
Mojtaba Khayatazad, Ph.D. researcher

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Summary

Dynamic and highly motivated civil engineer with a keen interest in structural health monitoring, structural design and data processing. Strong analytical skills, flexibility and passion for complex problem solving to be further deployed in a challenging position where I can learn and stretch my potential to the limit.

Skills

Structural Health Monitoring/ Damage monitoring, Condition monitoring, Image-based corrosion detection, Weld inspector

Data processing/ Languages: SQL, Matlab, Python.

Stability calculations according to standards/ Software: SAP 2000, ETABS, SAFE, AutoCAD

Finite Element Analysis/ Software: Abaqus, ANSYS

Strengthening of RC structures/ Fiber reinforced polymer

Creativity/ Second most-cited paper in the journal of computers & structures (citation: 580), A novel data processing procedure for piezoelectric transducers (Ready-to-submit paper waiting for patent registration)

Leadership and teamwork/ Counsellor of 6 M.S. students

Language/ English(Pro. working proficiency), Farsi (Native), Dutch (Basic), Arabic (Basic)

Education

Ghent University / Doctoral Researcher

OCTOBER 2018 - PRESENT, Gent, Belgium

Structural health monitoring of steel structures using electromechanical impedance method for crack monitoring and artificial intelligence for image-based corrosion detection.

Iran University of Science and Technology / M.S. degree in civil engineering (structural engineering)

SEPTEMBER 2010 - SEPTEMBER 2012, Tehran, Iran

Optimization of concrete retaining walls using an innovative meta-heuristic algorithm (Ray Optimization)

Ferdowsi University of Mashhad / Bachelor's degree in civil engineering.

SEPTEMBER 2006 - SEPTEMBER 2010, Mashhad, Iran

Certificates

Chartered Engineer as a Structural Designer, Supervisor and Executive Engineer.

From: Iran Construction Engineering Organization (IRCEO)
February 2015 - PRESENT, Mashhad, Iran.

Structural Health Monitoring to Support Decision-Making in Civil Engineering

From: www.ingeoexpert.com

Arduino

From www.udemy.com

SQL Programming

From www.udemy.com

Experience

Chartered Engineer

FEBRUARY 2015 - PRESENT, Mashhad ,Iran.

Structural (stability) design of steel and reinforced concrete structures

Specific projects:

- Structural (stability) design of space frames
JANUARY 2016 - JANUARY 2017, Mashhad ,Iran.
- Structural (stability) design of check dams
APRIL 2015 - DECEMBER 2015, Mashhad ,Iran.
- Structural (stability) design of flexible ring net barrier
OCTOBER 2014 - FEBRUARY 2015, Mashhad ,Iran.
- Feasibility study on the 3D concrete panel construction in Iran
NOVEMBER 2013 - SEPTEMBER 2014, Mashhad ,Iran.
- Project manager of a residential building
JULY 2012 - OCTOBER 2013, Mashhad ,Iran.

Awards

Scholarship recipient as a Ph.D. student, Universiteit Gent, 2018.

Second most cited article in the international journal of Computers and structures: "A new meta-heuristic method: Ray Optimization", 2013.

Scholarship recipient from Iran National Elites Foundation for researching on concrete 3D panels, 2013.

Distinguished as the second student among 20 fellow students in M.sc degree, 2012

Distinguished as the first 15% students among fellow students in Bachelor's degree, 2010

Publications

9 published journal and conference papers.

Please see my google scholar [here](#).