

- **PERSONAL**

Date of Birth : 1958

Place of Birth : Yazd / Iran

Nationality : Iranian

Marital Status:Married

- **EDUCATION**

Degree	: B. S. in Civil Eng.	M.S. in Structural Steel Design	Ph. D. in Ocean Eng.
Institution:	Sharif Univ. of Technology	University of London	University of London
	Tehran - Iran	London - England	London - England
Year	: 1984	1985	1989

- **FIELD OF SPECIALITY**

Analysis and design of offshore structures

Dynamic analysis and seismic design of steel structures

- **ACADEMIC TEACHING EXPERIENCE**

Date	College		Courses
1989 - Now	Tarbiat	Modares University,	Dynamics of Structures I,II, Earthquake Engineering, Offshore Structures , Structural Stability, Design of Steel Structures, Mechanics of Solids, Loading,
	Tehran, Iran		

## · ACADEMIC POSITIONS HELD

Date	College	Courses
1990-1992	Tarbiat Modares University	Manager of Structural Eng. Division
1992-1994	Tarbiat Modares University	Vice-President in development projects
1996-1998	Tarbiat Modares University	Manager of Structural Eng. Division
1998-2000	Tarbiat Modares University	Head of Civil Eng. Department
2000	University of British Columbia	Visiting Professor
2001-2003	Tarbiat Modares University	Manager of Earthquake Eng. Division
2005-2007	Tarbiat Modares University	Manager of Structural Eng. Division
2014-Now	Tarbiat Modares University	Manager of Structural Eng. Division

## · PROFESSIONAL EXPERIENCE

Date	Institution	Job Description
2004-2009	Tarbiat Modares University	Consultant to Management and Planning Organization and her affiliated companies as a member of advisory board for seismic retrofit of main buildings and lifelines
1989 - 2012	Tarbiat Modares University	Consultant to National Iranian Oil Company and her affiliated companies for analysis, design, construction and renovation of several offshore projects including :Slaman Renovation Project, Aboozar Complex Renovation Project, South Pars Phase 1 Wellhead platforms, Balal Field Development Project, Salman New Development Project, Resalat Renovation FEED study
1986 - 1989	University of London - Marine Technology Center	Research assistant

## · MEMBERSHIP

Date	Institution	Type of Membership
1994 - now	Iranian Society of Earthquake Eng.	Member and Founder,
1998 - now	National Building Code, Iran	President 1999-2001 Member of two committees responsible for preparation of Chapter 6 (Loading) &

1996 - now	Permanent Committee of Iranian Standard for Design of Earthquake Resistant Structures (Standard 2800)	Chapter 10 (Design of Steel Structures) of National Building Code Member
1995- now		
2000-now	Iranian Society of Civil Eng. Iranian Association of Naval Architecture & Marine Engineering	Member Member of association and editorial board of the Journal of Marine Engineering

## • PUBLICATIONS

### • Books

1. Aghakouchak A. A. et al "Experiences and Lessons Learned on Seismic Rehabilitation" Elm & Adab Publishers, (In Persian), 2010
2. Aghakouchak A.A; Majid Zamani S. "Commentary on the 2nd. Edition of Iranian Standard for Seismic Design of Buildings, Standard 2800" National Committee for Natural Disaster Reduction (NCNDR), ISBN964-308-041-2, (In Persian), 2003

### • Journal Papers

1. Gholami KORZANI M ; Aghakouchak A. A "Soil-Structure Interaction Analysis of Jack-up Platforms Subjected to Monochrome and Irregular Waves" *China Ocean Eng.*, Vol. 29, No. 1, pp. 65 - 80; 2015
2. Kaveh A; Aghakouchak A.A.; Zakian P "Reduced record method for efficient time history dynamic analysis and optimal design" *Earthquakes and Structures*, Vol. 8, No. 3 (2015) 637-661
3. Mirzabagheri S; Sanati M; Aghakouchak A.A.; Khadem S.E. "Experimental and numerical investigation of rotational friction dampers with multi units in steel frames subjected to lateral excitation" *Archives of Civil and Mechanical Engineering* 15 ( 2015 ) 479 - 491
4. Garivani S; Aghakouchak A. A.; Soltani Mohammadi M "Effects of strengthening the masonry infills by reinforced shotcrete on seismic behavior of steel frames with Khorjeeni connections and their elements" *Modares Civil Engineering Journal*. Vol. 13, No.3 Autumn 2013 (In Persian)
5. Alipour M; A; Aghakouchak A. A " Numerical analysis of the nonlinear performance of concentrically braced frames under cyclic loading" *Int. J. of Steel Structures*, Vol 13, No3, Sept 2013, pp401-419
6. Rahimi S; Soltani Mohammadi M; Aghakouchak A. A. "Simulation of the interaction effects of infill panels- concrete frames on the progressive collapse potential" *Modares Civil Engineering Journal*. Vol. 13, No.2, Summer 2013 (In Persian) pp 37-50
7. Naderpour N; Aghakouchak A. A. "The Effects of beam characteristics on seismic behavior of chevron braced frames with different configurations" *Modares Civil Engineering Journal*. Vol. 13, Supplement, Spring

2013 (In Persian) pp 185-194

8. Amiri H.R; Aghakouchak A. A; Shahbeyk S.; Engelhardt M.D.” Finite Element Simulation of ultra low cycle fatigue cracking in steel structures” *J. of Constructional Steel Research* 89 (2013) pp 175-184
9. Mahdavi J; Aghakouchak A. A; Komak Panah A. “Improving seismic performance of pile supported wharves using seismic isolators” *Journal of Marine Engineering, IANAME*, Vol 8, No. 16, Fall & Winter 2012, pp 79-94(In Persian)
10. Seddighian Kashani M. R; Aghakouchak A. A “I beam to Box column rigid connection without internal continuity plate for column tree construction” *Structure & Steel*, Vol 8, Spring and Summer 2012, pp- 5-15, (In Persian)
11. Garivani S; Aghakouchak A. A “A formula for calculating vertical stiffness of Khorjeeni connection” *Structure & Steel*, Vol 8, Spring and Summer 2012, pp- 109- 118, (In Persian)
12. Dehghani E; Daneshjoo F; Aghakouchak A. A.; Khaki N. “ A new bond-slip model for adhesive in CFRP-steel composite systems” *Engineering Structures*, Vol 34, 2012, pp 447-454
13. Sazmand E; Aghakouchak A. A; Mazrouei A “ The effect of panel zone on lateral behavior of Steel MR Frames Composed of Built-up Columns” *Structure & Steel*, Special issue, Winter 2012, pp-41-52, (In Persian)
14. Daei B; Aghakouchak A. A “ Assessment of nonlinear static procedures for determination of target displacement in asymmetric buildings” *Advances in Structural Engineering*, Vol 15, No. 8, August 2012, pp1265-1279
15. Majid zamani S; Vafaei A; Aghakouchak A. A; Kazemi MT “ Experimental Investigation of Steel Frames with single bays of Symmetrical Y-Shaped Concentric Bracings” *Scientia Iranica A*, Vol 19, No2, 2012, pp 195-210
16. Gholami Korzani M; Aghakouchak A. A “ Evaluating Dynamic Response of Jack-up Platforms in Granular Soil” *Journal of Marine Engineering, IANAME*, Vol 7, No. 14, Fall & Winter 2012, pp 1-17(In Persian)
17. Sazmand E; Aghakouchak A. A “Modeling of the Panel Zone in Steel MR Frames Composed of Built-up Columns” *J. of Constructional Steel Research* 77 (2012) pp 54-68
18. Garivani S; Aghakouchak A. A.; Soltani Mohammadi M “Effects of masonry infills on seismic behavior of steel frames with Khorjeeni connections and their elements ” *Modares Civil Engineering Journal*. Vol. 12, No.1, Spring 2012 (In Persian)
19. Majid zamani S; Vafaei A; Aghakouchak A. A “ Experimental Investigation of Steel Frames Braced with Symmetrical Pairs of Y-Shaped Concentric Bracings” *Int. J. of Steel Structures*, Vol 11, No2, June 2011, pp117-131
20. Ranaei A; Aghakouchak A. A” Analysis of offshore pipeline during transportation to installation site by surface tow method” *Journal of Marine Engineering, IANAME*, Vol 7, No. 14, Spring & Summer 2012, pp 1-14(In Persian)
21. Jahanpour A; Moharrami H; Aghakouchak A. A “Evaluation of ultimate capacity of semi-supported steel shear walls” *J. of Constructional Steel Research* 67 (2011) pp 1022-1030
22. Azizi H; Aghakouchak A. A; Soltani Mohammadi M “ Seismic analysis of the in-plane behavior of masonry walls retrofitted with RC overlay” *International Journal of Engineering Science*. No. 10A, Vol 19 , 2009, pp 157-166 (In Persian)
23. Ataei Sh.; Aghakouchak A. A.; Marefat M. S.; Mohammadzadeh S. “ Finite element model updating of a railway bridge using artificial neural networks” *Modares Technical and Engineering Journal* , ,Vol 33, Fall

2008, pp 83-93 (In Persian)

24. Jafarzadeh R; Aghakouchak AA; "Evaluation of deflection and displacement amplification factor in steel concentrically braced frames( CBF) and steel ordinary moment resisting frames (OMRF) " *International Journal of Engineering Science*. No. 2, Vol 19 Summer 2008, pp 1-14 (In Persian)
25. Homami P; Aghakouchak AA; "Seismic reliability analysis of moment resisting steel frames" *Journal of Seismology and Earthquake Engineering*. No. 4, Vol 9 Winter 2008, pp 183-192 (In Persian)
26. Dehghani Ashkezari G; Aghakouchak A A; Kokabi M; "Design, manufacturing and evaluation of the performance of steel like fiber reinforced elastomeric seismic isolators" *Journal of Materials Processing Technology*, Vol 197, No 1-3, Feb2008, , pp 140-150
27. Dehghani Ashkezari G; Aghakouchak A A; Kokabi M; "Experimental investigation of the performance of fiber reinforced elastomeric seismic isolators" *Journal of Faculty of Engineering*, Vol 41, No 6, Jan2008, , pp 739-752 (In Persian)
28. Golbahar Haghighi M; Aghakouchak A A; "Analysis of marine pipelines subject to earthquake wave propagation and seismic faults " *Journal of Marine Engineering, IANAME*, Vol 3, No. 5, Winter 2007, pp 1-11(In Persian)
29. Fathi A; Aghakouchak A. A. " Prediction of fatigue crack growth rate in welded tubular joints using neural network" *International Journal Of Fatigue* Elsevier ,Vol 29, Issue 2, February 2007, pp 261-275
30. Asgarian B; Aghakouchak A A; Bea R.G. "Nonlinear Analysis of Jacket Type Offshore Platforms Using Fiber Elements " *J. of Offshore Mechanics and Arctic Engineering*, ASME, Vol 128, August 2006, pp 224-232
31. Aghakouchak AA; Ghasemi A; Veshkini P " Behaviour Factor for Steel Frames with Saddle-Like (Khorjeeni) Connections " *Building Engineering and Housing Science Journal*. No. 6, Vol 3 Spring &Winter 2005, pp 17-30 (In Persian)
32. Ataei Sh.; Aghakouchak A. A.; Marefat M. S.; Mohammadzadeh S. " Sensor fusion of a railway bridge load test using neural networks" *Expert Systems with Application* , Elsevier ,Vol 29,2005, pp 678-683
33. Asgarian B; Aghakouchak A A; Bea R.G. "Inelastic Postbuckling and Cyclic Behavior of Tubular Braces" *J. of Offshore Mechanics and Arctic Engineering*, ASME, Vol 127, August 2005, pp 256-262
34. El Naggar M.H; Shayanfar, M.A.; Kimiaei, M; Aghakouchak A A " Simplified BNWF Model for Nonlinear Seismic Response Analysis of Offshore Piles with non-Linear Input Ground Motion Analysis" *Canadian Geotechnical Journal*, Vol 42, 2005, pp 365-380
35. ; Aghakouchak A A; Adl, M " Parametric Study of Spectral Fatigue Analysis of Connections in Fixed Offshore Platforms" *Amirkabir J. of Science and Technology* , Vol 15, No. 60-1, Winter 2004, pp133-147 (In Persian)
36. Kimiaei, M; Shayanfar, M.A.; El Naggar M.H; Aghakouchak A A " Simplified BNWF Model for Nonlinear Seismic Response Analysis of Offshore Piles with Linear Input Ground Motion Analysis" *International Journal Of Civil Engineering*, Vol2, No.1. June 2004, pp 123-139
37. Fathi A; Aghakouchak A A; "Evaluating the Fatigue Crack Growth Rate in Offshore Tubular Joints Using Artificial Neural Networks " *Journal of Marine Engineering, IANAME*, Vol 1, No. 1, Summer 2004, pp 1-11(In Persian)
38. Aghakouchak AA; Veshkini P " Experimental Study of Ductility of Steel Frames with Saddle-Like (Khorjeeni) Connections " *Modarres Technical and Engineering Journal*. No. 14, Winter 2004, pp 15-27 (In Persian)

39. Asgarian B.; Aghakouchak A.A "Modelling of nonlinear and postbuckling behaviour of tubular structural members using fiber element" *Journal of Faculty of Engineering*, University of Tehran, Vol 36, No.1, 2002 ,pp 35-46, (In Persian)
40. Aghakouchak A.A.; Stierner, S. F. " Fatigue reliability assessment of tubular joints of existing offshore structures" *Canadian Journal of Civil Engineering*, Volume 28, Number 4, August 2001, pp 691-698
41. Aghakouchak A. A.; Torkzadeh Mahani J " A Study of Ductility Demand of Steel Frames Using Non-Linear Dynamic Analysis" *International Journal of Engineering Science*, Special Issue, Civil Engineering, 2001
42. Mosayyebi, A.R.; Aghakouchak, A.A." Fatigue Reliability Analysis of Tubular Joints of Offshore Structures Using Response Surface Method" *Asian Journal of Civil Engineering* , Vol. 1, No. 1, January 2000, pp 75-87
43. Aghakouchack, A.A., Mosayyebi, A.R. "Fatigue Reliability Analysis of Tubular Joints of Offshore Structures Using The Principle of Maximum Entropy" *J. Of Scientia Iranica*, Vol 6, No3 & 4 ,Fall 1999, pp 213-218
44. Memari, A.M, Aghakouchack A.A., et al "Full-Scale Dynamic Testing of a Steel Building During Construction", *J. of Engineering Structures*, 21(12),1999, pp 1115-1127.
45. Jafari, A. M., Aghakouchack A.A., " Experimental Study Of Grading Effect on Stability of S-Shape Breakwaters," *Modarres Technical and Engineering Journal*, No. 3, Winter 1998, pp-1-9
46. Aghakouchak, A.A., Mosayyebi, A.R. " The Effect of Stress Intensity Factor on Reliability of Tubular Joints of Offshore Structures Subjected to Fatigue", *Amirkabir Journal of Science & Technology*, Vol. 9, No.35, 1997. (In Persian)
47. Aghakouchak, A.A. and Mahmoodi, M. "Evaluation of Dynamic Characteristics of Multi Story Buildings Using Forced Vibration Tests", *Amirkabir Journal of Science and Technology*, Vol 8, No.31, 1996. (In Persian)
48. Aghakouchak, A. A. " A Study of Dynamic Characteristics of A Multistory Building Using Ambient Vibration Tests" *Int. Journal of Engineering*, Vol 9, No. 1, February 1996.
49. Aghakouchak, A.A. and Vaseghi, J "Analysis of Crack Propagation Path in 2-D bodies" *Amirkabir Journal of Science and Technology*, Vol 6, No. 23, 1993. (In Persian)
50. Aghakouchak, A. A. ; Dharmavasan, S. ; Glinka, G. " Stress Intensity Factors for Cracks in Structures Under Different Boundary Conditions" , *J. of Engineering Fracture Mechanics*, vol. 37 No. 5, PP 1125- 1137, 1990

## • Selected Conference Papers

1. Aghakouchak A A " Recent research on seismic behavior of steel structures commonly used in Iran" Iran-US joint Seismic Workshop, December 18-20, 2012, Tehran, Iran
2. Ramazan Sefat H; Aghakouchak A A; Shahbek S "Behavior of Steel Intermediate Moment Frames Designed According to Iranian National Building Code Under Lateral Load" The 15th World Conference on Earthquake Engineering , Sep24-28, 2012, Lisbon, Portugal
3. Firouzi V; Aghakouchak A A; Zeinoddini M " Nonlinear Dynamic Analysis of Jacket Platforms Due to Ship Impact" The 2011 World Congress on Advances in Structural Engineering and Mechanics, Seoul, Korea, September 2011
4. Tork Ladani F; Aghakouchak A A " Combination of Variable Friction Pendulum System in Parallel with Lead Rubber Bearing for Near Fault earthquakes" Proceedings of 6th International Conference on Seismology and

Earthquake Engineering, Tehran, Iran, May 2011

5. Mirzabagheri S; Aghakouchak A A “ Efficiency of Rotational Friction Damper in Improving Seismic Behavior of Steel Structures” Proceedings of 6th International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 2011

6. Shakib H; Emadi A ; Aghakouchak A A “An investigation on the accuracy of push over analysis for estimating the seismic demands of the 3D buildings with set back” X International Conference on Computational Plasticity COMPLAS Barcelona, Spain 2009

7. Samadani S; Aghakouchak A A; Mirzadeh Niasar J “ Nonlinear Analysis of Offshore Platforms subjected to earthquake loading considering the effects of joint flexibility” Proc of 28th International Conference on Offshore Mechanics and Arctic Engineering, OMAE 2009, Honnulu, Hawaii, June 2009

8. Daei B; Aghakouchak A "Push over analysis for plan asymmetric buildings" Proceedings of the 8th International Congress of Civil Engineering, Shiraz, Iran, May 2009. (In Persian)

9. Amiri HR; Aghakouchak A " On the accuracy of Capacity Spectrum Method in determining target displacements in steel frames with saddle like connections" Proceedings of the 8th International Congress of Civil Engineering, Shiraz, Iran, May 2009. (In Persian)

10.Siawashpour S; Soltani Mohammadi M; Aghakouchak A "Fragility curves for valurenability assessment of equipment supports" Proceedings of the 8th International Congress of Civil Engineering, Shiraz, Iran, May 2009. (In Persian)

11.Jahanpour A; Moharrami H, Aghakouchak A " Ultimate capacity of thin steel shear walls partially restrained at the edges" Proceedings of the 8th International Congress of Civil Engineering, Shiraz, Iran, May 2009. (In Persian)

12.Aghakouchak A A, Asgarian B , Alanjari P; Assareh MA “Incremental Dynamic Analysis of Jacket Type Offshore Platforms Considering Soil-Pile Interaction” The 14th World Conference on Earthquake Engineering , October 12-17, 2008, Beijing, China

13.Zargar E; Aghakouchak A A; Aghakouchak A “ Nonlinear Response Analysis of fixed Offshore Platforms to seismic excitation including soil-pile-structure interaction” Proc of 27th International Conference on Offshore Mechanics and Arctic Engineering, OMAE 2008, Storil, Portugal, June 2008

14.Mirzadeh J; Aghakouchak A A; Samadani S; Aghakouchak A “ Ultimate strength Analysis of jacket type Offshore Platforms due to wave, current and wind loading” Proc of 27th International Conference on Offshore Mechanics and Arctic Engineering, OMAE 2008, Storil, Portugal, June 2008

15.Kimiaei, M; Aghakouchak A A; Shayanfar, M.A.; El Naggar M.H; “ A Model for Nonlinear Seismic Response Analysis of Jacket Type Offshore Platforms”, Proc of 25th *International Conference on Offshore Mechanics and Arctic Engineering*, OMAE 2006, Hamburg, Germany, June 2006

16.Aliabadi D, Aghakouchak AA “ Analysis of the rigid connection recommended in Iranian Standard 2800 and its effects on the behavior of steel moment resisting frames” *Proceedings of the Seventh Intrenational Congress of Civil Engineering*, Tehran, Iran, May 2006. (In Persian)

17.Homami P, Aghakouchak AA “Principles of Fuzzy reliability analysis of Structures” *Proceedings of the Seventh Intrenational Congress of Civil Engineering*, Tehran, Iran, May 2006. (In Persian)

18.Kimiaei, M; Shayanfar, M.A.; El Naggar M.H; Aghakouchak A A; “The Effects of Free Field Ground Motion Analysis on Seismic Response of Offshore Piles”, Proc of 24<sup>rd</sup> *International Conference on Offshore*

*Mechanics and Arctic Engineering*, OMAE 2005, Halkidiki, Greece, June 2005

19.Ghasemi A, Aghakouchak AA “ The Effect of Overstrength on Behavior Factor of Steel Frames with Saddle Like ( Khorjeeni) Connections” *Proceedings of the Second National Congress of Civil Engineering*, Tehran, Iran, May 2005. (In Persian)

20.Ahmadi Sarchaghani J; Aghakouchak AA;” Reliability of Seismic Design of offshore Platforms based on API RP2A-LRFD in The Persian Gulf” *Proceedings of 6<sup>th</sup> Int. Conf. on Coasts, Ports & Marine Structures (ICOPMAS 2004)*, Tehran, Iran, Dec.2004. (In Persian)

21.Fathi A; Aghakouchak AA; Montazer GH.A; “Evaluating the Stress Intensity Modification Factor in Offshore Tubular T-Joints Using Artificial Neural Networks” ”,Proc of 23<sup>rd</sup> *International Conference on Offshore Mechanics and Arctic Engineering*, OMAE 2004, Canada

22.Kimiaei, M; Shayanfar, M.A.; El Naggar M.H; Aghakouchak A A; “Nonlinear Seismic Pile-Soil-Structure Interaction Analysis of Piles in Offshore platforms”, Proc of 23<sup>rd</sup> *International Conference on Offshore Mechanics and Arctic Engineering*, OMAE 2004, Canada

23.Asgarian B; Aghakouchak A.A;” Nonlinear dynamic analysis of Jacket type offshore structures subjected to earthquake using fiber elements” *Proc of 13<sup>th</sup> World Conference on Earthquake Engineering* , Vancouver, B.C., Canada, August 2004, Paper NO. 1726

24.Kimiaei, M; Shayanfar, M.A.; El Naggar M.H; Aghakouchak A A;” Nonlinear Response Analysis of Offshore Piles Under Seismic Loads “ *Proc of 13<sup>th</sup> World Conference on Earthquake Engineering* , Vancouver, B.C., Canada, August 2004, Paper NO. 3056

25.Aghakouchak A.A; Asgarian B.; ”Nonlinear dynamic analysis of fixed steel offshore platforms using fiber elements” *Proceedings of 4th Int. Conf. on Seismology and Earthquake Eng.*, Tehran, Iran, 2003. (In Persian)

26.Karami A.R.; Aghakouchak A.A” Efficiency of fiber reinforcement composite base isolators in seismic behaviour of medium rise buildings” *Proceedings of 4th Int. Conf. on Seismology and Earthquake Eng.*, Tehran, Iran, 2003. (In Persian)

27.Ghafouripour A.; Aghakouchak A. A” Evaluation of dynamic behaviour of an offshore structure using non-stationary spectral analysis with Bessel-Kaiser window function” *Proceedings of 4th Int. Conf. on Seismology and Earthquake Eng.*, Tehran, Iran,2003

28.Shayanfar, M.A.; Kimiaei, M; Aghakouchak A.A “Dynamic nonlinear response of offshore platforms piles” *Proceedings of 6<sup>th</sup> Int. Conf. Of Civil Eng..ICCE2003*, Isfahan, Tehran, May 2003

29.Zahraee, M; Aghakouchak A.A, et al “ Vibration control of Tale-Zang Bridge using tuned mass dampers” *Proceedings of 6<sup>th</sup> Int. Conf. Of Civil Eng..ICCE2003*, Isfahan, Tehran, May 2003, (In Persian)

30.Aghakouchak A.A; Asgarian B.; ”Modelling of the nonlinear behaviour of structural members of offshore platforms using fiber element” *Proceedings of 6<sup>th</sup> Int. Conf. Of Civil Eng..ICCE2003*, Isfahan, Tehran, May 2003, (In Persian)

31.Aghakouchak A. A; Ghafouripour, A.; Kiamehr, H. “Structural health monitoring of offshore platforms in The Persian Gulf using SIJACKET Computer Program for ambient vibration tests” *Proceedings of 5<sup>th</sup> Int. Conf. on Coasts, Ports & Marine Structures (ICOPMAS 2002)*, Ramsar, Iran, Oct.2002

32.Vosooghi N, Shafiee-far M, Aghakouchak A. A “ Dynamic Analysis of Fixed Offshore Platforms Considering Wave- Structure Interaction “ *Proceedings of 4th Int. Conf. on Coasts, Ports & Marine Structures (ICOPMAS 2000)*, Bandar Abbas, Iran, Nov.2000



33. Aghakouchak A. A.; Ghafouripour, A.; Kiamehr, H. "An Overview of System Identification Methods And Applications, Part I: Methods of System Identification and Dynamic Tests" *Proceedings of 4th Int. Conf. on Coasts, Ports & Marine Structures (ICOPMAS 2000)*, Bandar Abbas, Iran, Nov.2000
34. Aghakouchak A. A.; Ghafouripour, A.; Kiamehr, H. "An Overview of System Identification Methods And Applications, Part II: Theory, Type of Tested Structures, History and Prospective of System Identification" *Proceedings of 4th Int. Conf. on Coasts, Ports & Marine Structures (ICOPMAS 2000)*, Bandar Abbas, Iran, Nov.2000
35. Masoumi, A.; Aghakouchak, A.A." The Effects of Visco-Elastic Dampers On Seismic Response Of RC Frames " Proc. of The First Conference of Iranian Society of Civil Engineers, Tehran, Iran, 1999 (In Persian)
36. Mosayyebi, A.R.; Aghakouchak, A.A." Reliability Analysis Of Tubular Joints of Offshore Structures Subjected to Fatigue" Proc of The First Conference of Iranian Society of Civil Engineers, Tehran, Iran, 1999, (In Persian)
37. Aghakouchak, A.A., Ahmad Zadeh, H. "Criteria for Analysis and Design of Building Structures Subject to Earthquake Using The Time-History Analysis Method" *Third Int. Conf. on Seismology and Earthquake Eng.*, Tehran, Iran, 1999. (In Persian)
38. Aghakouchak, A.A., Fathi, M. "A Case Study of Non-Linear Dynamic Behaviour of Steel Frames With Saddle-Like Connections Subject to Earthquake and Their Ductility Demand" *Third Int. Conf. on Seismology and Earthquake Eng.*, Tehran, Iran, 1999. (In Persian)
39. Aghakouchack, A.A., Asgarian B. "Non-Liner Dynamic Analysis of Jacket Type Offshore Structures Subject to Strong Ground Motions" *Third Int. Conf. on Seismology and Earthquake Eng.*, Tehran, Iran, 1999. (In Persian)
40. Asgarian B., Aghakouchak A.A., "An Evaluation of Models Describing Behaviour of Bracings of Jacket Type Offshore Structures Subject to Earthquakes" *Third Int. Conf. on Coats, Ports & Marine Structures (ICOPMAS 98)*, Tehran, Iran. (In Persian)
41. Moghimi, S. and Aghakouchak A.A., "Numerical Solution of Diffraction of Regular Waves and Investigation of the Effects of Waves Irregularities" *Third Int. Conf. on Coasts, Ports & Marine Structures (ICOPMAS 98)*, Tehran, Iran. (In Persian)
42. Aghakouchak, A. A. and Asgarian, B. "Dynamic Characteristics of A Typical Jacket Type Offshore Structures Considering Pile - Structure Interaction" Proc, of 15th International Conference on Offshore Mechanics and Arctic Engineering, OMAE 96, Italy.
43. Aghakouchak, A. A. and Memari A. M, " Dynamic Characteristics of Multistory Buildings Using Dynamic Testing", *Second Int. Conf. On Seismology and Earthquake Engineering*, Tehran, Iran, 1995.
44. Aghakouchak, A. A. and Vaseghi- Amiri, J. "Analysis of Crack Propagation Path in Two- Dimensional Bodies Using The Finite Element Method", Proc. of Fifth International Conference on Civil and Structural Engineering Computing, CIVIL - COMP 93, Edinburg, U. K.
- 45.

Dharmavasan, S. and Aghakouchak, A. A. "Estimation of Stress Concentrations Factors in Ring - Stiffener Tubular Joints", Proc. of 11th. International Conference on Offshore Mechanics and Arctic Engineering, OMAE 1992, ASME, Calgary, Canada.

46. Aghakouchak, A. A. "Application of Fracture Mechanics Method to Fatigue Analysis of Tubular Joints in Offshore Structures" , Proc. of Third International Iranian Congress of Civil Engineering, Shiraz, Iran, 1990
47. Aghakouchak, A. A. and Dharmavasan, S. "Stress Analysis of Unstiffened and Stiffened Tubular Joints Using an Improved Finite Element Model of Intersection" ,Proc. of 9th international Conference on Offshore Mechanics and Arctic Engineering, OMAE 1990, ASME, Houston, U. S. A
48. Aghakouchak, A.A. ; Glinka, G. ; Dharmavasan, S. "A Load Shedding Model for Fracture Mechanics Analysis of Fatigue Cracks in Tubular Joints" , Proc. of 8th. International Conference on Offshore Mechanics and Arctic Engineering, OMAE 1989, ASME, the Netherlands.
49. Dover, W.D., Niu, X.; Aghakouchak, A.A. "Fatigue Crack Growth in X - Joints and Multi-Brace Nodes" , Proc. of Conference on Fatigue of Offshore Structures, ELS, London, September 1988.
50. Aghakouchak, A. A. and Dharmavasan, S. , "Fatigue Behaviour of Stiffened Tubular T-Joints", Proc. of Conference of Offshore Structure, ELS, London, September 1988
51. Dharmavasan, S. and Aghakouchak, A. A. "Stress Concentrations in Tubular Joints Stiffened by Internal, Ring Stiffeners", Proc. of 7th. International Conference on Offshore Mechanics and Arctic Engineering OMAE 1988, ASME, Houston.