



CURRICULUM VITAE

HOSSEIN PAHLAVAN

1. Personal Information

Name: Hossein
Family name: Pahlavan
Profession: Assistant Professor
Date of Birth : November 20, 1978
Citizenship : Iranian
Languages : Persian, English
Address: Department of Civil Engineering
Shahrood University of Technology, Shahrood, IRAN
Post box 3619995161
Mobile: +98-9111132604
E-mail: Pahlavan @ Shahroodut.ac.ir

2. University Education

Ph.D. (2011-2015)

Earthquake Engineering, Iran University of Science & Technology, Tehran, IRAN.

Supervisors: Prof. Ghodrati Amiri & Dr. Shayanfar

Thesis: “Probabilistic Seismic Vulnerability Assessment of Retrofitted Curved Multi-frame RC Box-girder Bridges”

M.Sc. (2004-2007)

Earthquake Engineering, Iran University of Science & Technology, Tehran, IRAN

Supervisors: Prof. Ghodrati Amiri

Thesis: “Performance-Based Seismic Assessment and Rehabilitation of Existing Iranian RC Buildings”

B.Sc. (1996-2000)

Civil Engineering, Department of Civil Engineering, University of Gilan, Rasht, IRAN

3. Honors and Awards

- Accepted in the Nationwide Exam, Scholarship for Ph.D. study on abroad, Iran Ministry of Science, Research and Technology, 2010

4. Languages

- *English*
 - *IELTS* Score: 6.5 exam date : July 15, 2010
(Reading6/Listening7/Speaking6.5/Writing6)
- *Persian (Mother tongue)*

5. Employments

- Assistant Professor, Department Of Civil Engineering, Shahrood University of technology, IRAN (2015-present)
- University lecturer and Dean, Department Of Civil Engineering, Pardisan University (2007-2015)
- Head of Iranian Construction Engineers Organization, Babolsar, IRAN (2012-2014)

6. Professional Memberships

- *Earthquake Engineering Research Institute (EERI) Tehran, Iran (2000-present)*
- *Iranian Construction Engineers Organization, Mazandaran, Iran, (Grade 1) (2000-Present)*
- *Scientific committee, 1st, 2nd & 3rd National Conference on Rehabilitation, Iran (2008-2012)*
- *Research committee of Iranian Construction Engineers Organization, Mazandaran, Iran(2009-2012)*

7. Academic Experience

B.Sc. Level Teaching :

- *Fundamental of Earthquake Engineering*
- *Concrete Structures Design*
- *Retrofitting of Structures*
- *Bridge Engineering*
- *Structural Loading*

M.Sc. Level Teaching

- *Performance-Based Earthquake Engineering (PBEE)*
- *Seismic Design of RC and Steel Structures*
- *Tall buildings*

8. Research Interests

- *Probabilistic Vulnerability Assessment of structures & Bridges - Fragility curve Development*
- *Performance-Based Earthquake Engineering (PBEE) (Structures & Bridges)*
- *Rehabilitation and Retrofitting of Existing Structures & Bridges*
- *Seismic Hazard Analysis*

9. Computer Skills:

Opensees -Perform 3D- Matlab

Sap17 – Etabs 2015 – Safe2014– Csi Bridge-Liquefy-Csi Col-...

10- Structural Design Experiences (selected projects)

Structural Design of High-rise Buildings including:

- *Nili 22 story Rc Tower, Sorkhrood, 2016*
- *Samen Bank 40 story Rc Tower, Babolsar, 2015*
- *Danial 35 story Tower, Babolsar, Iran, 2014*
- *MahestanII 28 story Rc Tower, Babolsar, 2013*
- *MSA 30 story Tower, Babolsar, Iran, 2013*
- *Forozan 25 story Tower, Sorkhrod, Iran, 2012*
- *2nd Afson 15 story Tower, Babolsar, Iran, 2009*
- *Mahestan 20 story Tower, Babolsar, Iran, 2008*
- *Samin 15 story Tower, Babolsar, Iran, 2006*

11. Publications

11.1. BOOKS

- 1- *Probabilistic seismic vulnerability assessment of RC bridges using Open SEES - 2016*
- 2- *Proceedings of 1st, 2nd and 3rd Nation Conference on structure, Earthquake and Jeotechnics , Babolsar , Iran -2010, 2011 and 2013.*

11. 2. Journal papers (ISI)

1. **Pahlavan H., Zakeri B., Ghodrati Gh., Shaianfar M.** (2015) "Probabilistic Vulnerability Assessment of Horizontally Curved Multi-Frame RC Box-Girder Bridges" *ASCE, Journal of performance of constructed facilities*, Publisher: American Society of Civil Engineers DOI: 10.1061/(ASCE) CF.1943-5509.0000780.
2. **Pahlavan H. Shayanfar, M., Ghodrati Gh., Pahlavan M.,** (2015) "Probabilistic seismic vulnerability assessment of the structural deficiencies in Iranian in-filled RC frame structures" *JVE, Journal of Vibroengineering*. Vol. 17, Issue 5, 2015, p. 2444 2454.
3. **Pahlavan H. Ghodrati Gh. Zakeri B., Shaianfar M.** (2016) "Probabilistic Vulnerability Assessment of retrofitted Horizontally Curved Multi-Frame RC Box-Girder Bridges" *Journal of Earthquake and Tsunami. (In Press)*
4. **Vaseghi J., Pahlavan H. Rahati S.** (2015) "The Effect of Near-Fault Earthquake on Seismic Behavior of RC Buildings" *Journal of Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis. ISSN: 12118516 Accepted 22 December 2015.*
5. **Hedayaty R., Pahlavan H. Ghodrati Gh.** (2016) "Seismic Fragility Assessment of Structural Deficiencies in Typical SD-RC Box-Girder Highway Bridges in Tehran" *Journal of Earthquake and Tsunami. (In Review)*

11.3. Conference papers :

35. **Pahlavan H.** Kheradmandi. Barahoi M. " Probabilistic Vulnerability assessment of horizontally Curved retrofitted Bridges " 1st national conference on hydraulic structures, Babolsar, Iran, 2015
34. **Pahlavan H.** Ghodrati Gh. Zakeri B. " Probabilistic Vulnerability assessment of horizontally Curved Multi Frame Box-Girder Bridges " 7th International Conference on seismology and Earthquake Engineering (SEE7), Tehran, Iran, 2015
33. Naseri A., **Pahlavan H.**, Ghodrati Gh. "Fragility-Based Seismic Assessment of Iranian existing RC structures" 7th International Conference on seismology and Earthquake Engineering (SEE7), Tehran, Iran, 2015
32. **Pahlavan H.** Kheradmandi. Shaianfar M. " Probabilistic Vulnerability assessment of horizontally Curved Multi Frame Box-Girder Bridges Retrofitted with column steel jacketing " 2nd International Architectural and urban designing, Tabriz, Iran, 2013
31. **Pahlavan H.** pahlavan M., Ghodrati Gh., "Probabilistic Vulnerability Assessment of in filled RC frame structures considering structural deficiency" 10th international congress on civil engineering, Tabriz, Iran, 2014
30. **Pahlavan H.** pahlavan M., Ghodrati Gh., " Vulnerability Assessment of in filled RC frame structures retrofitted with FRP" 1st national conference on future buildings, Sari, Iran, 2013
29. Naseri A., **Pahlavan H.**, Ghodrati Gh. "Fragility-Based Seismic Assessment of Iranian existing RC structures" 1st national conference on future buildings, Sari, Iran, 2013
28. **Pahlavan H.**, Karimi H., Gholampour S. " Vulnerability assessment of irregular RC building retrofitted with shear walls " 2nd International Architectural and urban designing, Tabriz, Iran, 2013
27. **Pahlavan H.**, Karimi H., Gholampour S. "Dynamic behavior of irregular RC building" 2nd International Architectural and urban designing, Tabriz, Iran, 2013
26. Naseri A., **Pahlavan H.**, Ghodrati Gh. "Fragility-Based Seismic Assessment of short Iranian existing RC structures" 2ND National conference on Structure, Earthquake, Geotechnics, Babolsar, Iran, 2012
25. Naseri A., **Pahlavan H.**, Ghodrati Gh. "Fragility-Based Seismic Assessment of short Iranian existing RC structures" 2nd International Architectural and urban designing, Tabriz, Iran, 2013
24. J. Vaseghi, **Pahlavan H.**, A. Gholipor " Performance based Seismic assessment of existing RC Structures Retrofitted with various techniques", 7th National congress on Civil engineering, Zahedan, Iran, 2013(in Persian)
23. J. Vaseghi, **Pahlavan H.**, A. Gholipor, "Nonlinear Dynamic behavior of RC Structures strengthened with shear wall", 2ND National conference on Structure, Earthquake, Geotechnics, Babolsar, Iran, 2012 (in Persian)

22. A. Gholipor, **Pahlavan H.**, "The effect of using Shape Memory Alloys (SMAs) in the seismic behavior of shear walls " 2ND National conference on Structure, Earthquake, Geotechnics, Babolsar, Iran, 2012(in Persian)
21. H. Abaspor, **Pahlavan H.**, " Dynamic behavior of Reinforced Concrete Structures with Infill panels ", 2ND National conference on Structure, Earthquake, Geotechnics, Babolsar, Iran, 2012 (in Persian)
20. **Pahlavan H.**, M. Modirkhazeni, " Seismic Retrofitting of Steel Structures with Dual systems with Base isolators " National conference on retrofitting, Arak, Iran, 2011(in Persian)
19. S.R.Mirghaderi, H.yosefpour, **Pahlavan H.** "Evaluation of Nonlinear Seismic Behavior of RC Tunnel-Form Buildings", 6th International Conference on seismology and Earthquake Engineering (SEE6), Tehran, Iran, May 2011
18. A. Ebrahimi, **Pahlavan H.** "Evaluation Of Mechanical And Leaching Properties Of Cement Solidified Hospital Solid Waste Incinerator Fly ash", 1st International Conference on Non osmotic Concrete, Guilan, Iran,May 2011
17. F. Amini, **Pahlavan H.**, M. Modirkhazeni, "Retrofitting of Structures with Base isolation systems", 1st National conference on Structure, Earthquake, Geotechnics, Babolsar, Iran, December 2010 (in Persian)
16. **Pahlavan H.**, M. Taherian, " Seismic Retrofitting of Reinforced Concrete Structures with Dual wall and frame systems ", 1st National conference on Structure, Earthquake, Geotechnics, Babolsar, Iran, December 2010 (in Persian)
15. H. Shafii, **Pahlavan H.** "Lightening of buildings with LEED precast systems", International conference on lightweight construction and earthquake, April 2010, kerman, Iran(in Persian)
14. **Pahlavan H.**, F.rafiee, H. yosefpour "Seismic control and Retrofitting of 2story rural Reinforced Concrete Structures with intermediate Sway Frames", international conference on rural settlement, Tehran, Iran, May 2010 (in Persian)
13. **Pahlavan H.**, A. Mehdiabar "Economic design of space frames" 3rd National conference on retrofitting, Arak, Iran, May 2010 (in Persian)
12. N. Latifi, **Pahlavan H.** "Static slop stability of Alborz Dam" 3rd national conference on retrofitting, Arak, Iran, May 2010 (in Persian)
11. S.R.Mirghaderi, A.S. Moghaddam, **Pahlavan H.**, H.yosefpour" Seismic Behavior of RC Tunnel-Form Buildings", 2nd International Conference on Seismic Retrofitting with the focus on Concrete Technology,Tabriz, Iran (2009) (in Persian)
10. H.Shafii, **Pahlavan H.** "Application of refractory concrete in Earthquake resistant buildings " 2nd International Conference on Seismic Retrofitting, Tabriz, Iran (2009)(in English)
9. H.Shafii, **Pahlavan H.**, M. Moazeni" Application of refractory concrete in Earthquake resistant buildings" 2nd national Conference on rehabilitation, Khomein, Iran(2009) (in persian)
8. **Pahlavan H.**, H. Shafii, E. Alinejad" Siesmic behavior of concrete structures with Dual wall and frame systems ", 2nd National Conference on rehabilitation, Khomein, Iran (2009) (in Persian)

7. *J. Jalali, Pahlavan H., H. Shafii "strengthening structures in liquefaction by using of vertical sandy drains", 2nd national Conference on rehabilitation of structures, Khomein, Iran(2009)*
6. *Ghodrati GH., Pahlavan H. "Seismic control of concrete structure's lateral system in saving occupant's life," National Conference on seismic rehabilitation, Sari, Iran(2008) (in Persian)*
6. *Pahlavan H. "optimum procedure for retrofitting of residual structures in liquefactions " National Conference on seismic rehabilitation of structures, Sari, Iran (2008)(in Persian)*
4. *Ghodrati GH., Pahlavan H., H. Shafii "Seismic Retrofitting of Reinforced Concrete Structures with intermediate Sway Frames" 1st International Conference on Seismic Retrofitting, Tabriz, Iran(2008)(in Persian)*
3. *Ghodrati GH., Pahlavan H. "Recent procedures for mitigation of liquefaction in north of Iran's residual areas", 1st national Conference on civil engineering, Khomein, Iran (2008)*
2. *Pahlavan H... H. Shafii " Empirical economic solutions for mitigation of liquefaction in residual buildings, National Conference on seismic rehabilitation of structures, Behbahan, Iran (2007)(in Persian)*
1. *Pahlavan H. "Considerations for design of lightweight aggregate concrete structures, Kashan, Iran (2000)(in Persian)*