehran, Iran.

Rofooei, F. R., and Zamani Noori, A., "Application of Base Isolation Method in Improving the Seismic Behavior of 3-D Steel Structural Models", 4th National Congress In Civil Engineering, Tehran University, May 1-3 2008, Tehran, Iran.

Rofooei, F. R. and Azary, H., "Evaluation of the FEMA356 and FEMA440 Guidelines in

- Estimating the Demand Parameters in Concrete Structures.", 3rd National Congress In Civil Engineering, Tabriz University, May 1-3 2007. Tabriz, Iran.
- Nazari, M. and Rofooei, F. R.,"** Evaluation of the Semi-Active Control Algorithms in Reducing the Seismic Response of the Structures With MR Dampers.", 3rd National Congress In Civil Engineering, Tabriz University, May 1-3 2007. Tabriz, Iran.
- Azary, H., and Rofooei, F. R. "** Investigating the Performance of the Scaling Method provided in FEMA440 in Estimating the Demand Parameters in Concrete Structures.", 5th International Conference on Seismology and Earthquake Engineering, May 13-15, 2007 Tehran, Iran.
- Rofooei, F. R. and Nazari, M."** Evaluating the Performance of the MR Dampers in Controlling the Seismic Response of the Structures.", 5th International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 13-15, 2007.
- Abedini, S., T., Rofooei, F. R. and Zahraei, S. M.,"** Parametric Investigation of the Design Slip Load in Frictional Pall Dampers ", 7th International Conference on Civil Engineering, Tarbiet Moddarres University, May 12-14, 2006, Tehran, Iran.
- Javadian Arzaghi, S., and Rofooei, F. R.,"** Investigating the Performance of 2 TMDs' in Controlling the Seismic Behavior of 3-D Structural Models", 7th International Conference on Civil Engineering, Tarbiet Moddarres University, May 12-14, 2006, Tehran, Iran.
- Shodja, A. H., and Rofooei, F. R., "** Investigating the FEMA356 Guidelines for Irregular Concrete Structures (in Plan) Under Multi-Directional Excitations ", 2nd International Conference of Concrete and Development, Building and Housing Research Center, May 1-2 2005, Tehran, Iran.
- Soltani Mohammadi, H., and Rofooei, F. R., "** Investigating the Seismic Response of Elevated Concrete Tanks", 2nd International Conference of Concrete and Development Building and Housing Research Center, May 1-2, 2005, Tehran.
- Rofooei, F. R., Kaveh, A., and Farahani, F. M., "** Estimation of the vulnerability of concrete structures Using Artificial Neural Networks", 2nd International Conference of Concrete and Development, Building and Housing Research Center, May 1-2, 2005, Tehran, Iran.
- Shodja, A. H., and Rofooei, F. R., "** Evaluation of the Demand and Capacity of the Irregular Concrete Structures (in Plan) Under Multi-Directional Excitations", 2nd National Congress In Civil Engineering, University of Science and Technology, May 10-12, 2005, Tehran, Iran.
- Attari, N. K., and Rofooei, F. R., "** Investigating the Envelope of the Dynamic Pressure Applied to the Buried Tanks Considering the Friction and the Sliding Between the Surrounding Soil and the Tank ", First National Congress In Civil Engineering, Sharif University of Technology, May 10-12, 2004, Tehran, Iran.
- Rofooei, F. R., and Rahmatabadi, P.,"**Performance of the Viscoelastic Dampers in Reducing the Seismic Response of Structures", First National Congress In Civil Engineering, Sharif University of Technology, May 10-12, 2004, Tehran, Iran.
- Rofooei, F. R. and Monajemi-Nejad, S., "** Optimal Decentralized Control in Tall Buildings" First National Congress In Civil Engineering, Sharif University of Technology, May 10-12 2004, Tehran, Iran.

Monajemi-Nejad, S., and Rofooei, F. R. " Decentralized Robust Active of Structures, with Controllers on All Floors", First National Congress In Civil Engineering, Sharif University of Technology, May 10-12, 2004, Tehran, Iran.

Rofooei, F. R., and Nik-Khoo, Ali, "Controlling the Seismic Response of Nonlinear Structural Models including the Effect of Time Delay", 6th International Conference on Civil Engineering, pp: 131-138, May 5-7, 2003, Isfahan, Iran.

Monajemy-Nejad, S., and Rofooei, F. R., "Active Decentralized Control of Tall Buildings", 6th International Conference on Civil Engineering, pp: 139-147, May 5-7, 2003, Isfahan, Iran.

Rofooei, F. R. and Attari, N. K., "Investigating the seismic Behavior of Buried Tanks", 6th International Conference on Civil Engineering, pp: 149-156, May 5-7, 2003, Isfahan, Iran.

Bagheri, S., and Rofooei, F. R., "Investigating the Uplift in On-Grade Flexible Storage Tanks Under Earthquake Excitation", 6th International Conference on Civil Engineering, pp: 501-508, May 5-7, 2003, Isfahan, Iran.

Rofooei, F. R. and Shahrabi-Frahani, A. R., " Active Structural Control Using Modified Active Dampers System", 4th International Conference on Seismology and Earthquake Engineering, May 12-14, 2003, Tehran, Iran.

Rofooei, F. R. and Bagheri, S., "Investigating the Dynamic Response of the On-Grade Flexible Storage Tanks", 4th International Conference on Seismology and Earthquake Engineering, May 12-14, 2003, Tehran, Iran.

Nik-Khoo, Ali, and Rofooei, F. R., "Application of Active Structural Control in Reducing the Response of 3-D Structural Models", 4th International Conference on Seismology and Earthquake Engineering, May 12-14, 2003, Tehran, Iran.

Rofooei, F. R., and Monajemy-Nejad, S., "Active Control of Structures using Neural Network ", 5th International Conference on Civil Engineering, Ferdowsi University, May 8-10, 2000, Mashhad, Iran.

Rofooei, F. R., and Jalambadani, M. R., " A Method to Modify the Natural Frequencies of the Shear Building Structures", 5th International Conference on Civil Engineering, Ferdowsi University, May 8-10, 2000, Mashhad, Iran.

Rofooei, F. R., and Zand, A., " Evaluation of the Eccentric Bracing Frames (EBF) Performance with Flexural Behavior □", 5th International Conference on Civil Engineering, Ferdowsi University, May 8-10, 2000, Mashhad, Iran.

Rofooei, F. R., and Shabani-Khalaj, M. R., " Parametric Study on the Base Isolation System to be used in Dar-Khovin Nuclear Power Plant ", 5th International Conference on Civil Engineering, Ferdowsi University, May 8-10, 2000, Mashhad, Iran.

Rofooei, F. R., and Malakan, A., " Controlling the Seismic Response of the Structures with TLD", 3rd International Conference on Seismology and Earthquake Engineering, May 17-19, 1999, Tehran, Iran.

Rofooei, F. R., and Monajemy-Nejad, S., " Application of the Neural Network in

Structural Control with Active Tuned Mass Damper", First Conference of the Iranian Society of Civil Engineers, pp: 279-286, Oct. 20-21, 1999, Tehran, Iran.

Rofooei, F. R., and Tavakkoli, A., " Investigating the Effects of the Scaling Method and the Predominant Period of the Ground Input on the Seismic Demand of Bridges", First National Conference on Lifelines, Earthquake Engineering, April 28-29, 1998, Tehran, Iran.

Rofooei, F. R., and Shabani-Khalaj, M. R., " Evaluation of the performance of the Bushehr Nuclear Power plant's Base Isolation System Under Earthquake Excitations", First Conference of the Iranian Society of Civil Engineers, pp: 279-286, Oct. 20-21, 1999, Tehran, Iran.

Rofooei, F. R., and Moallemi, M., "Optimal Design of the Side Walls of the Concrete Water Storage Tanks", 4th International Conference on Civil Engineering, Sharif University of Technology, May 4-6, 1997, Tehran Iran.

Rofooei, F. R., and Tabesh, M., " Evaluation of TLD's Performance in Seismic-Induced Response of Structures", 4th International Conference on Civil Engineering, Sharif University of Technology, May 4-6, 1997, Tehran Iran.

Rofooei, F. R., and Taghikhani, T., " Parametric Study of Nonlinear Response of the Base-Isolated Structures", 4th International Conference on Civil Engineering, Sharif University of Technology, May 4-6, 1997, Tehran Iran.

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