

TEACHING EXPERIENCE:

- Assistant Professor, Faculty of Mechanical Engineering Department, Foolad Institute of Technology, Isfahan, Iran, September 2016 up to Jun 2019 (www.fit.ac.ir/fa/faculties/mechanic/0000-0000-00000000-00000000/000-0000000-00)

Teaching: Continuum Mechanics, Theory of Plates and Shells, Non-Linear Elasticity, Metal Forming, Statics, Strength of Materials, Dynamics, Mechanical Engineering Design II, Mechanical Vibrations, Automatic Control

- Adjunct Professor, Faculty of Engineering Department, Islamic Azad University of Najafabad, Isfahan, Iran, June 2013 up to January 2016 (<http://research.iaun.ac.ir/pd/masoudinejad>).

Teaching: Statics, Strength of Materials, Mechanical Engineering Design I, II, Mechanical Vibrations, Dynamics of Machinery, Dynamics, Bearing & Lubrication

- Teacher Assistant, Department of Mechanical Engineering, Ferdowsi University of Mashhad, September 2014 up to June 2015.

Instructor: [Prof. Farhangdoost](mailto:farhang@um.ac.ir) (farhang@um.ac.ir).

- Teacher Assistant, Department of Mechanical Engineering, Ferdowsi University of Mashhad, September 2014 up to January 2015.

Instructor: [Prof. Shariati](mailto:mshariati44@um.ac.ir) (mshariati44@um.ac.ir).

- Teaching the following courses as an invited faculty member, Faculty of Engineering Department, Islamic Azad University of Shahrekord, Shahrekord, Iran, January 2014 up to September 2014.

Experiences

Teaching: Dynamics, Strength of Materials

- Teacher Assistant, Department of Mechanical Engineering, Shahrekord University, September 2008 up to June 2010.

Instructor: [Dr. Homaei](mailto:hadi-h@eng.sku.ac.ir) (hadi-h@eng.sku.ac.ir).

WORKING EXPERIENCES:

- Postdoctoral Research Fellow, School of Mechanical and Electrical Engineering, University of Electronic Science and Technology of China, July 2019 up to Now.

Project Topic: Reliability analysis of fatigue crack growth for a pearlitic Grade 900A steel used in railway applications.

- Fracture Mechanics Lab., Department of Mechanical Engineering, Ferdowsi University of Mashhad, September 2014 up to September 2017.

Thesis Topic: Three-dimensional analysis of rolling contact fatigue crack and life prediction in railway wheels and rails under residual stresses and wear.

Supervisors: [Prof. Shariati](#) [Prof. Farhangdoost](#).

- Part time researcher, Renewable Energy Department, Energy and Environment Research Center, [Niroo Research Institute \(NRI\)](#), Ministry of Energy, Tehran, Sept 2011 up to January 2013.

Experiences

Project Topic: Design and manufacturing a 25 kW solar concentrator system.

Head of Department: Mr. Pejman Izadkhast (pizadkhast@nri.ac.ir).

- Research assistant, Strength of Materials Lab, Department of Mechanical Engineering, Shahrekord University, September 2007 up to June 2009.

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