Aliakbar Majidi-Jirandehi

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Curriculum Vitae

Personal Information

Name: Aliakbar Majidi-Jirandehi
Date and place of birth: 20.6.1982-Jirandeh
Marital status: Married
Nationality: Irainain

Educational Background

2012 –2018

University of Birjand
Mechanical Engineering- Applied Design (PhD)

- Focus on: Fractute mechanics and mirostracture of high toghness steels
- PhD Thesis: Experimental and numerical analysis of drop weight tear test on seam weld of API X65 steel

2006 –2008

University of Tabriz
Mechanical Engineering- Applied Design (MSc**)**

- Focus on: Finit element mthods and composite metrilas
- Master Thesis: Numerical analysis of composite pressure vessels

2001 – 2005

University of Bahonar
Mechanical Engineering-Solid Mechanics (BSc)

Work Experience

2010 – present

Payame Noor University (PNU)
lecturer at the Department of Mechanical Engineering

- Teaching several engineering courses like statics, strength of materials, dynamics and technical English
- Research on steels and finit element method
- instrumenting of Charpy impact test machine

2008-2009

Alborz Cable
Copper Project assistant

- Installation of a new production unite

2003 – 2004

Caspian Industrial Laboratory
Research Assistant

- Assisting in writing research reports

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Research Publications

Journals

2020
- **Ali Akbar Majidi-Jirandehi,** (2020), The effect of notch depth on the fracture energy of high toughness steels in the DWTT, Submitted.

2020
- **Ali Akbar Majidi-Jirandehi**, S. Ebrahimi-Nejad, (2020), Effects of Drop Weight Tear Test Notch Shape and Crack Propagation Path on the Macroscopic Fracture Surface Characteristics of Welded API X65, Submitted.

2020
- **Ali Akbar Majidi-Jirandehi**, E. Fathi-Asgarabad, S.H. Hashemi, (2020), Analysis, installation and calibration of strain gauge circuit to measure load in the DWTT, Submitted.

2020
- **Ali Akbar Majidi-Jirandehi,** M. Mohammadi-Soleymani, H. Dehghani, **(**2020), Determine the Useful Life of Catalytic Converter and Standard Revision of Technical Inspection Centers, Submitted.

2020
- **Ali Akbar Majidi-Jirandehi,** H. Dehghani, (2020), Quality evaluation and pollution ranking of domestically produced cars, International Journal of Automotive Engineering, Vol. 10, No. 2, pp. 3227-3232.

2018
- **Ali Akbar Majidi-Jirandehi,** S.H. Hashemi, (2018), Weld metal fracture characterization of API X65 steel using drop weight tear test, Material Research Express, https://doi.org/10.1088/2053-1591/aae797.

2018
- **Ali Akbar Majidi-Jirandehi,** S.H. Hashemi, (2018), Investigation of macroscopic fracture surface characteristics of spiral welded API X65 gas transportation pipeline steel," Modares Mechanical Engineering, vol. 17, No. 11, pp. 219-228.

2013
- M.R. khoshravan, **Ali Akbar Majidi-Jirandehi**, A. Paykani, (2013), Finit element analysis of composite gas storage vessels, International of petroleum and geoscience engineering, Vol. 1, No. 4, pp. 248-260.

2012
- M. Zehsaz, F. Vakili, A. Fasihi, **Ali Akbar Majidi-Jirandehi,** (2012) Sensitivity of ride comfort to Suspension characteristics of an off-road vehicle under road excitation, International Journal of Emerging Technology and Advanced Engineering, Vol. 2, No. 5, pp. 1-10.

Conference Proceedings

2017
- **Ali Akbar Majidi-Jirandehi,** M. Mohammadi-Soleymani, (2017), Investigation and comparison of Gerson and Johnson Cook models in the impact test, In 9th National Conference on Mathematics of Payame Noor University, Kerman, Iran, 18-19 October.

2017
- H. Zoorooni**, Ali Akbar Majidi-Jirandehi,** M. Mohammadi-Soleymani, (2017), Numerical analysis of Charpy impact test using Johnson Cook model, In 25th international conference of Iranian society of mechanical engineering, Tehran, Iran, 2-4 May.

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2016
- **Ali Akbar Majidi-Jirandehi,** E. Fathi-Asgarabad, S.H. Hashemi, (2016), Experimental and numerical analysis of the strain to install the load-cell circuit in the hammer of the drop wight tear test machine, In 24th international conference of Iranian society of mechanical engineering, Yazd, Iran 26-28 April.

2016
- E. Fathi-Asgarabad, **Ali Akbar Majidi-Jirandehi**, S.H Hashemi, (2016), Implementation of GTN parameters in drop weight tear testing on API X65 Steel, In the Biennial International Conference on Experimental Solid Mechanics, Tehran, Iran, 16-17 February.

2015
- M. Mohammadi-Soleymani, **Ali Akbar Majidi-Jirandehi**, M.Shahmirzaee, (2015), Calculation of fracture energy of semi-self-breaking mill liner of NICICO using drop weight tear testing, In the 4th international conference of Iranian Metallurgical and Material society, Tehran, Iran, 10-11 November.

2015
- **Ali Akbar Majidi-Jirandehi,** E. Fathi-Asgarabad, S.H. Hashemi, (2015), Numerical analysis of drop weight tear test seam weld of API X65 steels specimens, In 6th pipe and pipline conference, Teharan, Iran, 16-18 June.

Skills

Language skills

Persian (Farsi): Native

English – very good in speaking and writing

Computer skills

Microsoft Office – ABAQUS

Misc.

Swimming, Playing Tar (musical instrument)

Memberships & Awards

2012
- Member of Iranian Society of Mechanical Engineering

2014
- The best researcher of Payame Noor University (PNU)

2016
- The best researcher of Payame Noor University (PNU)
- The best researcher of Payame Noor University (PNU)

References

- Dr. Seyed Hojjat Hashemi, Professor at University of Birjand, Department of Mechanical Engineering, Birjand, Iran.
  Email: shhashemi@birjand.ac.ir phone: +989155615078
- Dr. Mohammad Reza Khoshravan, Professor at University of Tabriz, Department of Mechanical Engineering, Tabriz, Iran.
  Email: rkhosh@tabrizu.ac.ir phone: +989141035214

Kerman, Iran, 30.11.2020
Ali Akbar Maidi-Jirandhi