Ali Khatibzadeh

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EDUCATION

2015-present

M.Sc in **Mechanical Engineering** – Iran University of Science and Technology (WR 601-650)

- **Dissertation title:** "Identification of reaction force in the frictional contact using stochastic model updating."
  Advisor: Prof. Ahmadian
- Among the top 5% in the national graduate entrance exam - Received tuition waiver
  GPA: **17.16/20** (ranked 5/24)

2011-2015

B.Sc in **Mechanical Engineering** – University of Sistan and Balochestan (WR 601-800)

- **Dissertation title:** "Aerodynamic Analysis of the wind turbine blades in both horizontal and vertical axis modes using ANSYS FLUENT software also the calculation of optimum performance."
  Advisor**:** En.Imanparast
- Among the top 10% in the national graduate entrance exam - Received tuition waiver
  GPA: **18.26/20** (ranked 1/35)

Research Interests

Health Monitoring, Damage Identification, Modal Analysis, Signal Processing, Uncertainty Quantification, Model Updating, Structural Reliability.

Publications

Journals

- **Khatibzadeh.A, Ahmadian.H,** "Identification of bolted-joint interface models through stochastic model updating of different thin layers properties". **In preparation**

Experience

2012-present

- **Part-time Technician**, ABPVibro CO.
  Involved in the number of condition monitoring and vibration analysis projects for industry
  2017-presnet
- **Internship,** Jovein Cement CO.
  Gained familiarity with general procedures in Maintenance,
  Earned valuable experience in an industrial atmosphere.

Academic Projects and Experience

Selected Projects:

- **Modal Testing (Masters):** Developed and presented a coursework titled "Interval model updating a bolted joint connection using the multiple genetic algorithm method", Managed to submit a journal paper.

  Advisor: Prof. Ahmadian

- **Nonlinear Vibration (Masters):** Developed a presentation titled "Nonlinear model identification of a frictional contact support." Advisor: Pro. Hairi Yazdi
- **Finite Element Method (Bachelors):** Developed and presented coursework titled: "Dynamic analysis of a rotating cantilever beam by using the finite element method."
  Advisor: Pro. Farahat

Research Assistant:

2016-present

- **Modal Testing Research Laboratory,** Iran university of Science and technology Supervised by Prof. Ahmadian

Teaching Assistant

2013-2015

- **Dynamic (Bachelors),** University of Sistan and Balochestan Conducted by En.Imanparast
- **Strength of materials (Bachelors),** University of Sistan and Balochestan Conducted by En.Imanparast
- **Dynamics of Machinery (Bachelors),** University of Sistan and Balochestan Conducted by En.Imanparast

Language Skills

- **English**: Fluent – TOEFL iBT(89) – GRE (304)
  Certified TESOL English Language Instructor
  Experienced teacher - Comfortable in a classroom environment
- **Persian**: Native
- **Turkish**: Native

Computer and Programming Skills

- CATIA, ABAQUS, ANSYS and FLUENT
- MATLAB and FORTRAN

- Microsoft Office and Adobe Photoshop

EXPERIMENTAL SKILLS

• Structural dynamics and modal testing with PULSE (Brüel & Kjær)

Memberships

Member of the Scientific Society of Mechanical Engineering, Iran University of Science and Technology (2016-2017)
Member of the Scientific Society of Mechanical Engineering, University of Sistan and Baluchestan (2014-2015)

Reference

Pro. Ahmadian
School of Mechanical Engineering - Iran University of Science and Technology
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Pro. Farahat
Department of Mechanical Engineering - University of Sistan and Balochestan

Email: farahat@hamoon.usb.ac.ir

Pro. Hairi Yazdi

School of Mechanical Engineering – University of Tehran

Email: Myazdi@ut.ac.ir

En.Imanparast

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