# *RESUME'*


**DR. HAMID MOHARRAMI**
**PROFESSOR**

## ADDRESS

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## PERSONAL INFORMATION:

**Nationality:** Iranian, Born in Zanjan, Iran.
**Date of birth:** December 22nd, 1956.
**Marital Status:** Married, Two children.

## EDUCATION

**Speciality:** Design Optimization in Civil and Structural Engineering
**PhD.:** Civil Engineering, the University of Waterloo, Waterloo, Ontario, Canada, Oct. 1993. Thesis: Design Optimization of Reinforced Concrete Structures.
**MSc. :** Structural Engineering, Sharif University of Technology, Tehran, IR Iran, Feb. 1988. Thesis: A Novel Method for Reanalysis of Structures.
**B.S. :** Civil Engineering, Amirkabir University of Technology, Tehran, IR Iran, Feb. 1980

## UNIVERSITY POSITIONS

**Faculty Member** Since Oct. 1993 in Tarbiat Modarres University, Tehran, I.R. Iran.
**Director of Structural Engineering Group.,** Faculty of Civil and Environmental Engineering, Tarbiat Modarres University, Tehran, I.R. Iran.
**Deputy Dean for Academic Affairs,** School of Engineering, Tarbiat Modarres University,

Tehran, I.R. Iran

**Vice Chancellor** in Planning & Development, Tarbiat Modarres University, Tehran, I.R.Iran (August 1995 - Feb.1998).

**Chancellor :** The University of Zanjan, Zanjan, IR Iran, (Feb. 1998 - Sept. 1999).

**Scientific Counsellor**, Embassy of I.R. Iran, to Canada, May 2011 –Sept. 2012

## ACADEMIC ACTIVITIES

### Fields of Special Interest

- Design Optimization,
- Nonlinear Analysis using Mathematical Programming,
- Structural Control,
- Numerical Methods in Engineering,
- Heuristic Optimization e.g. Genetic Algorithms
- Neural Networks.

### Lectured Courses

- Structural Optimization.
- Finite Element Methods.
- Analysis and Design of inelastic structures.
- Matrix Structural Analysis.
- Advanced Steel Structures.
- Theory of Plates and Shells.

### Supervision of thesis

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|---|---|---|
| Supervised M.Sc. Thesis | 33 | Students |
| Supervised Ph.D. Thesis | 25 | Students |
| Co-Supervised M.Sc. Thesis | 10 | Students |
| Co-Supervised Ph.D. Thesis | 4 | Students |

## PUBLICATIONS

### Books

a. **Moharrami, H.** and Jahanpour, A., (2016), "Limit Analysis and Design of Semi-Supported Steel Shear Walls", Tehran, Iran, Tarbiat Modares University Press.

b. **Moharrami, H.** , (2012), "Optimal Performance-Based Seismic Design", in Plevris, V., Mitropoulou, C.C. and Lagaros, N.D. (Eds) " Structural Seismic Design Optimization and Earthquake Engineering Formulation and application", (pp. 174-207) Hershey, USA, IGI Global

c. **Moharrami, H.** , and Habibnejad Korayem,A., "Semi-Supported Thin Steel Shear Walls", Tehran, Iran, Building and Hosing Research Centre press

d. **Moharrami, H.** , (Ed), (2006), "Seismic Analysis and Design of Reinforced Concrete, Steel and Masonary Buildings", Tehran,Iran.

### Journal Papers in English

1. Jahanpour, A. and **Moharrami, H.** (2015), "Evaluation of Behavior of the Secondary Columns in Semi-supported Steel Shear Walls " Thin-Walled Structures, Vol. 93, PP. 94-101

2. Fayezi Oghani, A. and **Moharrami, H.** . . (2015), "Optimal Control via Integrating the Dynamics of Magnetorheological Dampers and Structures" Civil Engineering Infrastructures Journal, Vo. 48, No. 2, pp.345-357
3. **Moharrami, H.** . ., Mahini, M.R. and Cocchetti, G. (2015), "Elastoplastic Analysis of Plane Stress/Strain Structures via Restricted Basis Linear Programming", Computers and Structures, Vol.146, pp.1-11
4. **Moharrami, H.** , and Amini,M.A. (2014), "Seismic Vulnerability Assessment of Process Towers using Fragility Curves" Structural Design of Tall and Special Buildings, Vol. 23, No.8, pp. 593-603
5. Mahini, M.R.,**Moharrami, H.** .and G.cocchetti (2014), "Elastoplastic Analysis of Frames Composed of Softening Materials by Restricted Basis Linear Programming" Computters and Structures,Vol. 131, pp.98-108
6. Mahini, M.R. **Moharrami, H.** . and Cocchetti, G. (2013), "A Dissipated Energy Maximization Approach to Elastic-Perfectly Plastic Analysis of Planar Frames" Archive of Mechanics, Vol.65, No. 3, pp.171-194
7. Jahanpour , A., Jönsson, J., **Moharrami, H.** . (2012), "Seismic Behavior of Semi-supported Steel Shear Walls" Journal of Constructional Steel Research, Vol. 74, pp. 118-133
8. **Moharrami, H.** ., Behfard, M. and Johari Majd, V., (2012), "The Effect of Fuzzy Uncertainties on Performance Level and Performance Evaluation of Steel Moment Frames", Journal of Seismology and Earthquake Engineering, Vo. 14, No. 1, pp. 39-55
9. Heydari, M., **Moharrami, H.** . and Yazdani-Paraei, H. (2012), "Nonlinear Analysis and Optimum Design of Guyed Masts", Journal of Optimization, Theory and Application, Vol. 155, No. 3, pp. 1025-1046
10. Kazemi-Bidokhti, K., **Moharrami, H.** . and Fayezi, A., (2012), "Semi-active Fuzzy Control for Seismic Response Reduction of Building Frames using SHD Dampers" Structural Control and Health Monitoring, Vol. 19, No. 3, pp. 417-435
11. Jahanpour, A., **Moharrami, H.** . and Aghakoochak, A. (2011), "Evaluation of Ultimate Capacity of Semi-supported Steel Shear Walls", Journal of Constructional Steel Research, Vol. 67, No. 6, pp. 1022-1030
12. Akbari, J., Ahmadi, M.T. **Moharrami, H.** . (2011), "Advances in Concrete Arch Dams Shape Optimization", Applied Mathematical Modeling, Vol. 35, No. 7, pp. 3316-3333
13. Arabzade, A., **Moharrami, H.** . and Ayazi, A. (2011), "Local Elastic Buckling Coefficients of Steel Plates in Composite Steel Plate Shear Walls", Scientia Iranica, Vol.18, No. 1, pp. 9-15
14. Hamzeh Javaran, S., Khaji, Ni. And **Moharrami, H.** . (2011), "A Dual Reciprocity BEM Approach using new Fourier Radial Basis Functions Applied to 2D Elastodynamic Transient Analysi", Engineering Analysis with Boundary Elements, Vol. 35, No. 1, pp.85-96.
15. Habibi, A., **Moharrami, H.** . (2010), "Nonlinear Sensitivity Analysis of

Reinforced Concrete Frames" Finite Elements in Analysis and Design, Vol.46, No. 7, pp.571-584.

16. Yazdani-Paraei, H., **Moharrami, H.** , Maalek, S. & Heydari. M. (2011), "Optimum Design of Cable-stayed Bridges" Australian Journal of Structural Engineering Vol. 12, No. 2, pp. 59-75
17. Mehrjoo, M., Khaji, N., **Moharrami, H.** ., Bahreininejad, A., (2008), "Damage Detection of Truss Bridge Joints Using Artificial Neural Networks" Expert System with Applications Vol.35, No. 3, pp.1122-1131
18. Habibi, A., **Moharrami, H.** . and Tasnimi, A., (2007), "Sensitivity Analysis for Nonlinear Respones of RCMRF Using Pushover Analysis" Asian Journal of Civil Engineering Vol. 8,No. 2, pp.133-157
19. Tajalli, F., Ahmadi, M.T., **Moharrami, H.** ., (2007), "A Shape Optimization Algorithm for Seismic Design of a Concrete Arch Dam", Dam Engineering, Vol. 18, No. 2, pp. 139-162
20. **Moharrami, H.** . and Alavinasab, S.A., (2006), "An Optimization Procedure for Automated Design of Seismic-Resistant Steel Frames", International Journal of Civil Engineering Vol, 4, No. 2, pp. 86-105
21. Alavinasab, S.A., **Moharrami, H.** .and Khajepour,A., (2005), "Active Control of Structures Using Energy-Based LQR Method" Journal of Computer Aided Civil and Infrastructure Engineering Vol. 21, No. 8, pp. 605-611
22. **Moharrami, H.** and Grierson, D.E., (1993), "Computer Automated Design of Reinforced Concrete Frameworks", ASCE, Journal of Structural Engineering Vol. 119, No.7, pp. 2036-2058

**Journal Papers in Persian**

1. **Moharrami, H.** , Madani, S.H., (2016), "Seismic Damage Forcast of Steel Moment Frames Utilizing Neural Networks", Journal of Civil and Environmental Engineering of University of Tabriz, Iran, Vol. 46, No. 2, pp.85-96
2. Fezzeh, M. **Moharrami, H.** and Daneshjou, F., (2016), "Investigation on Effect of Vertical Cmponent of Near-Fault and Far-Fault Earthquakes on Three Span Railway Bridges", Modares Journal of Civil Engineering, Vol. 16, No. 1, pp. 103-116
3. Arabzade, A., Varmazyari, M., **Moharrami, H.** , (2015), "Investigation on Latteral Web Buckling in Steel Beams", Modares Journal of Civil Engineering, Vol. 15, No. 1, pp. 56-73
4. Khoshhal, M., Shahrabi Farahani, T., Neshati, J. and **Moharrami, H.** (2014), "Simulation of Hybrid Catodic Protection System for Offshore Structures using Boundary Element Method", Journal of Corrosion Sciences and Engineering, Vol. 3, No. 1, pp. 7-21
5. **Moharrami, H.** and Zahedi Tajrishi, F., (2013), "Foundation Design Utilizing Topology Optimization", Modares Journal of Civil Engineering, Vol. 13, No. 1, pp. 119-131

6. Habibnejad Korayem, A., **Moharrami, H.** and Mazrouei, Ali, (2011), "Investigation on the Effect of Stiffness of Columns on the Behavior of Thin Steel Shear Walls", Civil Engineering Infrastructures Journal, Vol. 45, No. 2, pp.169-178
7. Habibi, A., **Moharrami, H.** and Tasnimi, A., (2010), " Optimum Performance-Based Design of Reinforced Concrete Frames" Numerical Methods in Engineering, Vol. 28, No. 2, pp. 35-50
8. Gheiratmand, C., **Moharrami, H.** and Fakher,A., (2009), "The Effect of Moment Resisting Frame on the Behavior of Foundation", Modares Technical and Engineering, Vol. 36, No. 2, pp. 147-158
9. Tajalli, F., Ahmadi, M.T. and **Moharrami, H.** (2009), "Shape Optimization of Concrete Arch Dams to Enhance Seismic Performance" Modares Technical and Engineering, Vol. 35, No. 1, pp. 1-16
10. Safavi, A.A., **Moharrami, H.** , (2009), "Coefficient of Effective Length of Tapered Columns in One-Bay Gabled Frames for the State of Free to Sway with Hinged Bases" Sharif Journal of Civil Engineering, Vol. 25, No. 48.1, pp. 23-30
11. **Moharrami, H.** and Habibnejad Korayem, A. (2008), "Advantages of Thin Steel Shear Walls for Retrofitting of Steel Structures", Journal of Structure and Steel, Vol. 4, No. 4, pp. 70-82
12. Komak Panah A., Najafizadeh J. and Moharrami H., (2008), "Optimization of Pile Groups Based on Genetic Algorithms", Journal of Amir Kabir, Vol.18, No. 67, pp. 63-73.
13. **Moharrami, H.** , Salehi Neyshabouri, A. and Foroughi, A. (2008), "Optimal Design of Differential Surge Tanks", Iran Water Resources Research, Vol. 4, No. 1, pp. 59-69
14. **Moharrami, H.** , Shahrabi Farahani, T. and Shourabi, H., (2007), "Optimization of Cathodic Protection on Offshore Structures", Numerical Methods in Engineering (Esteghlal), Vol. 26, No. 1, pp. 49-63
15. Alavinasab, S.A., **Moharrami, H.** , Johari Majd, V. Ziaeifar M. and Khajepour, A., (2007), "Active Control of Structures Using Energy Method", Journal of Faculty of Engineering of University of Tehran, Vol. 41, No.1, pp. 81-90
16. Habibi, A., **Moharrami, H.** , Tasnimi, A., (2006), "Evaluation of Seismic Performance of RCMRFs Using Damage Indices",Journal of Faculty of Engineering of University of Tehran Vol. 40, No. 5, pp. 701-712
17. **Moharrami, H.** and Habibnejad Korayem, A. (2006), "Application of Thin Steel Shear Walls for Retrofitting of Existing Steel Structures", Shams, Journal of Engineering Organization of Iran, Mordad Issue, pp. 21-27
18. **Moharrami, H.** and Feyzi, B., (2005), "Design Optimization of Cross Section and Height of two liered Grids", Modares Technical and Engineering, Vol. 5, No. 21, pp. 11-22
19. Reyazi Mazloumi, S.M. and **Moharrami, H.** , (2001), " An Innovative Method for the Analysis of Structures with Tension-Only members", Numerical Methods

in Engineering (Esteghlal), Vol. 20, No.1, pp. 69-81

20. Fakhimi, A.A., **Moharrami, H.** and Nobakht Vakili, K., (2001), "Application of Genetic Algorithm in Determination of Critical Slip Surface in Earth Slopes", International Journal of Industrial Engineering and Production Research, Vol. 12, No. 2, pp. 181-197
21. Fakhimi, A.A., Haji Azizi, M. and **Moharrami, H.** , (2000), "A New Method for Determination of Critical Slip Surfaces in Earth Slopes", Numerical Methods in Engineering (Esteghlal), Vol. 18, No. 2, pp. 97-115

**Conference Papers in English**

1. **Moharrami, H.** ., Soheili, H. and Farnood Ahmadi, P. "Evaluation of Glass Fiber Reinforced Polymer (GFRP) on Semi-Lighteight Perlite Concrete", Proceedings of the International Conference on CivilEngineering Architecture and Urban Cityscape, Istanbul University, Turkey July 2016.
2. Jahanpour, A., Jönsson, J., **Moharrami, H.** ., "An Experimental Investigation of Seismic Behavior of Semi Supported Steel Shear walls", Proceedings of the 4th International conference on Advances and Trends in Structural Engineering, Mechanics and Computation, Kape Town, South Africa, 2010.
3. Kazemi Bidokhti, K., **Moharrami, H.** . and Fayezi, A., "Semi-Active Control of the Seismic Response of Building Frames Using Fuzzy Control", Proceedings of the 9th U.S. National and 10th Canadian Conference on Earthquake Engineering, Toronto, Canada, July 2010.
4. Kazemi Bidokhti, K., **Moharrami, H.** ., Fayezi, A. and Malekzadeh, M., "Integrated Fuzzy Logic and Genetic Algorithms for Multi-objective Control of Building Frames using SHD Dampers", Proceedings of the 11th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures, Guangzhou, China, November, 2009.
5. **Moharrami, H.** ., Madani, S.H., "Damage Assessment of MR Steel Frames with a Simple Criterion Bbased on Stiffness Deterioration", Proceedings of the 4th International Structural Engineering and Construction Conference ISEC4, Innovations in Structural Engineering and Construction, Melborne, Australia, September 2007
6. **Moharrami, H.** (2006), "A New Method for Analysis of Structures Including Nonlinear Semi-rigid Connections" Proceedings of the SMCD2006 Conference on Advances in Engineering Structures,Mechanics and Constructin, The University of Waterloo, Waterloo, Canada, May 2006.
7. **Moharrami, H.** (2006), "Optimality Criteria Method: An Efficient Robust Solution For Nonlinear Optimization Problems" Proceedings of the 7th international Congress on Civil Engineering, Tehran, Iran, May 2006
8. **Moharrami, H.** and Alavinasab,S.A., "Design Optimization of Seismic Resistant Steel Frames", Proceedings of the 8th International Conference on Civil and Structural Engineering Computing, Eisenstadt-Vienna, Austria, September, 2001.
9. **Moharrami, H.** Ghodsian,M. and Bahramian,S. (2000), "Optimal Design of

Stilling Basin", Proceedings of the 4th International Conference on Hydro-Science and Engineering (ICHE2000), Seol, Korea, Sept.2000

10. **Moharrami, H.** and Reyazi M.M., (2000), "Analysis of Structures Including Compression-only and Tension-only Members", proceedings of European Congress on Computational Methods in Applied Science and Engineering (Eccomas 2000), Barcelona, Spain, Sept. 2000.
11. **Moharrami, H.** and AsgariMarnani, J., (1996), "Design Optimization of Urban Water-pipe Networks", Proceedings of the 2nd International Conference in Civil Eng. On Computer Applications Research and Practice, Duha, Bahrain, April,1996.
12. **Moharrami, H.** and Grierson,D.E., (1993)" Reinforced Concrete Framework Design Optimization ", Proceedings of the Opti'93 Conference on Computer Aided Optimum Design of Structures, Zaragoza, Spain, July 1993
13. **Moharrami, H.** and Grierson,D.E., " Design Optimization of R/C Building Frameworks", Proceedings of the DFG-ASI Conference on Optimization of Large Structural Systems, W.Germany 1992.

**Conference Papers in Persian**

1. Nowrouzi, S. and **Moharrami, H.** , "Determination of Impact of Moving Vehicle on Plate Girder Bridges", Proceedings of the 4th International Conference on Structural Engineering, Tehran, Iran, February 2018.
2. Soheili, H., **Moharrami, H.** and Farnood Ahmadi, P., "Presenting an Optimal Mix for Light Weight Cconcrete including Perlite Agregate", Proceedings of the 4th national Conference on CivilEngineering, Urban Architecture and management, Tehran, Iran, February 2017.
3. **Moharrami, H.** , Rashvand, M. and Hajinouri, Y., "Study on the Design Procedures and Corresponding Codes of Pipe-Rack Structures", Proceedings of the 2nd National Conference of Structural Engineering of Iran, Uniersity of Amirkabir, Tehran, Iran, Febraury 2016.
4. **Moharrami, H.** , Zahedi Tehran, M. and Jabbari, M., ""Investigation on the Behavior of Semi-Supported Steel Shear Walls Under Increasing Latteral Loads and its Comparison to Ordinary Stell Shear Walls", Proceedings of the 6th National Conference of Structure and Steel, Tehran, Iran, December, 2015.
5. Amini, M.A. and **Moharrami, H.** , "Investigation on the Effect of Foundation Flexibility on the Seismic Behavior of Distiling Reactors in Oil and Petrochemical Industry", Proceedings of the 8th National Congress of Civil Engineering, Babol Noshiravani University of Technology, Babol, Iran, May 2014
6. Jahanpour, A. and **Moharrami, H.** , "Design of Semi Supported Steel Shear walls" Proceedings of the 9th International Congress of Civil Engineering, Isfahan University of Tehnology, Isfahan, Iran, May 2012.
7. Fezzah, M. and **Moharrami, H.** "Investigation on the Effect of Vertical Component of Earthquake on the 2 Bay Railway Bridges in Near Fault Area", Proceedings of the 6th International Conferece on Seismology andEarthquake

Engineering, Tehran, Iran, 2011

8. Jahanpour, A., **Moharrami, H.** and Aghakoochak A., "Out of Plane Buckling of Secondary Columns in Semi Supported Steel Shear Walls", Proceedings of the 6th National Congress of Civil Engineering, University of semnan, Semnan, Iran, April 2011.
9. Ayazi, A., Arabzadeh, A., **Moharrami, H.** and Soltani Mohammadi, M., "Investigation on the Seismic Behavior of Composite Shear Wall using Laboratory Models", Proceedings of the 2nd International Conference on Seismic Retrofitting, Tehran, January 2011
10. Behdashti, A., Rezaei, H., Ebrahimpour, H. and **Moharrami, H.** , " Design Optimization of Duct of V94.2 Gass Turbines for Capacity Increase via Fug" Proceedings of the Conference on optimizing Energy Consumption, Abali, Iran, July 2010.
11. Fayezi, A. and **Moharrami, H.** , "Semi-Active Control of Structures by MR Dampers Based on Variational Method Using Steepest Descent Algorithm", Proceedings of the 5th National Congress on Civil Engineering, University of Ferdowsi, Mashad, Iran, May 2010.
12. **Moharrami, H.** and Heidari, M., "A New method for Nonlinear Elastic Analysis of Cable Guyed Masts", Proceedings of the 8th International Congress on Civil Engineering, University of Shiraz, Shiraz, Iran, May 2009.
13. Jahanpour, A., **Moharrami, H.** and Aghakoochak, A., "Determination of Ultimate Load Carrying Capacity of Semi-supported Streel Shear Walls", Proceedings of the 8th International Congress on Civil Engineering, University of Shiraz, Shiraz, Iran, May 2009.
14. Jahanpour, A., **Moharrami, H.** and Aghakoochak, A., "Seismic Behavior of One to Five Story Frames Retrofitted by Semi Supported Steel Shear Walls", Proceedings of the 4th National Congress on Civil Engineering, University of Tehran, Tehran, Iran, May 2008
15. Habibi,A., **Moharrami, H.** and Tasnimi,A., "Performance- based Design Optimization of Reinforced Concrete Frames", Proceedings of the 4th National Congress on Civil Engineering, University of Tehran, Tehran, Iran, May 2008.
16. **Moharrami, H.** , Madani, S.H., "Intoducing a Simple Damage Index based on Stiffness Deterioration for Steel Moment Frames", Proceedings of the 5th International Conference SEE5 on Seismology and Earthquake Engineering, Tehran, Iran, 2007
17. Habibi,A. and **Moharrami, H.** , "Sensitivity Analysis of Reinforced Concrete Frames using Push-over Analysis", Proceedings of 3rd National Congress on Civil Engineering, University of Tabriz, Tabriz, Iran, May 2007.
18. **Moharrami, H.** and Madani, S.H., "A Review on Various Damage Indices for Steel Moment Frames", Proceedings of 3rd National Congress on Civil Engineering, University of Tabriz, Tabriz, Iran, May 2007.
19. Jahanpour, A. and **Moharrami, H.** , "Seismic Behavior of Steelplate Shear Walls Reinforced by FRP", Proceedings of 3rd National Congress on Civil Engineering,

University of Tabriz, Tabriz, Iran, May 2007.

20. Safavi, A.A. and **Moharrami, H.** , "Critical Axial Load of Tapered Columns in Gabled Frames using Finite Difference and Virtual Work", Proceedings of 3rd National Congress on Civil Engineering, University of Tabriz, Tabriz, Iran, May 2007.
21. **Moharrami, H.** (2006), "Optimality Criteria Method: An Efficient Robust Solution For Nonlinear Optimization Problems" Proceedings of the 7th international Congress on Civil Engineering, Tehran, Iran, May 2006
22. **Moharrami, H.** Abbasi,M.M. and Reyazi Mazloumi,M. (2006), " A New method for Nonlinear Analysis of Single Degree of Freedom Structures", Proceedings of the 7th international Congress on Civil Engineering, Tehran, Iran, May 2006.
23. Habibi,A., **Moharrami, H.** and Tasnimi,A. (2006), " Seismic Damage Evaluation of R/C Frames in Performance Based Design using Nonlinear Static Analysis" Proceedingsof the 7th international Congress on Civil Engineering, Tehran, Iran, May 2006.
24. **Moharrami, H.** and Akbari Koshkjeh, H. (2006), "The Effect of Vertical Component of Earthquake on the Response of Steel Structures", Proceedings of the 7th international Congress on Civil Engineering, Tehran, Iran, May 2006.
25. Najafizadeh Chenari,J. , Komakpanah,A. and **Moharrami, H.** (2006), " Design Optimization of Group of Piles Employing Genetic algorithms", Proceedings of the 7th international Congress on Civil Engineering, Tehran, Iran, May 2006.
26. Gheiratmand, C., **Moharrami, H.** and Fakher,A., "Design Optimization of Steel Moment Frames with Flexible Foundation", Proceedings of the 7th international Congress on Civil Engineering, Tehran, Iran, May 2006.
27. Tajalli, F., Ahmadi, M.T. and **Moharrami, H.** , "Shape Optimization of Arch Dams to Enhance its Seismic Performance", Proceedings of the 2nd International Conferenceon Concrete and Development, Tehran, Iran, April 2005
28. **Moharrami, H.** and Mousavi,S.M. (2001), " Steel Shear Walls: A Review" Proceedings of the 2nd International Conference on High-Rise Buildings, Tehran, Iran, May 2001
29. Salehi Neishabouri,A.A., **Moharrami, H.** , and Foroughi,A.M. (2001), " Automatic Design of Differential Surge Tanks" Proceedingsof the International Conference on Hydrolic Structures, Kerman, Iran, May, 2001
30. **Moharrami, H.** and Kaskin Tabrizi,N. (2000)," Optimal Design of Refining Process of Sewage Employing Completely Mixed Activated Sludge", Proceedings of the 5th International Conference on Civil Engineering, Mashad, Iran, May 2000
31. Ghodsian,M., **Moharrami, H.** and Bahramian,S. (2000), "Investigation on the Effect of Position of Baffle Blocks on the Depth of Downstream in Stilling Basin Type III " Proceedings of 5th International Conference on Civil Engineering, Mashad, Iran, May 2000

## PROFESSIONAL CAREER

**Member** of **ASCE** during 1995 to 2002
**Consulting Engineer** since 1993.
**Professional Engineer** (PE) Since 1983.
**Design Engineer** from 1980 to 1989 in government sector (GS).
**Construction Engineer** from 1983 to 1985 in private sector (PS).

**Details of Professional activities**

- 1980-1981 The head of Technical office in municipality of Birjand. (GS)
- 1981-1983 Engineering office of Sepah Pasdaran. (GS)
- 1983-1985 Managing director of Ravagh Zebarjad Construction Co. (PS)
- 1985-1988 Head of Research & development office of Ministry of defense in Civil Engineering field. (GS)
- 1988-1989 Design engineer on Railway Bridges in Machine Sazi Arak Co. (GS)
- 1993-2003 Managing director of Navstar Consultant Engineering
- Structural Designer of Several Monuments and memorial buildings including:
  - The monument for the memorandum of three martyred Ministers, Tehran, Iran.
  - The statue for the resistance in the noon of Ashoura.
  - The monument for the memorandum of resistance and victory of Khorramshahr city.
- 2001- present, Official Expert Engineer

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**LAST UPDATE: MAY, 2018**