

Seyed Mohammad Javad Foroughi Moghadam's Detailed Curriculum Vitae

Updated in FEB 2018



6th workshop of nonlinear analysis methods and principals of related codes
International Institute of Earthquake Engineering and Seismology (IIEES), August 2014.

Present Occupations:

Teacher at civil department of Najaf Abad brunch of Islamic azad university (IAU).

Address: Islamic Azad University (IAU), Najaf Abad, Isfahan, Iran.

Website: www.iaun.ac.ir

Manager of Daneshaar Institute, Isfahan, Iran.

Website: www.daneshsaar.ir & www.opensees.ir

Email: smj.foroughi@iiees.ac.ir & smj.foroughi@gmail.com

Education:

B.Sc. in Civil Engineering, Civil Engineering Department, Najaf Abad brunch of Islamic azad university (IAU). 2009 (privileged student).

M.Sc. in Civil Engineering (continuously after B.Sc. studies) – Majoring in Structural Engineering, Civil Engineering Department, International Institute of Earthquake Engineering and Seismology (IIEES) , 2012.

COMPLEMENTARY EDUCATION (most recent first):

- Supervisor Responsibilities, 3day course in Isfahan Construction Engineering Organization, January 2015.
- Article preparation and writing, 2day course in Najaf Abad brunch of Islamic azad university (IAU). April 2010.
- Research Methods and Web Search, 2day course in Najaf Abad brunch of Islamic azad university (IAU). January 2010.
- Civil Engineering software, special course in Isfahan Construction Engineering Organization, June 2009.
- English language, 3 years of studying English in Zabansara Institute of Isfahan, February 2007. (getting diploma)

Journal and Magazine Papers (oldest first):

- Kalantari A., Foroughi S.M.J. Seismic demand on shear keys in skewed highway bridges, 10th International Conference On Vibration Problems (ICOVP), Prague, Czech Republic, 2011.
- Foroughi S.M.J , Kalantari A, Seismic demand on shear keys in skewed concrete highway bridges, 9th international congress of civil engineering, Isfahan University of Technology (IUT), Iran, 2011.
- Foroughi S.M.J., Kalantari A., Effect of Skewness on Shear Force Applied to Shear Keys in Skewed Highway Bridges, 6th International Conference on Bridge Maintenance, Safety and Management, Italy, 2012.
- Kalantari A., Foroughi S.M.J. On the effect of shear key strength on seismic demand of skewed highway bridge, a case study, Accepted in Advances in Civil Engineering Journal, Bridge Structures, Hindawi Publishing Corporation, 2011.
- Kalantari A., Foroughi S.M.J. Frictional shear keys for reducing skewed bridge deck rotation, Submitted to Earthquake Engineering and Engineering Vibration Journal, China, 2012.
- Kalantari A., Foroughi S.M.J, Effect of Geometric Parameters on Seismic Performance of External Shear Keys in Skewed Highway Bridges, 15th World Conference of Earthquake Engineering, Portugal, 2012.
- M. Mashmouli, G.R. Abdollahzadeh., M.J. Foroughi Moghadam, Numerical Investigation on Dynamic Increase Factor Recommended by UFC 4-023-03 Guideline, IDRC, Switzerland. 2016

Books and technical reports (all in Persian):

- Seismic behavior of skewed highway bridges, Report No. ??? by A. Kalantary and SMJ. Foroughi. IIEES, 2014
- The Most Complete Applied Reference of OpenSEES (in Persian), Negarandeh Danesh Pub, May 2017
- How to fix errors in OpenSEES software, (under preparation)

PRESENTATIONS AT SHORT COURSES, SEMINARS AND WORKSHOPS (older first):

- 3rd workshop of nonlinear analysis methods and principals of related codes International Institute of Earthquake Engineering and Seismology (IIEES), Tehran, Iran, October 2013.
- 2day course of modeling structures using OpenSEES software. Pishro Danesh Institute, Isfahan, Iran, November 2013.
- 4th workshop of nonlinear analysis methods and principals of related codes International Institute of Earthquake Engineering and Seismology (IIEES), Tehran, Iran, January 2014.
- 5th workshop of nonlinear analysis methods and principals of related codes International Institute of Earthquake Engineering and Seismology (IIEES), Tehran, Iran, February 2014.
- 6th workshop of nonlinear analysis methods and principals of related codes International Institute of Earthquake Engineering and Seismology (IIEES), Tehran, Iran, August 2014.
- 3day course of modeling structures using OpenSEES software. Khaneh Omran Institute, Mashhad, Iran, September 2015.
- 3day course of modeling structures using OpenSEES software. Khaneh Omran Institute, Mashhad, Iran, November 2015.
- 1day course of modeling structures using OpenSEES software. University of Tabriz, Tabriz, Iran, December 2015.
- 3day course of modeling structures using OpenSEES software, Tabriz, Iran, December 2015.

- 3day course of modeling structures using OpenSEES software, Kermanshah, Iran, January 2016.
- 3day course of modeling structures using OpenSEES software, Shiraz, Iran, February 2016.
- 8th workshop of nonlinear analysis methods and principals of related codes International Institute of Earthquake Engineering and Seismology (IIEES), Tehran, Iran, February 2017.
- 1day course of modeling structures using OpenSEES software. University of Yazd, Yazd, Iran, November 2017.
- 3day course of modeling structures using OpenSEES software, University of Yazd, Yazd, Iran, October 2017.
- 3day course of modeling structures using OpenSEES software, Ahvaz, Iran, January 2018.
- 3day course of modeling structures using OpenSEES software, Islamic Azad University of Shahrekord, Iran, January 2018.
- More than frothy-five 3day course of modeling structures using OpenSEES software from December 2010 till now in Tehran, Iran.

PROFESSIONAL EXPERIENCE:

Teaching:

- OpenSEES Programming, M.Sc. & Ph.D. program for civil engineers, Damoon Institute, Tehran, Iran (more than 45 courses since May 2009).
- Engineering Dynamics, B.Sc. program in civil engineering, Allameh Naeini University, September 2014.
- English for civil engineering students, B.Sc. program in civil engineering, Allameh Naeini University, September 2014.
- Engineering Geology, B.Sc. program in civil engineering, Allameh Naeini University, September 2014.
- Earthquake Engineering, B.Sc. program in civil engineering, Allameh Naeini University, September 2014.
- Mechanics of Materials, B.Sc. program in civil engineering, Najaf Abad brunch of Islamic azad university (IAU) , January 2015 till Now.
- Computer Programming, B.Sc. program in civil engineering, Najaf Abad brunch of Islamic azad university (IAU) , January 2015 till Now.
- Structural Analysis, B.Sc. program in civil engineering, Najaf Abad brunch of Islamic azad university (IAU) , January 2015 till Now.

Professional Engineering Works:

- Supervisor assistant in Education Science Department Building, Hooman Beton Company, University of Isfahan, Isfahan, Iran. June, 2007.
- Consultancy of Earthquake engineering specifications in Hydraulic structures in Padidab consulting Company, April, 2012.
- Structural design of conference hall of Falavarjan military zone, Isfahan, Iran. April, 2014.

Launch and Managing:

- Launching and managing special website for OpenSEES users in Persian, www.opensees.ir, January 2012.
- Establishment of Daneshsaar institute for engineering students, www.daneshsaar.ir, Isfahan, Iran, March 2012.

RESEARCH INTERESTS:

- Seismic design of skewed highway bridges
- Seismic behavior of concrete highway bridges
- Reduce damage of highway bridges by using dampers and new instruments
- Structural and geotechnical modeling by OpenSEES
- Seismic isolation of structures (mostly for bridges)
- Progressive collapse investigation of long bridges
- Tuned mass damper effects on high-rise buildings behavior
- Incremental dynamic analysis of structures

TEACHING INTERESTS:

- Structural analysis, Mechanics of materials, Earthquake Engineering and Structural dynamics for civil engineering students.
- Structural modeling using OpenSEES software.
- Computer Programming for civil engineering students.

MEMBERSHIPS (oldest first):

- Young research center, Isfahan, Iran, 2009.
- Isfahan Construction Engineering Organization, 2010.
- Iranian society of bridge engineering, 2011.
- Islamic society of Isfahan Construction Engineering Organization, 2012.
- Iranian society of steel structure (ISSS), 2014.

HONORS AND AWARDS AND INVENTIONS:

- Owner of best website (www.daneshsaar.ir) of academic brunch in 6th Iran Web Festival, www.iranwebfestival.com, January 2014.
- Invention of special wrench in Mechanical Brunch in Registration of Real Estate, Tehran, Iran, June 2017.
- Registration of The Most Complete Applied Reference of OpenSEES (Book in Persian) in official OpenSEES software page at Berkeley University website (www.opensees.berkeley.edu), January 2018.

PERSONAL:

- ✓ Born on April 9, 1987 – Height: 184 cm (6 ft) & Weight: 85 kg (187 lbs).
- ✓ Married on October 2014.
- ✓ Interested in travelling, music and volleyball.