Mehrdad Mohammadnejad Resume Last Updated: April 2019

Contact Information

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Biography

- Mehrdad Mohammadnejad is currently an assistant professor in the Department of Civil Engineering, Birjand University of Technology. He received his PhD in Structural Engineering from Ferdowsi University of Mashhad (FUM), Iran. His PhD study focused on the Design of Tall and Special Buildings. Dr. Mohammadnejad has more than 7 years of experience in the field of Design of Tall and Special Buildings. He has published more than 50 papers in peer reviewed journals and conference proceedings. His research interests lie in the area of Tall and Special Buildings, Dynamics of Structures, Seismic Design of Steel and Concrete Structures, Performance-based design.

Research Interests

- Tall and Special Buildings
- Dynamics of Structures
- Seismic Design of Steel and Concrete Structures
- Seismic Strengthening and seismic improvement
- Earthquake Engineering
- Soil -Structure Interaction
- Performance-based design
- Reliability of structures

Academic CV

B.S Civil Engineering, Shahid Bahonar University of Kerman, Kerman, Iran.

M.Sc Structural Engineering, Shahid Bahonar University of Kerman, Kerman, Iran.

Ph.D Structural Engineering, Ferdowsi University of Mashhad, Mashhad, Iran.

Doctoral thesis "Determination of the optimum location of the belt truss according to maximization of the natural frequencies using weak form integral equations",

Supervised by. Professor Hasan Haji kazemi

Some Recent Journal Publications

١- Mohammadnejad, M., and Haji Kazemi, H., (2018), "A new and simple analytical approach to determining the natural frequencies of framed tube structures", Journal of Structural Engineering and Mechanics, 65(1), 111-120.

٢- Mohammadnejad, M., and Haji Kazemi, H., (2017), "Dynamic response analysis of a combined system of framed tube, shear core and outrigger-belt truss", Asian Journal of Civil Engineering (BHRC), 18(8), 1211-1228.

٣- Mohammadnejad, M., (2015), "A new analytical approach for determination of flexural, axial and torsional natural frequencies of beams", Structural Engineering and Mechanics an International Journal, 55(3), 655-674.

٤- Saffari, H. and Mohammadnejad, M., (2015), "On the application of weak form integral equations to free vibration analysis of tall structures", Asian Journal of Civil Engineering (BHRC), 16(7), 977-999.

٥- Mohammadnejad, M., Saffari, H. and Bagheripour, M. H., (2014), "An Analytical Approach to Vibration Analysis of Beams with Variable Properties", Arabian Journal for Science and Engineering, 39(4), 2561-2572.

٦- Saffari, H., Mohammadnejad, M., and Bagheripour,MH., (2012), "Free vibration analysis of non-prismatic beams under variable axial forces", Structural Engineering and Mechanics an International Journal, 43(5), 561-582.

Teaching

Graduate: Earthquake Engineering, Static, Strength of Materials, Structural Analysis I&II, Design of Steel and Concrete structures,

Postgraduate: Design of Tall and special buildings, Stability of Structures, Dynamics of structures, Advanced Seismic Design of Structures,