

CURRICULUM VITAE

BIOGRAPHICAL

Last Name: Mohammadi Soleymani
First Name: Moslem
Date of Birth: February 17, 1982
Place of Birth: Rabor (Kerman), Iran
Citizenship: Iranian
Sex: Male
Marital status: Married
Business Address: Department of Mechanical Engineering,
Payame Noor University, Bandar Abbas, Iran
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EDUCATION

- 2015, Ph.D. in Mechanical Engineering (Applied Design), Shahid Bahonar University of Kerman, Kerman, Iran.
- 2007, M.Sc. in Mechanical Engineering (Applied Design), Shahid Bahonar University of Kerman, Kerman, Iran.
- 2004, B.Sc. in Mechanical Engineering (Solid Mechanics), Shahid Bahonar University of Kerman, Kerman, Iran.

TEACHING

- 2015-; Assistant Professor, Payame Noor University (PNU), Bandar Abbas, Iran.
- 2015-; Assistant Professor, Hormozgan University, Bandar Abbas, Iran.
- 2015-; Assistant Professor, Islamic Azad University of Hormozgan, Bandar Abbas, Iran.
- 2009-2015, Instructor, Payame Noor University (PNU), Kerman, Iran.
- 2011-2015, Instructor, Shahid Bahonar University of Kerman, Kerman, Iran.
- 2006-2009, Instructor, Islamic Azad University of Kerman, Kerman, Iran.
- 2006-2010, Instructor, Technical and Vocational University, Chamran, Kerman, Iran.
- 2007-2011, Instructor, University of Applied Science and Technology (UAST), Baladolamin, Kerman, Iran.

COURSE TAUGHT

Statics, Mechanics of Materials, Mechanical Engineering Design, Finite Element Methods, Elasticity, Continuum Mechanics, Advanced Engineering Mathematics, Soft Computing, Dynamics, Mechanical Vibrations, Dynamics of Machines, Automatic Control Systems, Engineering Materials Selection and Testing, Computer-Aided Design, Nano Engineering, NDT, CNC, Manufacturing Processes and Technologies, Machining Fundamentals, Project Management.

RESEARCH INTERESTS

Optimization, Modeling and Simulation, Experimental Modeling, Vibration, Nano-Mechanics, Biomechanical Systems, Soft Computing or Computational Intelligence (FL, GA, ANN).

PUBLICATIONS

Book

1. Soleymani M. M., Elahi Mahani S., *Nano Engineering*, Farmanesh, 2013.

Journals

2. Soleymani M. M., Fooladi M., Rezaeizadeh M., 2016, Effect of Slurry Pool Formation on the Load Orientation, Power Draw, and Impact Force in Tumbling Mills, *Powder Technology*, 287, 160-168.
3. Soleymani M. M., Fooladi M., Rezaeizadeh M., 2016, Experimental observations of mill operation parameters on kinematic of the mill contents, *Mechanics & Industry*, DOI: 10.1051/meca/2015077.
4. Soleymani M. M., Fooladi M., Rezaeizadeh M., 2015, Experimental investigation of the power draw of tumbling mills in wet grinding, *Journal of Mechanical Engineering Science*, DOI: 10.1177/0954406215598801.
5. Soleymani M. M., Fooladi M., Rezaeizadeh M., 2015, Experimental study the impact forces of tumbling mills, *Journal of Process Mechanical Engineering*, DOI: 10.1177/0954408915594526.
6. Soleymani M. M., Hajabasi M. A., Elahi Mahani S., 2015, Free vibrations analysis of a sandwich rectangular plate with electrorheological fluid core, *Journal of Computational and Applied Research in Mechanical Engineering (JCARME)*, 5(1), 71-81.
7. Soleymani M. M., Rezaeizadeh M., Fooladi M., Arab Solghar A., 2015, Experimental Study of Operational Parameters on Product Size Distribution of SAG Mill, *Powder Technology*, Revised.
8. Soleymani M. M., Rezaeizadeh M., Fooladi M., Arab Solghar A., Bahiraei M., 2015, New experimental methods to study the impact wear of lifters in mill, *Minerals Engineering*, Revised.
9. Soleymani M. M., Fooladi M., Rezaeizadeh M., Bahiraie M., 2015, Experimental study of mill speed, charge filling, slurry concentration, and slurry filling on the wear of lifters in tumbling mills, *Modares Mechanical Engineering*, Vol. 15, No. 4, pp. 265-271. (In Persian)

Conferences

10. Soleymani M. M., Majidi A., Shahmirzaei M., Effect of slurry pool formation on the wear of lifters in tumbling mills (Experimental study), *ISME 2016*, Yazd, Iran.
11. Soleymani M. M., Zoruni H., Shahmirzaei M., Study mantle and concave abrasion wear of cone crusher using Discrete Element Method, *ISME 2016*, Yazd, Iran.
12. Soleymani M. M., Majidi A., Shahmirzaei M., Study the Fracture Energy of SAG Mill Lifters with Drop Weight Tear Test (DWTT), *iMat 2015*, Tehran, Iran.

13. Soleymani M. M., Yarahmadi M. R., Mahmoodabadi H., Effect of slurry pool formation on product size distribution of SAG mill (Experimental study), iMat 2015, Tehran, Iran.
14. Bahiraie M., Rezaeizadeh M., Soleymani M. M., Amiri V., Experimental investigation Kinematic of the SAG mill contents in Sarcheshme Copper Complex, ISME 2014, Ahvaz, Iran.
15. Soleymani M. M., Rezaeizadeh M., Fooladi M., Yarahmadi M. R., Mahmoodabadi H., The effect of the slurry pool in tumbling mills on the absorption and damping of the impact forces (Experimental study), National Congress of Iron & Steel Industries, Zarand, Iran, 2014.
16. Soleymani M. M., Rezaeizadeh M., Fooladi M., Zoruni H., Alinaghizade H., The effect of the slurry pool in tumbling mills on the absorption and damping of the impact forces (Analytical study), National Congress of Iron & Steel Industries, Zarand, Iran, 2014.
17. Soleymani M. M., Hajabasi M. A., Mirzadeh S., Navier solution of vibrations of thick sandwich plate with Viscoelastic core, ISME 2009, Tehran, Iran.
18. Soleymani M. M., Hajabasi M. A., Mirzadeh S., Analytical analysis of vibrations of thin sandwich plate with ER core, ISME 2008, Kerman, Iran.

Thesis

- ✓ **Ph.D.**, Optimization of SAG mill performance parameters using experimental data and soft computing, Score: 19.5/20, under supervision of Dr. Fooladi and Dr. Rezaeizadeh.
- ✓ **M.Sc.**, Free Vibrations Analysis of a Sandwich Rectangular Plate with Electrorheological Fluid Core, Score: 18.75/20, under supervision of Dr. Hajabasi.
- ✓ **B.Sc.**, Harmonic Drives, Score: 19/20, under supervision of Dr. Hajabasi.

Patents

- ✓ Design and manufacture of the special lifter to measure of wear in SAG mill in Sarcheshmeh Copper Complex, (Iran Patent# *****).
- ✓ Optimization and manufacture of the slide gate under the nozzle (EBT) of the electric arc furnace (EAF) in Hormozgan steel company, (Iran Patent# *****).

ACADEMIC ACTIVITIES

- 2015- , Head of Department of Mechanical Engineering, Payame Noor University of Bandar Abbas.
- 2015, Distinguished Researcher in the Payame Noor University of Kerman.
- 2010-2014, Vice President of Faculty of Engineering in the Province of Kerman, Payame Noor University.
- 2011, Establishment of the Mechanical Engineering laboratories in Payame Noor University of Kerman.
- 2010, Establishment of the Mechanical Engineering field in Payame Noor University of Kerman.
- 2009-2010, Head of Department of Industrial Engineering, Payame Noor University of Kerman.
- 2012- , Member of the National Nanotechnology Initiative.

- 2010- , Member of the Iranian Project Management Society.
- 2008- , Member of the Iranian Mechanical Engineering Society.

INDUSTRIAL ACTIVITIES

- 2015- , Advisor, Hormozgan Steel Company (HOSCO), Bandar Abbas, Iran.
- 2014- , Managing Director, Kiarash Company, Kerman, Iran.
- 2012-2015, R&D Unit, Sarcheshmeh Copper Complex (NICICo), Rafsanjan, Iran.
- 2015, Simulation and optimization of the SAG mill of Sarcheshmeh Copper Complex with Soft Computing, NICICo.
- 2013, Experimental investigation of the kinematics/power draw/impact forces/wear of lifters/particle size distribution of tumbling mills, NICICo.
- 2013, Design and manufacture of the special lifter to measure of wear in SAG mill in Sarcheshmeh Copper Complex, NICICo.
- 2012, Conversion of dry SAG mill to wet grinding, NICICo.
- 2004-2007, Executive Manager, Ghazal metal & electrical industries Co., Kerman, Iran.
- 2007, Design and manufacture of hydraulic press, Ghazal Company.
- 2006, Manufacture of Heat Exchanger, Ghazal Company.
- 2005, Design and manufacture of bolted connections in steel structures, Ghazal Company.
- 2004, Design and manufacture of hydraulic lifters, Ghazal Company.
- 2006-2007, Advisor and Designer, Kerman Poshesh Company, Kerman, Iran.

RESEARCHES/PROJECTS ACTIVITIES

- ✓ 2016, HOSCO, Optimization and manufacture of the slide gate under the nozzle (EBT) of the electric arc furnace (EAF) in Hormozgan steel company.
- ✓ 2015, NICICO, Optimization of Rafsanjan copper complex SAG mill performance parameters using experimental data and soft computing.
- ✓ 2011, Payame Noor University, Optimization of product projects with soft computing.

COMPUTER SKILLS

- **MS OFFICE:** Word, Excel, Power Point, Access, Publisher, MSP
- **PROGRAMING & MATHEMATICAL:** Matlab, Maple, Mini Tab, Spss, Vitual Basic, C++, pascal
- **MODELING:** Unigraphics, Solid Works, Catia, Inventor, Auto Cad, Mechanical Desktop
- **ANALYS:** Ansys, Abaqus, Cosmos, Adams, Vitual Nastran, Working Model, Fluent

LANGUAGE SKILLS

- Persian: Native
- English: Speaking, Listening, Writing and Reading: good.

HOBBIES

- Sports (Swimming, Football, Mountain climbing, Hiking), Study, Movie/TV, Music.