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Educational Background

PhD in Structural Engineering	University of Science and Technology.....	2010-2014
MS in Structural Engineering	University of Science and Technology.....	2007-2009
BS in Civil Engineering	Islamic Azad University, Mashhad Branch.....	2003-2007

Administrative Positions

Dean of Construction Planning Office	2016-2017
Head of Department of Civil Engineering and Architecture	2018-2020

Research Interests

Post-Mainshock Structural Safety Assessments
Residual Collapse Capacity Studies
Optimal Design of Structures
Nonlinear Analysis of Structures
Performance-based Design of Structures
Metaheuristic Optimization Algorithms

Courses

Undergraduate Courses: Solid Mechanics / Structural Analysis
Graduate Courses: Stability of Structures

Papers in Journals

- [1] Kaveh A., Kalateh-Ahani M., and Masoudi M.S., "The CMA evolution strategy based size optimization of truss structures", *International Journal of Optimization in Civil Engineering*, 2011; 1(2): 233-256.
- [2] Kaveh A., Fahimi-Farzam M. and Kalateh-Ahani M., "Time-History analysis based optimal design of space trusses: the CMA evolution strategy approach using GRNN and WA". *Structural Engineering and Mechanics*, Techno Press, 2012; 44(3): 379-403.
<http://dx.doi.org/10.12989/sem.2012.44.3.379>
- [3] Kaveh A., Kalateh-Ahani M and H.E. Estekanchi. "Production of endurance time excitation functions: The CMA evolution strategy approach", *Iranian journal of science and technology*. 2012; 37(c): 383-394.
- [4] Kaveh A., Bakhshpoori T., and Kalateh-Ahani M. "Optimum plastic analysis of planar frames using ant colony system and charged system search algorithms", *Scientia Iranica A*, 2013; 20 (3): 414-421.
- [5] Kaveh A., Kalateh-Ahani M., Fahimi-Farzam M. "Constructability optimal design of reinforced concrete retaining walls via a multi-objective genetic algorithm", *Structural Engineering and Mechanics*, Techno press, 2013; 47(2): 227-245
<http://dx.doi.org/10.12989/sem.2013.47.2.22>
- [6] Kaveh A., Kalateh-Ahani M., Fahimi-Farzam M. "Life-cycle Cost optimization of steel moment-frame structures: performance-based seismic design approach", *Earthquakes and Structures*, Techno press, 2014; 7(3): 271-294.
<http://dx.doi.org/10.12989/eas.2014.7.3.271>
- [7] Kaveh A., Kalateh-Ahani M., Fahimi-Farzam M. "Damage-based optimization of large-scale steel structures", *Earthquakes and Structures*, Techno press, 2014; 7(6): 1119-1139.
<http://dx.doi.org/10.12989/eas.2014.7.6.1073>
- [8] Kaveh A., Fahimi-Farzam M., and Kalateh-Ahani M. "Performance-based multi-objective optimal design of steel frame structures: nonlinear dynamic procedure". *Scientia Iranica A*, 2015; 22(2): 373-387.
- [9] Kaveh A., Fahimi-Farzam M., and Kalateh-Ahani M. "Optimum design of steel frame structures considering construction cost and seismic damage", *Smart Structures and Systems*, Techno press, 2015; 16(1): 1-26.
<http://dx.doi.org/10.12989/sss.2015.16.1.001>
- [10] Kalateh-Ahani M, and Sarani A. "Performance-based Optimal Design of Cantilever Retaining Walls", *Periodica Polytechnica Civil Engineering*, 2019; 63(2): 660-673.
<https://doi.org/10.3311/PPci.13201>
- [11] Kalateh-Ahani M, and Amiri S. "A Park-Ang Damage Index-based Framework for Post-mainshock Structural Safety Assessment", *Structures*, 2021; 33: 820-829.
<https://doi.org/10.1016/j.istruc.2021.04.039>