

NAME: *Hamzeh Shakib*

Date of Birth: *26.6.1961*

Place of Birth: *Larestan, Iran*

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Language Ability:

Farsi (complete command)

English (well)

Current Position:

- 1. Professor, Tarbiat Modares University, Tehran, Iran, (since 2004).*
- 2. Member of Tehran City Council, since(2003)*

Previous Position:

- 1. Associate Professor, Tarbiat Modares University, Tehran, Iran, (1998-2004).*
- 2. Assistant Professor, Tarbiat Modares University, Tehran, Iran, (1991-1998).*
- 3. Head of Structural Engineering Group, Tarbiat Modares University, 1993-1995.*
- 4. Head of Earthquake Engineering Group, Tarbiat Modares University, 1996-2001.*
- 5. Research Deputy Director, Building and Housing Research Center, 1992-1994.*
- 6. Director, Natural Disaster Center of Iran, 1994-2001.*
- 7. Head of Earthquake and Land Sliding Committee, Ministry of Housing and Urban Planning, 1997-2001.*
- 8. Head of National Accelerograph Network, Building and Housing Research Center, 1998-2001.*
- 9. Project Director, Reconstruction of Earthquake Stricken Region of Northwestern of Iran, World bank, 2002-2006.*
- 10. Consultation and Cooperation with Iran Ministry of Housing and Urban Development, Housing Foundation , National Disaster Committee, Ministry of the Interior, Management and Planning Organization, International Institute of Earthquake Engineering and Seismology, and Building and Housing Research Center.*

Travel History:

Thailand 2009; China 2009,2007,2006;Kuwait 2008,1999; South Africa 2007; India 2006,2002,1998,1994; France 2004; Netherlands2003; US2002; Canada 2001; Russia 2004; Germany 2001, 2002; Japan 2000,2004;

EDUCATIONAL History:

Degree	Institution	Field	Date
B.E.	<i>Bangalore University, India</i>	<i>Civil Eng.</i>	<i>1984</i>
M.Tech.	<i>Indian Institute of Technology, Delhi-India</i>	<i>Structural Eng.</i>	<i>1987</i>
Ph.D.	<i>Indian Institute of Technology, Delhi-India</i>	<i>Structural Dynamics and Earthquake Engineering</i>	<i>1991</i>

EDUCATIONAL History:

MEMBERSHIP OF SCIENTIFIC SOCIETIES:

-Organizer and Member of Revision committee of Iranian Seismic Building Code of Practice (Standard 2800).

-Member of Earthquake Committee of Nation Scientific Researches Council.

-Organizer and Member of Board of Earthquake Engineering Association of Iran.

-Member of Earthquake and Land Sliding Committee.

-Member of Board of Natural Disaster Research institute of Iran

-Member of Board of Prevention Organization and Natural Disaster Management of Tehran Municipality.

-Member of Technical Group of Strengthening and Retrofitting.

RESEARCH INTERESTS:

-Earthquake Engineering

-Structural Dynamics

-Soil-Structure Interaction

-Lifeline Structures; buried pipelines, elevated water tanks

-Strengthening of buildings and Industrial structures

-Strengthening of Masonry Buildings

-Natural Disaster Management

JOURNAL PAPERS:

1. Shakib, H., and Zia Tohidi, R., "Response of buried steel pipelines against three dimensional motions of fault", *Amir Kabir Journal*, Vol.14, No.56-B, PP.1127-1135, 2002. (in Persian)
2. Shakib, H., and Zia Tohidi, R., "Effect of torsion component of earthquake on accidental eccentricity in asymmetric buildings" *International Journal of Engineering Science*, Vol.9, No.5, PP.47-60, 1997. (in Persian)
3. Shakib, H., and Fuladgar, A., "Effect of vertical component of strong earthquakes on the response of buildings with sliding bearings", *International Journal of Engineering Science*, Vol. 14, Issue No.2, pp.15-34, 2003. (in Persian)
4. Shakib, H., and Dehghani, Gh., "Considering soil-structure interaction effects on the equivalent static analysis method of the Iran seismic code", *International Journal of Engineering Sciences*, Iran University of Science & Technology, Tehran, Vol: 13, No.2, pp. 173-192, 2000. (in Persian)
5. Shakib, H., Mozahheb, A. "Seismic response of sliding asymmetric buildings to random ground motion" *Journal of Modares Technical and Engineering*, Tarbiat Modares University, Tehran, No.3, pp. 43-55, Winter 1998. (in Persian)
6. Shakib, H., Sadrneshin, "Evaluation of seismic torsional provisions for the seismic building codes considering the effect of soil-structure interaction" *Journal of Engineering*, Esteghlal, Isfahan University of Technology, Vol.18, No.1, pp.89-101,

1999. (in Persian)
7. Shakib, H., "Evaluation of seismic behavior of Ferro cement elevated water tanks using ambient vibrations tests" *Journal of Engineering, Esteghlal, Isfahan University of Technology, Vol.17, No.1, pp.53-69, 1998. (in Persian)*
 8. Shakib, H., Hosseini, M. "Analysis of concrete water towers under seismic excitations" *Journal of Science and Technology, Amirkabir, Vol.9, No.34, pp.109-122, 1997. (in Persian)*
 9. Shakib, H., Bayat, H. "Reasons of failure of reinforced concrete buildings in the Ardcool village due to the Ghaenat earthquake", *Journal of Science and Technology, Amirkabir, Vol. 9, No.36, PP.486-493, 1997. (in Persian)*
 10. Shakib, H., "Evaluation behavior of buried pipelines in the seismic areas" *Journal of Bana, Iranian Society of Civil Engineers, No. 6, pp.62-72, 1397. (in Persian)*
 11. Shakib, H. and Majedi A, M.H., "Seismic evaluation of Rural wood buildings in Gilan province" *Journal of Housing and Revolution, No. 71, PP.15-19, 1997. (in Persian)*
 12. Shakib, H., Amini, N., "Evaluation of different buildings analysis to seismic forces", *Journal of Housing and Revolution, No. 67, pp.25-32, 1996. (in Persian)*
 13. Shakib, H., and Datta, T.K., "Inelastic response of torsionally coupled system to an ensemble of non-stationary ground motion", *Journal of Engineering Structure, Buttrwourth, U.K., Vol: 15, No.1, pp. 13-20, 1993.*
 14. Shakib, H., et al, "Response of torsionally coupled system to random ground motion", *Journal of European Earthquake Engineering, Italy, Vol: 3, pp.16-28, 1992.*
 15. Shakib, H., and Datta T.K., "Nonlinear coupled response of tension leg platforms", *Journal of China Ocean Engineering, Vol.: 4, pp. 261-272, 1990.*
16. Shakib, H. "Evaluation of torsional provisions in the Iranian seismic code" *International Journal of Engineering Sciences, Iran University of Science & Technology, Tehran, Vol. 9, No.3, pp. 1-22, 1998.*
 17. Shakib, H., and Zia Tohidi, R., "Evaluation of accidental eccentricity in buildings due to rotational component of earthquake", *Journal of Earthquake Engineering, Vol.6, No.4, pp.431-445, 2002.*
 18. Shakib, H., and Fuladgar, A., "Response of pure-friction sliding structures to three components of earthquake excitation" , *Computers & Structures, Vol. 81, Issue 4, pp. 189-196, 2003*
 19. Shakib, H., and Fuladgar, A., "Effect of vertical component of earthquake on the response of pure-friction base-isolated asymmetric buildings", *Engineering Structures, Vol. 25, Issue 14, pp.1841-1850, 2003*
 20. Shakib, H., and Ahmadizadeh, M., " On the December 26, 2003, southeastern Iran earthquake in Bam region", *Engineering Structures, Vol. 26, Issue 8, pp. 1055-1070, 2004*
 21. Shakib, H., and Fuladgar, A., "Dynamic soil–structure interaction effects on the seismic response of asymmetric buildings", *Soil Dynamics and Earthquake Engineering, Vol. 24, Issue 5, pp. 379-388, 2004*

22. Shakib, H., "Evaluation of dynamic eccentricity by considering soil-structure interaction: a proposal for seismic design codes", *Soil Dynamics and Earthquake Engineering*, Vol. 24, Issue 5, pp. 369-378, 2004

CONFERENCE PAPERS:

23. Shakib H., Dardaei S. and Prizadeh M. "A Proposed Seismic Risk Reduction Program for the Mega City of Tehran, Iran" *Second International Conference on GeoInformation Technology for Natural Disaster Management and Rehabilitation*, 29-30 January 2009, Asian Institute of Technology (AIT), Bangkok, Thailand.
24. Shakib H. and Charkhiari F. "Evaluation of dynamic characteristics of 19-story asymmetric steel building by ambient vibration tests" *Second AESE*, December 2007, Shanghai, China.
25. Dardaei S. and Shakib H. "Effect of Simultaneous Horizontal Component of Near-Fault Earthquake Motions on the Inelastic Response of 3-D Structures", 2007, Durban, South Africa.
26. Shakib, H., and Mokhtari, M., "Evaluation of seismic behavior of tunnels with concrete cover", *Third International conference on geotechnical and soil mechanic engineering of Iran*, Tehran, 2002.
27. Shakib, H., and Eskandari, T., "The simultaneous effect of lateral and vertical components of earthquake on behavior of base isolated asymmetric concrete buildings", *First conference of concrete and development*, Tehran, 2001.
28. Shakib, H., "Evaluation of concrete buildings behavior in Izmir-Turkey earthquake", *First conference of concrete and development*, Tehran, 2001.
29. Shakib, H., "Response of buried pipelines against two dimensional motions of fault", *International conference of hydraulic structures*, Kerman, Iran, 2001.
30. Shakib, H., "Effect of structural important parameters on seismic behavior of asymmetric buildings", *5th International conference of civil engineering of Mashhad*, Mashhad, Iran, 2000. (PRESENTED AS KEY NOTE SPEAKER)
31. Shakib, H., "Geometric nonlinear analysis of airy water tanks under earthquake force", *5th International conference of civil engineering of Mashhad*, Mashhad, Iran, 2000.
32. Shakib, H., "Vulnerability seismic evaluation of important steel buildings using nonlinear analysis", *5th International conference of civil engineering of Mashhad*, Mashhad, Iran, 2000.
33. Shakib, H., and Majedi, M., "Vulnerability evaluation of materials of rural buildings", *1st scientific conference of road and structure society of Iran*, Tehran, Iran, 1999.
34. Shakib, H., and Alavi Nasab, A., "Performance evaluation of water supply systems in recent earthquakes", *1st scientific conference of road and structure society of*

- Iran, Tehran, Iran, 1999.*
35. Shakib, H., Barakchian, M., and Ahmadi, M., "Seismic vulnerability evaluation methods of structures", 1st scientific conference of road and structure society of Iran, Tehran, Iran, 1999.
 36. Shakib, H., and Mirzaei, H. "Engineering evaluation of the earthquake records of Iran in the past twenty-five years", 5th international conference on Civil Engineering, Esfahan, 2003.
 37. Shakib, H., Fuladgar, A., Ahmadi, M., "A study on the response of pure-friction base isolated asymmetric buildings subjected to simultaneous three components of earthquake excitations", 5th international conference on Civil Engineering, Esfahan, 2003.
 38. Farzanegan, E., and Shakib, H., "Data acquisition and processing of the strong ground motions in the Accelerograph Network Center of Iran", 5th international conference on Civil Engineering, Esfahan, 2003.
 39. Shakib, H., and Ahmadizadeh, M., "3-D analysis of one storey stone masonry buildings subjected to earthquake excitation", 12th Symposium on Earthquake Engineering, pp-886-897, India, 2002. (PRESENTED AS KEY NOTE SPEAKER).
 40. Shakib, H., Ahmadizadeh, M., and Rashtian, M., "Evaluation of behavior of buildings in Changureh-Avaj earthquake stricken region", 12th Symposium on Earthquake Engineering, pp-772-781, India, 2002.
 41. Shakib, H., and Touhidi R.Z. "A study on shallow buried pipelines response to normal fault movement", Second Japan Iran Workshop on Earthquake engineering and disaster mitigation, November 17th-19th, 2000, Kobe Japan.
 42. Shakib, H., and et al, "General review of recent damaging earthquakes in Iran" 3rd Seismology, Earthquake Hazard Assessment, ASC, Tehran, October 2000.
 43. Shakib, H., and et al, "The Iran national strong motion network- achievement and prospect", 3rd Seismology, Earthquake Hazard Assessment, ASC, Tehran, October 2000.
 44. Shakib, H., and Dehghani, GH., "Generation of artificial earthquake accelerations compatible with design spectrum of the Iranian seismic code", 3rd Seismology, Earthquake Hazard Assessment, ASC, Tehran, October 2000.
 45. Shakib, H., and Kaveyani, M., "Seismic design of unreinforced masonry Building with pure friction supports", 11th Symposium on earthquake engineering, Vol.II, pp.721-728, Roorkee, India, 1998.
 46. Shakib, H., "Non-linear seismic torsional behavior of buildings: A proposal for Iranian seismic building code-1988", 11th European Conference on Earthquake

Engineering, France, pp: 1-8. 1998.

47. *Shakib, H., and Basaligheh, F., "Inelastic dynamic analysis of concrete tall buildings with staggered shear panels" First National Conference on High-rise Buildings, Iran University of Science and Technology, PP. 262-270, Tehran, 1997.*
48. *Marashi and Shakib, H., "Evaluation of dynamic characteristic of elevated water tanks By ambient vibration tests", International Conference on Civil Eng., Vol. 1, PP. 367-373, Sharif University, Tehran, 1997.*
49. *Shakib, H., Fatemi A., M., and Majedi A., M., H., "The study on inefficient performance of rural construction during Garmkhan Earthquake; North Khorasan-Iran", 4th Int. Conference on Civil Engineering, Sharif University of Technology, PP. 426-433, 1997.*
50. *Shakib, H., and Mozahheb. A., "Behaviour of pure-friction sliding buildings to earthquake force" Earthquake, Damage Mitigation and Reconstruction, Shiraz University, Fars, 1996.*
51. *Shakib, H., and Majedi A., M., H., "Proposed methods for earthquake resistant rural wood buildings" Earthquake, Damage-Mitigation and Reconstruction patterns, Shiraz University, Fars, 1996.*
52. *Shakib, H., and Majedi A., M., H., "Evaluating rural damaged buildings in seismic regions" 3rd Seminar of Housing Development Policies in Iran, Tehran, October 1996.*
53. *Shakib, H., Ghattee, P. and Majedi A., M., H., "Proposed technical procedures for rural housing development" Seminar of Housing Development policies in Iran, Tehran, October 1995.*
54. *Shakib, H., and Ghatee. P., "Strong ground motion simulation to design special structures" 9th Conference on Geophysics, Tehran University, 1996.*
55. *Shakib, H., and Amini, N., "Proposed seismic torsional provision for the Iranian Building Code-1988", SEE-2, Vol. II, Tehran, Iran, 1995.*
56. *Shakib, H., "Inelastic analysis of flexible base torsionally coupled system to an ensemble of random ground motion", ERCAD, Berlin, 15-17 June 1994.*
57. *Shakib, H., and Abdolsalami, "Analysis of buried pipelines to random ground motion in homogeneous medium", 10th European Conference on Earthquake Eng., 25-2 Sept. 1994, Vienna, Austria.*
58. *Shakib, H., Soleimani-Nejad, M, R., "3-D Inelastic analysis of asymmetric building*

to random ground motion”, 3rd World Congress on Computational Mechanics. August 1-5, 1994 Vol. I, Japan.

59. *Tasnimi, A.A., and shakib, H., “Flexural and ductile behaviour of precast concrete column-footing joint”, 10th Symposium on Earthquake Engineering, Vol. 1, 1994, India.*
60. *Razaghi A., N. and Shakib, H., “Analysis of framed structures with staggered shear walls” 8th Int. Seminar, Earthquake Prognostics, Natural Disaster Research Center, PP 579-588, October 1993 Tehran.*
61. *Shakib, H., and Tasnimi, A.A., “Inelastic response of asymmetric building to non-stationary seismic excitation”, International Conference on Tall Buildings, PP. 319-324, Malaysia, 1992.*
62. *Shakib, H., “Effect of soil-structure interaction on the response of the asymmetric tall buildings to earthquake excitation”, International Conference on Tall Buildings. PP. 313-316, Malaysia, 1992.*
63. *Shakib, H., “Analysis of framed structure with staggered shear wall by finite element method”, the First Conference on Consideration of Tectonical Geophysical, Seismological and Geotechnical Problems of Iran and Azerbaijan, Tabriz University, 1992.*
64. *Shakib, H., and Datta T.K., “Elastic response of torsionally coupled system of random ground motion”, Proc. First International Conference on Seismology and Earthquake Engineering, Vol. II, PP. 613-261, Tehran, 1991.*
65. *Shakib, H., and Datta T.K., “Inelastic response of torsionally coupled system to non-stationary ground motion”, Proc, First international Conference on Seismology and Earthquake Engineering Vol. II, PP. 623-630, Tehran, 1991.*
66. *Shakib, H., and Tasnimi, A.A., “Structure-foundation interaction in the inelastic response of torsionally asymmetric building to non-stationary earthquake exciation” 10th Symposium on Earthquake Engineering, Vol. 1, 1991 India. (Note: selected for special lecture).*
67. *Shakib, H., et al “ Inelastic response of asymmetric system to an ensemble of earthquake records”, 9th Symposium on Earthquake Eng., Vol. 1, Theme 8, 17-27, Roorkee, India, 1990.*
68. *Shakib, H., “Non-linear analysis of tension leg platform to wave forces”, 3rd. International Conference on Civil Eng., University of Shiraz, Shiraz Iran, 1990.*