

Work Address

Department of Civil Engineering, Isfahan University of Technology,
Esfahan 84156-83111, Iran.

Tel.: +98-31-33913844, Fax: +98-31-33912700, Email: farhad@cc.iut.ac.ir

Web: <http://behnamfar.iut.ac.ir>

Education

Tohoku University, Sendai, Japan

PhD in Civil Engineering/Structural – Specialization: Soil-Structure Interaction (Sep. '97)

Dissertation subject: **Dynamic Response of Structures Considering Cross-Interaction Subject to Random Incident Waves**

University of Tehran

MSc in Civil Engineering/Structural (Sep. '90)

Thesis subject: **Approximate and Exact Methods for Dynamic Analysis of Base-Isolated Structures**

BSc in Civil Engineering (Sep. '88)

Professional Affiliations

Iranian Earthquake Engineering Association

Earthquake Engineering Research Institute (EERI)

Professional Experience

Department of Civil Engineering, Isfahan University of Technology (IUT)

Assistant Professor (Sep. 2003 to Nov. 2013), Associate Professor (Nov. 2013 to Present)

Department of Structural Engineering, International Institute of Earthquake Engineering and Seismology (IIEES)

Assistant Professor (Sep. 1998 to Sep. 2003)

Current responsibilities include:

1. **Research:** in various aspects of earthquake engineering analysis and design especially performance based design and nonlinear static and dynamic analysis of structures.
2. **Teaching:**
Undergraduate: Dynamics, Strength of Materials, Earthquake Engineering.
Graduate (M.Sc.): Advanced Engineering Mathematics, Earthquake Engineering, Seismic Risk Analysis, Earthquake Resistant Design, Seismic Rehabilitation.
Graduate (Ph.D.): Soil-Structure Interaction, Advanced Dynamics of Structures, Boundary Elements Method.
3. **Industry:**
 - Head of one of four working teams assessing the seismic vulnerability of various industrial structures of Tehran refinery from May 2001. The project fulfilled in August 2002.

- Head of one of three working teams assessing the seismic vulnerability of Shiraz petrochemical complex from December 2002 till December 2003.
- Technical manager of the project on seismic evaluation of the schools of Tehran district 1 from June 2003 to June 2005.
- Invited researcher for earthquake engineering studies, Wupertal University, Wupertal, Germany, 2006.
- Member of the team on “Seismic Microzonation of Kashan City”, 2008-2009.
- Project manager of an analytical and experimental research work on seismic resistant precast concrete moment frames, 2008-2010.
- Manager of the project ‘Seismic Evaluation & Strengthening of Esfahan Power Plant and Shahrekord Power House”, 2009-2012.
- Manager of the project ‘Seismic Evaluation & Strengthening of Boushehr Province Gas Stations”, 2012-2014.

4. Building Codes:

- Member of the technical committee preparing the manual of seismic vulnerability assessment and rehabilitation of existing buildings under a grant from the Iranian planning and management organization from September 2000. The manual was prepared in July 2002.
- Member of the technical committee for subsequent revisions of the manual of seismic vulnerability assessment and rehabilitation of existing buildings, from February 2005 till now.
- Member of the technical committee preparing the manual of rapid seismic evaluation of existing buildings, from July 2003 to July 2006.
- Member of the technical committee preparing the code of practice for seismic vulnerability assessment and rehabilitation of existing bridges, 2005-2007.
- Member of the technical committee preparing the seismic design code for petroleum facilities for the Iranian oil ministry, from August 2002.
- Member of the technical committee preparing the manual of seismic vulnerability assessment and rehabilitation of existing network of electric power distribution under a grant from the Iranian planning and management organization, 2006-2010.
- Technical manager of the committee on preparing the handbook of seismic vulnerability assessment and rehabilitation of existing buildings under a grant from the Iranian planning and management organization from November 2005 to July 2007.

5. Consulting:

- Member of a team for seismic evaluation of a 56-story residential tower in Tehran, spanned from Feb. 2001 to Dec. 2002.
- Technical manager of the project on seismic evaluation and rehabilitation of a number of Tehran-Ahvaz railway bridges, August 2003 till Aug. 2005.
- Technical manager of the project on repair and strengthening of a number of earthquake damaged buildings of Bam city, 2005-2007.

- Technical manager of different seismic evaluation and rehabilitation projects on hospitals, schools, bridges, communication systems, Gas distribution networks, electrical substations, 2003-2011.
- Senior advisor, structural engineering consultants, from Oct. 97 till now.

Publications:

1) Journal publications:

1. Soleimani, E., Behnamfar, F. (2017). "New moment-rotation equation for welded steel beam-to-column connections," *International Journal of Steel Structures*, 17 (2), 1-23, June 2017.
2. BiabanNavard, M., Behnamfar, F., and Zibasokhan, H. (2017). "Cyclic behavior of battened and laced columns and proposing a substitute super-element," *Journal of Amirkabir University of Technology* (Accepted) (In Persian with English abstract).
3. Behnamfar, F., Mirhosseini, M., Alibabaei, H. (2017). "Seismic behavior of structures considering uplift and soil structure interaction," *Advances in Structural Engineering* (Accepted).
4. Behnamfar, F., Mohajeri, A.H., (2017). "Response amplification factors and dynamic behavior of tube and outrigger systems of tall buildings on flexible soil," *Journal of Amirkabir University of Technology* (Accepted) (In Persian with English abstract).
5. Behnamfar, F., Pouyan, F., Omid, M., Zibasokhan, H. (2017). "Effect of uplift on the behavior of steel structures and response modification factor," *Journal of Amirkabir University of Technology* (Accepted) (In Persian with English abstract).
6. Shafiei Varzaneh, M., Behnamfar, F. (2017) "Effect of opening on the lateral behavior of masonry walls with and without concrete ties," *Sharif Science & Research Journal*, Sharif University of Technology (In Persian with English abstract).
7. Behnamfar, F., Nooraei, M., Talebi Velni, M., (2017). "A three-step method for earthquake record selection for dynamic analysis of structures," *Journal of Amirkabir University of Technology* (Accepted) (In Persian with English abstract).
8. Jafari, A., Kabiri-Samani, A., Behnamfar, F., (2017). "Flow-induced horizontal and vertical vibrations of sluice gates due to different hydraulic conditions," *Water Engineering and Management* (Accepted).
9. Ghandil, M., Behnamfar, F. (2017). "Ductility demands of MRF structures on soft soils considering soil-structure interaction," *Soil Dynamics and Earthquake Engineering*, 92, 203-214, Jan. 2017.
10. Behnamfar, F., Artoonian, R., Ghandil, M. (2016). "Nonlinear modelling and seismic behavior of precast concrete structures with steel shear walls," *Bulletin of the New Zealand Society for Earthquake Engineering*, 49 (4), 293-304, Dec. 2016.
11. Behnamfar, F., Moghtaderi-Esfahani, A., Nikbakht, R., Ghandil, M. (2016). "Analysis of structural vibrations due to passage of underground trains," *International Journal of Engineering*, 29 (6), 742-751, June 2016.
12. Rajabipour, A., Behnamfar, F. (2016). "A fire ignition model and its application for estimating loss due to damage of the urban gas network in an earthquake," *International Journal of Engineering*, 29 (11), 1507-1519, Nov. 2016.

13. Behnamfar, F., Sayyadpour, H. (2016). "The near-field method: a modified equivalent linear method for dynamic soil-structure interaction analysis. Part I: Theory and methodology," *Bulletin of Earthquake Engineering*, 14 (8), 2361-2384, Aug. 2016.
14. Sayyadpour, H., Behnamfar, F., El Naggar, M.H. (2016). "The near-field method: a modified equivalent linear method for dynamic soil-structure interaction analysis. Part II: Verification and example application," *Bulletin of Earthquake Engineering*, 14 (8), 2385-2404, Aug. 2016.
15. Behnamfar, F., Taherian, S.M., Sahraei, A. (2016). "Enhanced nonlinear static analysis with the drift pushover procedure for tall buildings," *Bulletin of Earthquake Engineering*, 14 (11), 3025-3046, Nov. 2016.
16. Kermani, H., Behnamfar, F., Morsali, V. (2016). "Seismic Design of Steel Structures Based on Ductility," *International Journal of Engineering, Transactions A*, Vol. 29, No. 1.
17. Behnamfar, F., Fathollahi, A. (2016). "Conversion Factors for Design Spectral Accelerations Including Soil-Structure Interaction," *Bulletin of Earthquake Engineering*, 14 (10), 2731-2755, Oct. 2016.
18. Fazeli, E., Behnamfar, F. (2016). "Material and Geometrical Nonlinear Analysis of Structures Using Improved Applied Element Method (IAEM)," *Numerical Methods in Engineering*, 35 (1), 65-81, Summer 2016 (In Persian with English abstract).
19. Behnamfar, F., Alibabaei, H. (2016). "Classical and non-classical time history and spectrum analysis of soil-structure interaction system," *Bulletin of Earthquake Engineering*, 14 (10), 2731-2755, Oct. 2016.
20. Behnamfar, F., Dorafshan, S., Taheri, A., Hashemi, B.H. (2016). "A method for rapid estimation of dynamic coupling and spectral responses of connected adjacent structures," *The Structural Design of Tall and Special Buildings*, 25 (3), 605-625, Mar. 2016.
21. Zibasokhan, H., Behnamfar, F., Behfarnia, K. (2016). "The new proposed details for moment resisting connections of steel beam to continuous concrete column," *Advances in Structural Engineering*, 19 (1), 156-169, Mar. 2016.
22. Ghandil, M., Behnamfar, F., Vafaeian, M. (2016). "Dynamic responses of structure-soil-structure systems with an extension of the equivalent linear soil modeling," *Soil Dynamics and Earthquake Engineering*, 80, 149-162.
23. Banisheikholeslami, A., Behnamfar, F., Ghandil, M. (2016). "A beam-to-column connection with visco-elastic and hysteretic dampers for seismic damage control," *Journal of Constructional Steel Research*, 117, 185-195.
24. Behnamfar, F., Banizadeh, M. (2016). "Effects of soil-structure interaction on distribution of seismic vulnerability in RC structures," *Soil Dynamics and Earthquake Engineering*, 80, 73-86.
25. Behnamfar, F., Alibabaei, H. (2015). "Correction factors including nonclassical nature of soil-structure interaction spectral analysis," *Journal of Seismology and Earthquake Engineering*, 17(3), 193-201, Mar. 2015.
26. Behnamfar, F., Rafizadeh, H., Omidi, M. (2015). "Innovative connections for precast concrete moment resisting frames," *Bulletin of the New Zealand Society for Earthquake Engineering*, 48, 3, 204-220.
27. Abbasi, H., Behnamfar, F., Fathollahi, A. (2015). "Dynamic analysis of soil-structure interaction using the neural networks and the support vector machines," *Expert Systems with Applications*, 42, 8971-8981.

28. Madani, B., Behnamfar, F., Tajmir Riahi, H. (2015). "Dynamic response of structures subjected to pounding and structure-soil-structure interaction," *Soil Dynamics and Earthquake Engineering*, 78, pp 46-60.
29. Omid, M., Behnamfar, F. (2015). "A numerical model for simulation of RC beam-column connections," *Engineering Structures*, 88, 51–73.
30. Ghandil, M., Behnamfar, F. (2015) "The near-field method for dynamic analysis of structures on soft soils including inelastic soil-structure interaction," *Soil Dynamics and Earthquake Engineering*, 75, 1–17.
31. Saberi, M., Behnamfar, F., Vafaeian, M. (2015). "A Continuum Shell-beam Finite Element Modeling of Buried Pipes with 90-degree Elbow Subjected to Earthquake Excitations," *International Journal of Engineering, Transactions C: Aspects*, 28, 3, 338-349.
32. Behnamfar, F., Shahgholian, R. (2015) "A Comparative Study and Proposal for Enhancement of Rapid Seismic Evaluation of Masonry Buildings," *Sharif Science & Research Journal*, Sharif University of Technology, 31-2 (3/1), 93-103, Fall 2015 (In Persian with English abstract).
33. Forooghi, H., Behnamfar, F., Madani, B. (2014) "Case study for evaluation of dynamic characteristics of adjacent buildings," *Journal of Amirkabir University of Technology*, 48 (3), 291-299, Fall 2016 (In Persian with English abstract).
34. Sahraei A., Behnamfar, F. (2014) "A drift pushover analysis procedure for estimating seismic demands of buildings," *Earthquake Spectra*, 30, 4, 1601–1618.
35. Javaheri-Tafti, M.R., Ronagh, H.R., Behnamfar, F., Memarzadeh, P. (2014) "An experimental investigation on the seismic behavior of cold-formed steel walls sheathed by thin steel plates," *Thin-Walled Structures*, 80, 66–79.
36. Behnamfar, F., Bahmanzad, A. (2014), "Behavior of the Iranian Code-Based Moment Resisting Steel Structures under Near-Field Earthquakes: Proposing a Modified Design Drift," *Sharif Science & Research Journal*, Sharif University of Technology, Vol. 2-29, No. 4, pp 3-15. (In Persian with English abstract).
37. Sharif, V., Behnamfar, F. (2013) "Evaluating the effects of near-field earthquakes on the behavior of moment resisting frames," *Journal of Computational Methods in Civil Engineering*, Vol. 3, No. 2, pp 79-91.
38. Saberi, M., Behnamfar, F., Vafaeian, M. (2013) "A semi-analytical model for estimating seismic behavior of buried steel pipes at bend point under propagating waves," *Bulletin of Earthquake Engineering*, Vol. 11, pp 1373-1402.
39. Najjarzadegan, I., Behnamfar, F. (2013) "Comparison of explicit and implicit integration methods in hybrid simulation using iterative numerical operations on substructures" *Sharif Science & Research Journal*, Sharif University of Technology, Vol. 2-30, No. 2-4, pp 43-51 (In Persian with English abstract).
40. Dorafshan, S., Behnamfar, F., Khamesipour, A., Motosaka, M. (2013) "The condensed hyperelements method of non-vertical consistent boundaries for wave propagation analysis in irregular media," *Earthquake Engineering and Engineering Vibration*, Vol. 12, No. 4, pp 547-559.
41. Behnamfar, F., Afshari, M. (2013), "Collapse Analysis and Strengthening of Stone Arch Bridges Against Earthquake," *International Journal of Architectural Heritage: Conservation, Analysis, and Restoration*, Volume 7, Issue 1, 2013, pages 1-25.

42. Varasteh, A., Behnamfar, F., Salimi M. (2012), "Assessment of the Conventional Control Algorithms and Proposing a Modified Displacement Feedback Control for Performance-Based Design of Structures," *Journal of Computational Methods in Civil Engineering*, Vol. 3, 1 (2012) 35-50.
43. Berahman, F., Behnamfar, F. (2009), "Probabilistic seismic demand model and fragility estimates for critical failure modes of un-anchored steel storage tanks in petroleum complexes," *Journal of the Probabilistic Engineering Mechanics*, Vol. 24, Issue 4, pp 527-536, Oct. 2009.
44. Hashemi, B. H., Behnamfar, F., and Ranjbaran, F. (2008), "Effects of local eccentricity of connecting braces on nonlinear behavior of steel concentric brace connections," *Journal of Seismology & Earthquake Engineering*, Summer 2008, Vol. 10, No. 2, pp. 91-99.
45. Berahman F. & Behnamfar F. (2007), "Seismic fragility curves for un-anchored on-grade steel storage tanks: Bayesian approach," *Journal of Earthquake Engineering*, Imperial College, London, Vol. 11, No. 2, Mar. 2007.
46. Hashemi, B.H., Behnamfar, F., Gharibzadeh, A. (2005), "Performance evaluation of highly important steel moment resisting structures using the Seismic Evaluation Instructions," *Research Letters of Seismology and Earthquake Engineering*, Vol. 8, No. 2-3 (In Persian with English abstract).
47. Hosseinzadeh, N.A., Nateghi-Elahi, F., Behnamfar, F. (2003), "Shake Table Studies on the Soil-Structure Effects in Seismic Response of Adjacent Structures," *Esteghlal Journal*, Isfahan University of Technology, Vol. 22, No. 2 (In Persian with English abstract).
48. Nateghi-Elahi, F., Tabrizi, A.R., Behnamfar, F. (2003), "Study on the Soil-Structure Interaction Effects on the Nonlinear Response of Tall Buildings," *Journal of Ferdowsi University*, Vol. 15, No. 1 (In Persian with English abstract).
49. Behnamfar, F. & Sugimura, Y. (1999), "Dynamic Response of Adjacent Structures Under Spatially Deterministic and Random Propagation of Seismic Waves," *Journal of the Probabilistic Engineering Mechanics*, Vol. 14, No. 1-2, pp 33-44, Oct. '99.
50. Behnamfar, F. & Sugimura, Y. (1998), "Cross-Interaction of Surface and Embedded Structures Subject to Spatial variation of Ground Motion," *Journal of Structural and Construction Engineering*, Trans. of AIJ, Japan, No. 507, pp 69-76, May '98.

2) Conference proceedings:

1. Abbasnia, H., Behnamfar, F. (2017), "A macromodel for simulation of cyclic behavior of concrete connections," 10th National Congress of Civil Engineering, 20 & 21 April, Sharif University of Technology, Tehran, Iran.
2. Farahani, D., Behnamfar, F. (2017), "Study of pounding in torsional adjacent structures," 10th National Congress of Civil Engineering, 20 & 21 April, Sharif University of Technology, Tehran, Iran.
3. Sabet Rasekh, M., Behnamfar, F. (2017), "Displacement-based design of structures considering bi-directional torsional irregularity," 10th National Congress of Civil Engineering, 20 & 21 April, Sharif University of Technology, Tehran, Iran.
4. Farahanchi Baradaran, M., Behnamfar, F. (2016), "Seismic design of steel structures based on ductility level," 9th National Congress of Civil Engineering, 11 & 12 May, Ferdowsi University of Mashhad, Mashhad, Iran.

5. Behnamfar, F., Moradi, R. (2016), "Dynamic behavior of concrete cylindrical storage tanks and a specific mechanical model," 9th National Congress of Civil Engineering, 11 & 12 May, Ferdowsi University of Mashhad, Mashhad, Iran.
6. Behnamfar, F. & Banizadeh, M. (2015), "Effect of inelastic soil structure interaction on distribution of seismic vulnerability in special moment frame RC structures," 10th International Congress on Civil Engineering, 5-7 May 2015, University of Tabriz, Tabriz, Iran.
7. Heydari, M. & Behnamfar, F. (2015), "A macro-model for nonlinear dynamic analysis of 3D RC shear walls and comparison with the finite elements method," 10th International Congress on Civil Engineering, 5-7 May 2015, University of Tabriz, Tabriz, Iran.
8. Behnamfar, F. & Alibabaei, H. (2015), "Correction factors including nonclassical nature of soil-structure interaction spectral analysis," 7th International Conference on Earthquake Engineering and Seismology, 18-21 May 2015, Tehran, Iran.
9. Behnamfar, F. & Talebi, M. (2015), "An effective method for selection and modification of ground motions for dynamic time history analysis," 7th International Conference on Earthquake Engineering and Seismology, 18-21 May 2015, Tehran, Iran.
10. Behnamfar, F. & Madani, B. (2014), "Effects of mutual cross interaction and pounding on nonlinear seismic response of adjacent buildings," Second European Conference on Earthquake Engineering and Seismology, August 2014, Istanbul, Turkey.
11. Behnamfar, F. & Talebi, M. (2014), "An Effective Method for Selection and Modification of Ground Motion for Dynamic Time History Analysis," Second European Conference on Earthquake Engineering and Seismology, August 2014, Istanbul, Turkey.
12. Haghollahi, S. & Behnamfar, F. (2013), "Performance evaluation of special RC moment frames considering soil-structure interaction," 4th International Conference on Concrete and Development, May 2013, Tehran, Iran.
13. Behnamfar, F. & Yazdabad, M. (2013) "Seismic behavior of concrete cylindrical storage tanks," 4th International Conference on Concrete and Development, May 2013, Tehran, Iran.
14. Behnamfar, F. & Afshari, M. (2013) "Seismic analysis of stone arch bridges collapsing under earthquake," 3rd International Conference on Recent Advances in Railway Engineering (ICRARE-2013), May 2013, Tehran, Iran.
15. Behnamfar, F. & Nikbakht, R. (2013) "Structural Response Spectra under Passing Underground Trains," 3rd International Conference on Recent Advances in Railway Engineering (ICRARE-2013), May 2013, Tehran, Iran.
16. Behnamfar, F. & Haghollahi, S. (2012), "Collapse Performance Evaluation of Reinforced Concrete Special Moment Frame Systems," 15WCEE, 24-28 September 2012, Lisboa, Portugal.
17. Sheikholeslami, A.B. & Behnamfar, F. (2012), "Seismic Behavior of New Visco Plastic Device Equipped with Steel cores and Viscoelastic Solid," 15WCEE, 24-28 September 2012, Lisboa, Portugal.
18. Nooraie, M. & Behnamfar, F. (2012), "A new procedure for selection and modification of strong ground motion for nonlinear dynamic analysis," 15WCEE, 24-28 September 2012, Lisboa, Portugal.
19. Behnamfar, F. & Nikbakht, R. (2011), "Assessment Spectra for Structures subject to Passing Underground Trains," PROTECT2011, August 30 – September 1, 2011, Lugano, Switzerland.

20. Behnamfar, F., Sahraei, A. (2011), "Proposing drift pushover analysis as an alternative for current nonlinear static seismic evaluation procedures," 6th International Conference on Seismology and Earthquake Engineering (SEE6), 16-18 May 2011, Tehran, Iran, paper 10335.
21. Behnamfar, F., Pezeshki, A. (2011), "Damage-based seismic design of moment-resisting frames," 6th International Conference on Seismology and Earthquake Engineering (SEE6), 16-18 May 2011, Tehran, Iran, paper 10350.
22. Pezeshki A. & Behnamfar, F. (2010), "Seismic design of multi story buildings. I: Basis of acceptable story damage," 14th European Conference on Earthquake Engineering, Ohrid, Macedonia, August 30-September 3, 2010.
23. Pezeshki A. & Behnamfar, F. (2010), "Seismic design of multi story buildings. II: Member damage control," 14th European Conference on Earthquake Engineering, Ohrid, Macedonia, August 30-September 3, 2010.
24. Berahman F. & Behnamfar F. (2010), "Probabilistic demand model and fragility estimates for critical failure mode of un-anchored steel storage tanks," 9th US National and 10th Canadian Conference on Earthquake Engineering, Toronto, Canada, July 2010.
25. Behnamfar F. & Rajabipour A. (2008), "Probabilistic estimation of fire spreading following an earthquake due to gas pipeline damage," 14WCEE, Beijing, China, Oct. 2008.
26. Berahman F. & Behnamfar F. (2008), "Fragility estimates for un-anchored on-grade steel storage tanks," 14WCEE, Beijing, China, Oct. 2008.
27. Nateghi-Elahi F., Rezaei-Tabrizi A., & Behnamfar F. (2006), "Structure-Soil-Structure Effects on Nonlinear Dynamic Response of Tall Buildings," ECEES, Swiss, September 2006.
28. Behnamfar, F. & Fazeli, E. (2005), "Performance of old stone arch railway bridges under dead, live and seismic loading: a case study," Conmat05, Vancouver, Canada.
29. Hosseini M., Behnamfar F. & Ghafurian S. I. (2002), "A Study on the Seismic Behavior of Tehran Tele-Communication Tower Considering Site Effects," 12ECEE, London, England, August 2002.
30. Behnamfar, F. & Mohajeri A. H. (2001), "A Study on the Dynamic Behavior of Tube or Outrigger-Brace Buildings on Different Soils," SDEE2001, Philadelphia, USA, 2001.
31. Behnamfar, F. (2000), "Survey and Classification of Lifeline Damages in Great Earthquakes of the Last Decade," Proceedings of the Second Japan-Iran Workshop on Earthquake Engineering and Disaster Mitigation, Kobe, Japan, November 2000.
32. Behnamfar, F. & Sugimura, Y. (2000), "Response Analysis of Adjacent Structures and Comparison with Recorded Data," Proceedings of 12WCEE, New Zealand, February 2000.
33. Behnamfar, F. & Sugimura, Y. (1999), "An Investigation on the Importance of Rotational Input of Seismic Ground Motion for Buildings," Proc. of the 3rd International Conf. on Earthquake Engineering & Seismology (SEE3), Vol. II, pp 701-710, Tehran, Iran, May '99.
34. Behnamfar, F. & Sugimura, Y. (1997), "Effects of Random Spatial Variation of Shear and Rayleigh Waves on the Lateral Response of Structures," Proc. of Annual Conf. of AIJ, Sep. '97, Tokyo, Japan.

35. Behnamfar, F. & Sugimura, Y. (1997), "Cross-Interaction of Structures Subject to Deterministic and Random Wave Fields," Proc. of 8th International Conf. on Soil Dynamics and Earthquake Engineering (SDEE'97), July '97, Istanbul, Turkey.
36. Behnamfar, F. & Sugimura, Y. (1997), "On the Dynamic Response of Two Adjacent Embedded Foundations," Proc. of Annual Conf. of Japan Geotechnical Society, July '97, Kumamoto, Japan.
37. Behnamfar, F. & Sugimura, Y. (1997), "Lateral Response of Structures Resting on Flexible Soils Under Shear and Rayleigh Waves," Proc. of Regional Conf. of AIJ, June '97, Sendai, Japan.
38. Behnamfar, F., Sugimura, Y. & Tobita, J. (1996), "Dynamic Response and Cross-Interaction of 2-D Surface Foundations for SH waves," Proc. of Annual Conf. of Architectural Institute of Japan (AIJ), Sep. '96, Kyoto, Japan.
39. Behnamfar, F. & Kurita, S. (1996), "Comparison Between Effects of Body and Surface Waves on Torsionally Coupled Soil-Structure Systems," Proc. of 11WCEE, June '96, Acapulco, Mexico.