
Ali Kheyroddin



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Civil Engineering Faculty
Semnan University, Semnan, Iran
&

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Educations:

Ph.D. in Structural Engineering, McGill University, Montreal, Canada, 1992-1996.

Ph.D. Thesis:

Nonlinear Finite Element Analysis of Flexure-Dominant Reinforced Concrete Structures.

MSc., Iran University of Science and Technology, Tehran, Iran, 1987-1990.

BSc., Iran University of Science and Technology, Tehran, Iran, 1983-1987.

Positions:

- Professor of Structural Engineering, Faculty of Civil Engineering, Semnan University.
- Invited Visiting Scholar in the University of Texas at Arlington, UTA, TX, USA (2015).
- Chancellor of Semnan University (2006-2014).
- Dean of Engineering Faculty, Semnan University (1998-2002).
- President of Semnan Construction Engineering Organization, Semnan Province, 2003-2006.
- Member of Center of Excellence for Engineering and Management of Civil Infrastructures, University of Tehran, Iran.
- Member of Technical Committee of Chapter 9 (Design of Reinforced Concrete Buildings), Iranian National Building Code, Ministry of Roads and Urban Development, Iran, 2014-present.
- Principle Member and Tutor in Iranian Concrete Institute.
- Member of American Concrete Institute (ACI), 1994-present.
- Principle Member of Iranian Earthquake Institute.
- Editor in Chief of Journal of Rehabilitation in Civil Engineering.
- Member of Founding Organization of Iranian Concrete Scientific Institute.
- Chairman of the 6th National Congress on Civil Engineering, 6NCCE (2011).
- Member of Board of Director Characteristics, Babol University of Technology, 2012 – present.
- Member of Main Committee of Iranian Concrete Code, 2013-present.

Area of Research:

- Reinforced Concrete Structures
- Nonlinear Finite Element Analysis of Reinforced Concrete Structures
- Tall Buildings (Analysis and Design)
- Composite Structures
- High Performance Fiber Reinforced Concrete (HPFRC)
- Rehabilitation and Seismic Retrofitting
- Progressive Collapse
- Neural Networks

Teaching Subjects:

- **a) Graduate Courses**
 - Advanced Reinforced Concrete Structures
 - Analysis and Design of Tall Buildings
 - Rehabilitation and Strengthening of Damaged and Existing Structures
 - Design of Earthquake Resistant Buildings

- **b) Undergraduate Courses**
 - Reinforced Concrete Structures I
 - Reinforced Concrete Structures II
 - Project of Reinforced Concrete Structures
 - Loading on Structures
 - Strength of Materials
 - Repair and Rehabilitation of Structures

Books:

- Lateral resisting systems in tall buildings
- Resilient construction material – science and applications
- Guide to Non-linear and performance analysis in Perform 3D V. 4
- Analysis and design of shear walls
- Loading in structures
- Strengthening of slab-column connections in flat slabs with FRP
- Nonlinear analysis of RC structures with finite element method
- Axial, shear and moment diagrams
- Computer Applications in Structural Engineering

Patents:

- Steel stub stud for strengthening of RC buildings
- Off-centre bracing system with steel circular element

Honors and Awards:

- Distinguished Researcher of Iranian Construction Engineering Organization, 2013.
- Distinguished Teaching Award – 2000 & 2010 (Honored by the Semnan University President).
- Distinguished Research Award, Semnan University, 2001, 2004, 2007, 2009, 2010, 2013.
- Outstanding paper, Paper of the Year for 2010, (Honored by John Wiley & Sons, Inc.), "Finite element analysis and seismic rehabilitation of a 1000-year-old heritage listed tall masonry mosque. Journal of The Structural Design of Tall and Special Buildings. DOI: 10.1002/tal.599, 2010".
- Top Distinguished Chancellor of Universities of Iran (Award by the Minister of Ministry of Science, Research and Technology), 2009.
- Distinguished Director of Semnan Province Organizations (Honored by the Semnan Governor), 2009.
- Award of Book of the year of Semnan Province - 2008, (As the author of book of Analysis and design of shear walls, honored by the Semnan Governor).
- Award of Book of the year of Semnan Province - 2009, (As the author of book of Nonlinear analysis of RC structures with finite element method, honored by the Semnan Governor).

Member of Editorial Board of Scientific Journals:

- Journal of Rehabilitation in Civil Engineering (JRCE, in English, Editor in Chief), Semnan University, 2012-present.
- International Journal of Civil Engineering (SSRG-IJCE), (in English), 2014 – present.
- Journal of Engineering and Manufacturing Technology (PJEMT), (in English), 2014-present.
- Journal of Civil Engineering (in Persian), Ferdowsi University of Mashhad, 2009-present.
- Journal of Concrete Research (in Persian), University of Guilan, 2008-present.
- Journal of Modeling in Engineering, (in Persian), Semnan University, 1999-present
- Journal of Transportation Infrastructure Engineering (JTIE, in Persian), Semnan University, 2014-present

International Journal Papers:

- M. Bazzaz, Z. Andalib, M. A. Kafi, A. Kheyroddin, Evaluating the Performance of OBS-C-O in Steel Frames under Monotonic Load, Journal of Earthquakes and Structures, 2015, Vol. 8, No. 3, pp 697-710.
- A. Rasouli, S. S. Kourehli, G. Ghodrati Amiri, A. Kheyroddin, A Two-Stage Method for Structural Damage Prognosis in Shear Frames Based on Story Displacement Index and Modal Residual Force, Journal of Advances in Civil Engineering, 2015, Volume 2015, Article ID 527537, 15 pages., <http://dx.doi.org/10.1155/2015/527537>.

- Beiraghi, H., Kheyroddin, A., and Kafi M.A., "The behavior of core wall in tall buildings capable of two hinges", *Journal of Structural Engineering and Construction*, 2015, under press..
- A. Kheyroddin, A. Khalili, E. Emaee, M.K. Sharbatdar, An innovative experimental method to upgrade performance of external weak RC joints using fused steel prop plus sheets, *Steel and Composite Structures*, An International Journal, 2015, Under Review.
- A. Khalili, A. Kheyroddin, A. Frahani, Study on the effects of steel type of prop, on the nonlinear behavior of RC frames strengthened with steel props, *Earthquakes and Structures An International Journal*, 2015, Under Review.
- A. Khalili, M. Ahmadi, A. Kheyroddin, E. Emaee, Plastic hinge length prediction of bridges pier using artificial neural networks algorithm, *Concrete Research Magazine (In Persian)*, 2015, Under Review.
- A. Khalili, A. Kheyroddin, M.K. Sharbatdar, A Farahani, Study on the Nonlinear Behavior of Strengthened RC Frames using Steel Prop and Curb in Connections and Strengthening of Beam and Column, *Journal of Modeling in Engineering (in Persian)*, 2014, Accepted.
- Hoseini Vaez, S.R., Ghodrati Amiri, G., Sharbatdar, M.K., Naderpour, H., Kheyroddin, A. (2014), "Prevalent Pulse Modelling for Near-Fault Records during 1978 Tabas and 2003 Bam Earthquakes", *Journal of Science & Technology, Transaction on: Civil Engineering, Sharif University of Technology*, Vol. 30-2, No. 1.2, pp. 107-116.
- Hoseini Vaez, S.R., Naderpour, H., Kheyroddin, A. (2014), "The Effect of RC Core on Rehabilitation of Tubular Structures", *Journal of Rehabilitation in Civil Engineering*, Vol. 2, Issue 2, pp. 61-70.
- Z. Andalib, M.A. Kafi, A. Kheyroddin, M. Bazzaz. Experimental Investigation of the Ductility and Performance of Steel Rings Constructed from Plates, *Journal of Constructional Steel Research*, 2014, Vol. 103, pp 77-88
- A. Hemati, A. Kheyroddin, M. Sharbatdar, Proposed Equations for Estimating the Flexural Characteristics of Reinforced HPRCC Beams, *International Journal of Science and Technology, Transaction of Civil Engineering*, 2014, Vol. 38, No.C2, pp 395-407.
- H. Saberi, A. Kheyroddin, M. Gerami, Comparison of Bolted End plate and T-Stub Connections Sensitivity to Bolt Diameter on Cyclic Behavior, *International Journal of Steel Structures*, DOI 10.1007/s13296-014-3021-x, September 2014, Volume 14, No 3, 633-647.
- Ahmadi, M., Naderpour, H., Kheyroddin, A. (2014), Utilization of Artificial Neural Networks to Prediction of the Capacity of CCFT Short Columns Subject to Short Term Axial Load, *Archives of Civil and Mechanical Engineering, Elsevier*, 14(3), pp. 510-517.
- V. Saberi, M. Gerami, A. Kheyroddin, , Comparison of Bolted End Plate and T-stub Connection Sensitivity to Component Thickness, *Journal of Constructional Steel Research*, DOI 10.1016/j.jcsr.2014.02.012, July 2014, Volume 98, , Pages 134–145.

- A. Sivandi-Pour, M. Gerami, A. Kheyroddin, Uniform Damping Ratio for Non-classically Damped Hybrid Steel Concrete Structures, *International Journal of Civil Engineering*, 2014, Accepted.
- M. Gerami, A. Kheyroddin, A. Sivandi-Pour, Determination of Modal Damping ratios for Non-classically Damped Rehabilitated Steel Structures, *Iranian Journal of Science and Technology Transaction B Civil Engineering*, 2014, Accepted.
- A. Dalvand, M.K. Sharbatdar, A. Kheyroddin, Assessment of Statistical Variations in Experimental Impact Resistance and Mechanical Properties of Silica Fume Concrete, *International Journal of Scientia Iranica*, 2014, Article in Press.
- R. Zahiri-Hashemi · A. Kheyroddin M. A. Shayanfar, Effect of Inelastic Behavior on the Code-Based Seismic Lateral Force Pattern of Buckling Restrained Braced Frames, *Arab Journal Sci. Eng*, 2014, DOI 10.1007/s13369-014-1433-8.
- Kheyroddin A., Naderpour, H., Ahmadi, M. (2014), Compressive Strength of Confined Concrete in CCFST Columns, *Journal of Rehabilitation in Civil Engineering*, Vol. 2, No. 1.
- A. Khalili, A. Kheyroddin, A. Frahani, M.K. Sharbatdar, Nonlinear behavior of RC frames strengthened with steel curb and prop, *Scientia Iranica, International Journal of Science and Technology*, 2014, Accepted.
- Dabiri, H. Kavyani, A and Kheyroddin, A., Axial Force-Moment Interaction Diagrams to Calculate Shear Wall Reinforcement, *Journal of Trends in Life Sciences*, Volume3, Special Issue 3, 2014, pp. 561-570.
- H. Saberi, V. Saberi, A. Kheyroddin, A. Firouzi, Numerical Evaluation of Symmetric Prism Method to Analyze the Splitting Forces Due to TBM Jack Loads, *Open Journal of Safety Science and Technology* DOI:10.4236/ojsst.2013.33006, September 2013, Vol.3 No.3, Article ID:37087,8 pages .
- Hoseini Vaez, S.R., Sharbatdar, M.K., Ghodrati Amiri, G.R., Naderpour, H., Kheyroddin, A., (2013), Dominant Pulse Simulation of Near Fault Ground Motions, *Earthquake Engineering and Engineering Vibration*, Springer, Volume 12, No. 2.
- Naderpour, H., Kheyroddin, A., Arab Naeini, M., (2013), Cost Optimum Design of Prestressed Concrete Bridge Decks Based on Iran Bridge Loading Code Using Genetic Algorithm, *Journal of Transportation Engineering*, Accepted in 2013 December 15 (in Persian).
- Esmaeili, H., Kheyroddin, A., Naderpour, H., (2013), Seismic Behavior of Steel Moment Resisting Frames Associated with RC Shear Walls, *Iranian Journal of Science & Technology*, Vol. 37, No. C+, pp. 395-407.

- A. Hemati, **A. Kheyroddin**, M. Sharbatdar, Plastic Hinge Rotation Capacity of Reinforced HPFRCC Beams, *J. of Structural Engineering*, 10.1061/(ASCE)ST.1943-541X.0000858 (Apr. 30, 2013).
- M.H. Saghafi , S. Safakhah, A Kheyroddin “ Seismic Performance of Polymer Fiber Reinforced URM Walls under Incremental Loading ” *Advances in Enviromental Biology* , Nov 2013.
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- A. Kheyroddin, M. K. Sharbatdar, and A. Hemmati, Structural Applications of HPFRCC in Earthquake Resistant Reinforced Concrete Structures, *PEER 2013/26 Dec. 2013*, (Pacific Earthquake Engineering Research), Proceedings of the U.S.-Iran Seismic Workshop, Dec. 18-20, 2012, Tehran, Iran
- R. Zahiri-Hashemi, A. Kheyroddin and B. Farhadi, Effective Number of Mega-bracing, in order to Minimize Shear Lag, *Structural Engineering and Mechanics*, *Vol. 48, No. 2 (2013) 173-193* DOI: <http://dx.doi.org/10.12989/sem.2013.48.2.173>
- A. Hemmati & **A. Kheyroddin**, Behavior of Large-Scale Bracing System in Tall Buildings Subjected to Earthquake Loads, *Journal of Civil Engineering and Management*. Volume 19, Issue 2, April 2013, pages 206-216.
- N. Mashhadiali and **A. Kheyroddin**, Proposing the Hexagrid System as a New Structural System for Tall Buildings. *The Structural Design of Tall and Special Buildings*. Volume 22, Issue 17, 10 December 2013, Pages: 1310–1329,
- H. Esmaeili, **A. Kheyroddin**, M. A. Kafi and H. Nikbakht, Comparison of Nonlinear Behavior of Steel Moment Frames Accompanied with RC Shear Walls or Steel Bracings. *The Structural Design of Tall and Special Buildings*. Volume 22, Issue 14, 10 October 2013, Pages: 1062–1074.
- S. R. Hoseini Vaez, M. K. Sharbatdar, G. Ghodrati Amiri, H. Naderpour, **A. Kheyroddin**, Dominant Pulse Simulation of Near Fault Ground Motions, *Earthquake Engineering and Engineering Vibration*, June 2013, Volume 12, Issue 2, pp 267-278.
- N. Mashhadiali and **A. Kheyroddin**, Progressive Collapse Assessment of New Hexagrid Structural System for Tall Buildings, *The Structural Design of Tall and Special Buildings*. Article first published online : 24 JUN 2013, DOI: 10.1002/tal.1097.
- Beiraghi, H., Kheyroddin, A., and Kafi M.A., "Investigation of multi plastic hinge approach in reinforced concrete core-wall tall building under near fault records", *Journal of Concrete Research*, 2013, Vol. 6, No. 2, pp 79-94 (In Persian).

- **A. Kheyroddin**, M. Gerami and F. Mehrabi, Assessment of the Dynamic Effect of Steel Frame due to Sudden Middle Column Loss. *The Structural Design of Tall and Special Buildings*. Article first published online : 30 OCT 2012, DOI: 10.1002/tal.1049
- M. Bazzaz, **A. Kheyroddin**, M. A. Kafi, Z. Andalib. Evaluation of the Seismic Performance of Off-centre Bracing System with Ductile Element in Steel Frames. *Steel and Composite Structures*, Vol. 12 No. 5, 2012.
- A. Mortezaei, **A. Kheyroddin** and H. R. Ronagh, Finite Element Analysis and Seismic Rehabilitation of a 1000-year-old Heritage Listed Tall Masonry Mosque, *The Structural Design of Tall and Special Buildings* Volume 21, Issue 5, May 2012, Pages: 334–353,
- M. K. Sharbatdar, **A. Kheyroddin**, E. Emami , Cyclic Performance of Retrofitted Reinforced Concrete Beam–Column Joints Using Steel Prop, *Construction and Building Materials*, Volume 36, November 2012, Pages 287-294.
- Ahmadi, M., Kheyroddin A., Naderpour, H., (2012), Behavior Research and Comparison between Reliable Codes about Concrete Filled Steel Tubular Column, *Journal of Modeling in Engineering*, Accepted in 2012 July 10.
- Hoseini Vaez, S.R., Ghodrati Amiri, G., Sharbatdar, M.K., Naderpour, H., Kheyroddin, A., (2012) Dominant Pulse Simulation of Iranian Near-Fault Records During 1978 Tabs and 2003 Bam Earthquakes, *Civil Journal of Sharif*, Accepted in 2012 August 6 (in Persian).
- A Kheyroddin, F Mehrabi “ Assessment of progressive collapse potential of steel frame due to sudden corner column loss” *Wulfenial Journal* , Vol 19, No. 10. 2012.
- Naderpour, H., Kheyroddin, A., (2011), Investigation of the Shear Lag in RC Tall Buildings with Tubular Systems, *Journal of Modeling in Engineering*, Vol. 9, No. 26.
- A.Mortezaei , H. R Ronagh, A.Kheyroddin, Gh Ghodrati Amiri, (2011),“Effectiveness of Modified Pushover Analysis Procedure for the Estimation of Seismic Demands of Building Subjected to Near-Fault Earthquakes Having Forward Directivity. *The Structural Design of Tall and Special Buildings*. 20(6): 679-699.
- Naderpour, H., Kheyroddin, A., Ghodrati Amiri, G., Hoseini Vaez, S.R., (2011), “Estimating the Behavior of FRP-Strengthened RC Structural Members Using Artificial Neural Networks” *Journal of Procedia Engineering* (Elsevier), Vol. 14.
- S.M. Khatami, **A. Kheyroddin**, The Effect of Flange Thickness on the Behavior of Flanged-Section Shear Walls, *Procedia Engineering*, Volume 14, 2011, Pages 2994-3000.

- H. Naderpour, **A. Kheyroddin**, G. Ghodrati Amiri, S.R. Hoseini Vaez, Estimating the Behavior of FRP-Strengthened RC Structural Members Using Artificial Neural Networks, *Procedia Engineering*, Volume 14, 2011, Pages 3183-3190.
- **A. Kheyroddin**, H. Naderpour, G. R. Ghodrati Amiri. S. R. Hoseini Vaez, Influence of Carbon Fiber Reinforced Polymers on Upgrading Shear Behavior of RC Coupling Beams, *Iranian Journal of Science and Technology, IJST, Transactions of Civil Eng*, 2011, . Vol.35 No. C2. Pp 155-169.
- A. Mortezaei, H.R. Ronagh, **A. Kheyroddin**, Seismic Evaluation of FRP Strengthened RC Buildings Subjected to Near-fault Ground Motions Having Fling Step, *Composite Structures*, Volume 92, Issue 5, April 2010, Pages 1200-1211.
- H. Naderpour, **A. Kheyroddin**, G. Ghodrati Amiri, Prediction of FRP-Confined Compressive Strength of Concrete Using Artificial Neural Networks, *Journal of Composite Structures*, Volume 92, Issue 12, November 2010, Pages 2817-2829.
- **A. Kheyroddin**, M. H. Saghafi, S. Safakhah, Strengthening of Historical Masonry Buildings with Fiber Reinforced Polymers (FRP), *Advanced Materials Research*, 2010, VOL.133-134, pp903-910.
- **A. Kheyroddin**, A. Mortezaie, Size Effects in Reinforced Concrete Flanged Shear Walls, *International Journal Civil Engineering* ,Vol.7 ,No.1, March 2009, pp 27-40.
- Kheyroddin, A., Naderpour, H., Hoseini Vaez, S.R. (2009), "Proposing a Relationship for Calculating the Strength of Confined Concrete for Bridge RC Columns Strengthened with FRP", *Journal of Transportation Engineering*, Vol. 1, No.1 (in Persian).
- Kheyroddin, A., and Naderpour, H., (2009), "Nonlinear Behavior of RC Beams with High Strength Concrete", *Journal of School of Engineering*, Vol. 21, No. 1 (in Persian).
- Kheyroddin, A., Hoseini Vaez, S.R., and Naderpour, H. (2008). "Numerical Analysis of Slab-Column Connections Strengthened with Carbon Fiber Reinforced Polymers", *Journal of Applied Sciences*, Volume 8, No 2, pp. 420-431.
- **A. Kheyroddin**, H. Naderpour, "Nonlinear Finite Element Analysis of Composite RC Shear Walls", *Iranian Journal of Science & Technology* ,Transaction B, Engineering ,Vol32 ,No B2 ,April 2008 ,p p 79-89.
- **A. Kheyroddin**, A. Mortezaie, "The Effect of Element Size and Plastic Hinge Characteristics on Nonlinear Analysis of RC Frames", *Iranian Journal of Science & Technology* ,Transaction B, Engineering ,Vol.32, No B5, Oct. 2008 , pp. 451-470.
- **A. Kheyroddin**, A. Mortezaie, "Nonlinear Analysis of RC Flanged Shear Walls Considering Tension-Stiffening Effect", *Journal of Applied Sciences* 8(3), 2008, pp. 394-406.

- **A. Kheyroddin**, H. Naderpour, “Plastic Hinge Rotation Capacity of Reinforced Concrete Beams”, International Journal of Civil Engineering-March 2007, No. 1, Vol. 15.
- Kheyroddin, A., Naderpour, H. (2007). "Plastic Hinge Rotation Capacity of Reinforced Concrete Beams", International Journal of Civil Engineering (IJCE), Volume 5, No.1.
- **A. Kheyroddin**, H. Naderpour, S. R. Hoseini Vaez, “Numerical Analysis of Polymers Slab-Column Connections Strengthened with Carbon Fiber Reinforced”, Journal of Applied Sciences 8 (3), 2007.
- **A. Kheyroddin**, A. Mortezaie, “Investigation of Nonlinear Behavior of T-Shaped Shear Walls”, International Journal of Civil Engineering, 2004, 2(1): pp. 32-44.
- **A. Kheyroddin**, “Short-Term Deflection and Flexural Rigidity of Reinforced Concrete Beams”, International Journal of Engineering Science, 2002.
- M.A. Shayanfar, **A. Kheyroddin**, M.S. Mirza, “Element Size Effects in Nonlinear Analysis of Reinforced Concrete Members”, Computers & Structures, Volume 62, Issue 2, 1997, Pages 339-352.

International Conference Papers :

- Kaviani, A., Dabiri, H. and Kheyroddin, A., The Effect Of Ductility on the Weight of Designed Reinforcement Bars in RC Beam Element According To ACI 318-05, CSA A23,3-04 And Euro Code 8: BS EN1988-1:2004, International Conference on Engineering Sciences, Art and Law, 14-15 April, 2015, Barcelona, Spain.
- Dabiri, H., Kaviani, A. and Kheyroddin, A., (2015), Comparison of the Weight of Reinforcement Bars in RC Structures According to ACI, CSA And EURO Codes Considering the Ductility Effect, International Conference on Human, Architecture, Civil Engineering and City, 15 June 2015, Tabriz, Iran.
- A. Khalili, E. Emamee, A. Kheyroddin, Nonlinear behavior of RC frames strengthened with steel gusset plates and curbs, 7th International Conference of Seismology and Earthquake Engineering (SEE7), May 2015, Tehran, Iran.
- Beiraghi, H., Kheyroddin, A., and Kafi M.A., "Investigation the behavior of tall RC core walls subjected to higher mode of vibrations", 6th National Concrete Conference, September 2014, Tehran, Iran.
- Dabiri, H., Kaviani, A. and Kheyroddin, A., Axial Force-Moment Interaction Diagrams to Calculate Shear Wall Reinforcement, International Conference on Engineering, Art Management and Environmental, 11-12 December, 2014, Szczecin, Poland.

- **A. Kheyroddin**, H. Saberi, V. Saberi, Comparison of Designed Proposed Equations in effect of Earthquake on Segmental Lining of Mechanized Tunnels, 7th International Congress on Civil Engineering, 7-8 May 2013, Iran.
- **A. Kheyroddin**, V. Saberi, H. Saberi, A. Firouzi, Review of Influence of Grouting on Moment Capacity of Post-tensioned Concrete Beam due Corrosion, 7th International Congress on Civil Engineering, 7-8 May 2013, Iran.
- Kheyroddin, A., Naderpour, H., Ahmadi, M., (2013), Performance of Circular Concrete Filled Steel Tube Members Subjected to Axial Loading, 4th International Conference on Concrete & Development, Tehran, Iran.
- Arab Naeini, M., Kheyroddin, A., Naderpour, H., and Arab Naeini, R., (2013), Optimization of Post-Tensioned Concrete Box Girder Double-Track Railway Bridges Using Genetic Algorithm, 3rd International Conference on Recent Advances in Railway Engineering (ICRARE-2013).
- Beiraghi, H., Kheyroddin, A., "Behavior of tapered tall buildings including sloped columns", 4th International Conference on Concrete and Developments, April 2013, Tehran, Iran.
- Beiraghi, H., Kheyroddin, A., "Comparison of the shear lag of framed tube and bundled tube systems in RC tall buildings", 5th National Concrete Conference, September 2013, Tehran, Iran.
- Beiraghi, H., Kheyroddin, A., "Effect of outrigger on the tall RC core wall plus framed tube system subjected to wind load ", 5th National Concrete Conference, September 2013, Tehran, Iran.
- Arab Naeini, M., Kheyroddin, A., Naderpour, H., and Arab Naeini, R., (2013), Effect of Live Loads of Iran and AASHTO Codes on Optimum Design of Prestressed Concrete Bridge Superstructures Using Genetic Algorithm, 1st National Conference on Transportation Infrastructures, February 12-13, Tehran, Iran.
- Hoseini Vaez, S.R., Naderpour, H. Kheyroddin, A., (2012), An Investigation on the Effect of Core on Shear Lag in Tubular Structures, 9th International Congress on Civil Engineering, May 8-10, Isfahan, Iran.
- Naderpour, H., Kheyroddin, Arab Naeini, M. (2012), Retrofitting of RC Bridges as one of the Major Lifelines after Earthquake Occurrence and Disaster Management, Second National Conference on Disaster Management, June 19-20, Tehran, Iran.

- Ahmadi, M., Kheyroddin, A., Naderpour, H. (2012), Concrete Confinement in Steel-Concrete Circular Columns, Second National Conference on Disaster Management, June 19-20, Tehran, Iran.
- Beiraghi, H., Kheyroddin, A., parvini, H., "The effect of structural system on the optimum location of the outriggers", Second National Conference on Structure-earthquake-Geotechnique, December 2012, Babol, Iran.
- Beiraghi, H., Kheyroddin, A., "The effect of column slope on the behavior of tall steel structures", Second National Conference on Structure-earthquake-Geotechnique, December 2012, Babol, Iran..
- Khatami, S.M., Naderpour, H., Hoseini Vaez, S.R. (2011), The Effects of Columns Shapes in RC Building under Near Fault Ground Motions, First International Conference on Urban Construction in the Vicinity of Active Faults, September 3-5, Tabriz, Iran.
- Naderpour, H., Ghodrati Amiri, G., Kheyroddin, A., Hoseini Vaez, S.R., (2011), Seismic Evaluation of Retrofitted RC Frames Using Neuro-Fuzzy Algorithms, 8th International Conference on Structural Dynamics (EURODYN 2011), Leuven, Belgium, July 4-6.
- Naderpour, H., Kheyroddin, (2011), "Seismic Evaluation of Available Retrofitting Methods for Non-Ductile RC Frames Using ANNs", 6th International Conference on Seismology and Earthquake Engineering, May 16-18, Tehran, Iran.
- Hoseini Vaez, S.R., Naderpour, H. Kheyroddin, A., (2011), "Effective Structural Parameters Affecting on Seismic Behavior of Flat-Slab Buildings", 6th National Congress on Civil Engineering (6NCCE), Semnan University, Semnan, Iran, April 26-27.
- Naderpour, H., Kheyroddin, A., Sharbatdar, M.K., Ghodrati Amiri, G., Hoseini Vaez, S.R., (2011), "Prediction of FRP Contribution to the Shear Resistance of RC Beams Using Artificial Neural Networks", 6th National Congress on Civil Engineering (6NCCE), Semnan University, Semnan, Iran, April 26-27.
- Beiraghi, H., Kheyroddin, A., "Investigation of the RC tall buildings with inclined columns", Second National Concrete Conference, September 2011, Tehran, Iran.
- Beiraghi, H., Kheyroddin, A., "Effect of infill masonry walls on occurrence of soft story in RC structures", First National Conference in Concrete Industry, May 2011, Kerman, Iran (In Persian).
- Naderpour, H., Kheyroddin, A., Ghodrati Amiri, G., Hoseini Vaez, S.R. (2010), "Using Artificial Neural Networks for Estimating the Behavior of RC Structures Retrofitted with

FRP”, 14th European Conference on Earthquake Engineering, Ohrid, Republic of Macedonia, Aug.30 - Sep.03.

- Khatami, S.M., Kheyroddin, A., Naderpour, H. (2010), “Nonlinear Behavior of RC Shear Walls Strengthened with Steel Plates”, 12th Concrete and Earthquake Convention Conference (ACI, Iran Chapter), Tehran, Iran, March 5-6.
- Naderpour, H., Hoseini Vaez, S.R., Kheyroddin, A., Ghodrati Amiri, G., (2009), “Nonlinear Dynamic Response of Reinforced Concrete Coupling Beams Externally Bonded with FRP Sheets”, 9th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures, Four Points Darling Harbour, Sydney, Australia, , July 13–15.
- Naderpour, H., Kheyroddin, A., Ghodrati Amiri, G., Hoseini Vaez, S.R. (2009), “Investigation the Seismic Behavior of FRP-Strengthened RC Frames”, 9th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures, Four Points Darling Harbour, Sydney, Australia, July 13–15.
- Naderpour, H., Kheyroddin, A., Hoseini Vaez, S.R. (2009), “Investigation the Effect of FRP Sheets on Seismic Behavior of Reinforced Concrete Frames and Distribution of Plastic Hinges”, 3rd International Conference on Concrete & Development, Tehran, Iran. April 27-29.
- Naderpour, H., Kheyroddin, A., Hoseini Vaez, S.R. (2008), "Nonlinear Behavior of RC Shear Walls Externally Bonded with FRP Sheets", 4th International Conference on FRP Composites in Civil Engineering, CICE2008, Zurich, Switzerland, July 22-24.
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