

Resume

Morteza Khatib

■ Professional Summary

A self-motivated business developer with more than eight years of experience in structural and concrete materials engineering. Broad based knowledge of building materials and research experience from concept development, and laboratory testing through implementation of new methods in the field. Skilled in forensic evaluation of existing concrete structures, nondestructive testing, performance and damage assessment, and repair design. Strong background in concrete durability in aggressive environment, alternative cementitious materials, sustainability and resiliency in concrete construction, and durability of Fiber Reinforced Polymer (FRP) composites.

■ Education

- Doctor of Philosophy in Civil Engineering Aug 2015 – Aug 2018
University of Miami, Coral Gables, FL
Dissertation: Sustainable Concrete Using Seawater and Glass Fiber Reinforced Polymer Bars
- Master of Science in Civil Engineering Jan 2013 – July 2014
Oklahoma State University, Stillwater, OK
Thesis: Insights into the Mechanisms of Salt Scaling of High Volume Fly Ash Concrete
- Bachelor of Science in Civil Engineering 2007 - 2012
Azad University, Mashhad, Iran

■ Professional Experience

- Assistant Scientist August 2018 – Present
Structures and Materials laboratory, University of Miami, Coral Gables, FL
Forensic chemical and physical analysis, repair design, developing and testing concrete mixture designs to meet various strength, durability and sustainability requirements, and standard and specialized tests of various cementitious materials, aggregates, repair materials, admixtures, curing compounds and sealers.
- Research Associate July 2015 – August 2018
Structures and Materials laboratory, University of Miami, Coral Gables, FL
Nondestructive evaluation, sustainability and resiliency, and standard and customized durability testing. Mentored 3 masters' and 6 undergraduate students.
- Research Assistant Jan 2013 – July 2015
Bert Cooper Engineering Laboratory, Oklahoma State University, Stillwater, OK
Concrete durability in aggressive environment, alternative cementitious materials, and standard and customized durability testing. Mentored 4 undergraduate students.
- Engineering Intern Oct 2011 – Oct 2012
Parniyan Inc., Construction Firm, Mashhad, Iran
Field engineer – concrete structures.

- ❑ Undergraduate Research Assistant May 2009 – Sep 2011
Construction Material Laboratory, Azad University, Mashhad, Iran
Helped many graduate students in development, design, and implementation of research experiments on concrete materials.

■ Awards and Honors

- ❑ Outstanding Service Award, American Concrete Institute, May 2018.
- ❑ Student Exemplar Award, University of Miami, April 2018.
- ❑ Member of the search committee for the chairman of the Emilio Bacardi Chair of Cuban Studies. Assigned by the President and Provost of University of Miami, Spring 2018.
- ❑ National Science Foundation (NSF) travel grant recipient to attend the Oregon State University Doctoral Short Course and Workshop, Corvallis, OR, July 2017.
- ❑ Best Poster Presentation Award, University of Miami Research Week, Coral Gables, FL, February 2017.
- ❑ Best Poster Presentation Award, Oklahoma Transportation Research Day, Oklahoma City, OK, October 2015.
- ❑ Best Poster Presentation Award, American Ceramic Society; 6th Advances in Cement-based Materials, Manhattan, KS, July 2015.
- ❑ College of Engineering, Architecture, and Technology Top Tier Fellowship, Oklahoma State University, Fall 2014.
- ❑ David A. McAlpine Graduate Fellowship, Spring 2014.
- ❑ Bert Cooper Graduate Scholarship, Fall 2013.

■ Leadership

- ❑ American Concrete Institute (ACI) Student Chapter at University of Miami, Founder and President, 2017 – 2018.
- ❑ Graduate Engineering Students Council, University of Miami, President, 2017 – 2018.
- ❑ Graduate Activity Fee Allocation Committee (GAFAC), University of Miami, College of Engineering Representative assigned by the Dean of College, 2017 – 2018.
- ❑ Graduate Student Association, Senator, 2017 – 2018.
- ❑ Graduate & Professional Student Government Association, Oklahoma State University, Senator, 2014 – 2015.
- ❑ Iranian Student Association, Vice President, 2014 – 2015.