


1. Personal Details

Full Name	Farzad Moayyedian	
Date of Birth	January 16, 1984	
Place of Birth	Mashhad, Iran	
Email address	farzad.moayyedian@gmail.com farzad.moayyedian@eqbal.ac.ir	

2. Current Position

- Assistant Professor, Department of Mechanical Engineering, Eqbal Lahoori Institute of Higher Education, Mashhad, Iran.

3. Education and Qualification

Degree	Field of Study	Major	University	Country/City	Begin	End
Ph. D.	Mechanical Engineering	Solid Mechanics	Ferdowsi University of Mashhad	Iran/Mashhad	2008	2014
Master	Mechanical Engineering	Solid Mechanics	Ferdowsi University of Mashhad	Iran/Mashhad	2006	2008
Bachelor	Mechanical Engineering	Solid Mechanics	Islamic Azad University Mashhad Branch	Iran/Mashhad	2002	2006

3.1. Doctor of Philosophy

- Dissertation Topic: Investigation into rate-independent and rate-dependent plasticity with non-linear finite element method.

3.2. Master of Science

- Thesis Topic: Analytical study on elastic-plastic flange wrinkling of circular sheets in deep drawing process.

3.3. Bachelor of Science

- Project Topic: Producing of bolts and nuts with cold forming process.

4. Language Proficiency

- Persian, Native,
- English, Professional,
- French, Elementary.

5. Research Interests

- Theory of Elasticity,
- Theory of Plasticity,
- Theory of Plates and Shells,
- Energy Principles in Solid Mechanics,
- Anisotropic Sheet Metals,
- Composite and FGM Materials,
- Non-linear Finite Element and Mesh less Methods,
- Biomechanics,
- Theory of Vibration and Dynamics,
- Computational Mechanics and Numerical Methods.

6. Work Experiences

- Eqbal Lahooori Institute of Higher Education (ELIHE), Mashhad, Iran, Faculty Member, 2010 to present,
- Khavaran Institute of Higher Education, Mashhad, Iran, Adjunct Professor, 2017 to present,
- University of Applied Science, Jahad Daneshgahi, Mashhad, Iran, Adjunct Professor, 2014 to 2015,
- University of Applied Science, Tasmimiyar Toos, Mashhad, Iran, Adjunct Professor, 2012 to 2014,
- University of Torbat-e-Heydarieh, Torbat-e-Heydarieh, Iran, Adjunct Professor, 2012 to 2013,
- Islamic Azad University of Mashhad, Mashhad, Iran, Adjunct Professor, 2010 to 2011.

7. Teaching Experiences

7.1. Graduate Courses

- Advanced Mathematics,
- Advanced Numerical Methods,
- Vibration of Continuous Systems,
- Finite Element Method,
- Selective Topics in Applied Mechanics.

7.2 Undergraduate Courses

- Strength of Materials,
- Plasticity and Metal Forming,
- Composite Materials,
- Engineering Mathematics,
- Ordinary Differential Equations,
- Statics,
- Dynamics,
- Theory of Vibration.

8. Publications

8.1. Journal Papers

- [15] Farzad Moayyedean and Mehran Kadkhodayan, Non-linear influence of hydrostatic pressure on yielding of asymmetric anisotropic sheet metals, *Mathematics and Mechanics of Solids*, **Accepted**.
- [14] Farzad Moayyedean and Mehran Kadkhodayan, Two new non-AFR criteria for depicting strength differential effect (SDE) in anisotropic sheet metals, *Journal of Solid Mechanics*, **Accepted**.
- [13] Farzad Moayyedean and Mehran Kadkhodayan, A modified burzynski criterion for anisotropic pressure dependent materials, *Sadhana-Academy Proceedings in Engineering Science*, **2017**, 42 (1), 95-109.

- [12] Farzad Moayyedean and Mehran Kadkhodayan, An advanced criterion based on non-AFR for anisotropic sheet metals, *Structural Engineering and Mechanics*, **2016**, 57 (6), 1015-1038.
- [11] Farzad Moayyedean and Mehran Kadkhodayan, Modified burzynski criterion with non-associated flow rule for anisotropic asymmetric metals in plane stress problems, *Applied Mathematics and Mechanics*, **2015**, 36 (3), 303-318.
- [10] Farzad Moayyedean and Mehran Kadkhodayan, Combination of modified Yld2000-2d and Yld2000-2d in anisotropic pressure dependent sheet metals, *Latin American Journal of Solids and Structures*, **2015**, 12 (1), 92-114.
- [9] Farzad Moayyedean and Mehran Kadkhodayan, A new implementation of a non-associated flow rule in rate-independent plasticity, *Journal of Computational and Applied Research in Mechanical Engineering*, **2015**, 5 (1), 3749.
- [8] Farzad Moayyedean and Mehran Kadkhodayan, A study on combination of von Mises and Tresca yield loci in non-associated viscoplasticity, *International Journal of Engineering*, **2014**, 27 (3), 441-448.
- [7] Farzad Moayyedean and Mehran Kadkhodayan, Implementing the new first and second differentiation of a general yield surface in explicit and implicit rate-independent plasticity, *Journal of Solid Mechanics*, **2014**, 6 (3), 310-321.
- [6] Farzad Moayyedean and Mehran Kadkhodayan, A closed-form semi-analytical elastic-plastic solution for predicting the onset of flange wrinkling in deep-drawing of a two-layered circular plate, *Iranian Journal of Mechanical Engineering Transaction of the ISME*, **2013**, 14 (2), 5-36.
- [5] Farzad Moayyedean and Mehran Kadkhodayan, A general solution for implicit time stepping scheme in rate-dependant plasticity, *International Journal of Engineering*, **2013**, 26 (2), 641-652.
- [4] Mehran Kadkhodayan and Farzad Moayyedean, Analytical elastic-plastic study on flange wrinkling in deep drawing process, *Scientia Iranica*, **2011**, 18 (2), 250-260.
- [3] Farzad Moayyedean and Mehran Kadkhodayan, Elastic-plastic flange wrinkling of circular plates in deep drawing process, *Key Engineering Materials*, **2011**, 462-463, 200-206.
- [2] Farzad Moayyedean and Mehran Kadkhodayan, An analytical study on elastic flange wrinkling of circular plates in deep drawing process, *International Journal of Advanced Design and Manufacturing Technology*, **2010**, 3 (2), 17-23 (in Persian).
- [1] Mohaamad Rezaiee Pajand and Farzad Moayyedean, A Closed-form non-linear solution for plastic flange wrinkling of circular plates in deep drawing process, *International Journal of Engineering*, **2010**, 23 (3, 4), 203-214.

8.2. Conference Papers

- [12] Farzad Moayyedean and Saeed Esmaili, Experimental and numerical study on warm deep drawing of CK45 and DX53D alloy sheets, *1th National Conference on Applied Researches in Sciences and Engineering*, Eqbal Lahoori Institute of Higher Education, Mashhad, Iran, **2017** (in Persian).
- [11] Farzad Moayyedean and Mehran Kadkhodayan, Elastic-plastic flange wrinkling of circular plates in deep drawing process, *8th International Conference on Fracture and Strength of Solids (FEOFS)*, Kuala Lumpur, Malaysia, **2010**.
- [10] Farzad Moayyedean and Mehran Kadkhodayan, An analytical investigation on plastic flange wrinkling of laminated circular plates in deep drawing process, *18th Annual International Conference on Mechanical Engineering (ISME2010)*, Sharif University of Technology, Tehran, Iran, **2010**.
- [9] Farzad Moayyedean and Mehran Kadkhodayan, The effect of blankholder on flange wrinkling of laminated circular plates in deep drawing process, *10th Manufacturing Engineering Iranian Conference (ICME2010)*, Babol Noshiravani University of Technology, Babol, Iran, **2010**.
- [8] Farzad Moayyedean and Mehran Kadkhodayan, Obtaining an explicit solution for flange wrinkling of annular sheets with blankholder and with small deformation theory in deep drawing process, *10th Manufacturing Engineering Iranian Conference (ICME 2010)*, Babol Noshiravani University of Technology, Babol, Iran, **2010** (in Persian).

- [7] Farzad Moayyedian and Mehran Kadkhodayan, An analytical study on plastic flange wrinkling of circular plates with *blankholder* with using of large deformation theory in deep drawing process, *8th Annual (International) Conference of Iranian Aerospace Society*, Malek-Ashtar University of Technology, Isfahan, Iran, **2010** (in Persian).
- [6] Farzad Moayyedian and Mehran Kakkhodayan, An analytical study on elastic flange wrinkling of laminated circular plates in deep drawing process, *17th Annual International Conference on Mechanical Engineering (ISME2009)*, University of Tehran, Tehran, Iran, **2009**.
- [5] Farzad Moayyedian and Mehran Kadkhodayan, An analytical study on plastic flange wrinkling of circular plates with using of large deformation theory, *4th Conference of Metal Forming and Materials of Iran (MATFORM'87)*, Sharif University of Technology, Tehran, Iran, **2009** (in Persian).
- [4] Farzad Moayyedian and Mehran Kadkhodayan, An analytical study on plastic flange wrinkling of circular plates with using of small deformation theory, *4th Conference of Metal Forming and Materials of Iran (MATFORM'87)*, Sharif University of Technology, Tehran, Iran, **2009** (in Persian).
- [3] Farzad Moayyedian and Mehran Kadkhodayan, An analytical study on plastic flange wrinkling of circular plates with using of large deformation theory in deep drawing process, *9th Iranian Conference on Manufacturing Engineering (ICME 2009)*, University of Birjand, Birjand, Iran, **2009** (in Persian).
- [2] Farzad Moayyedian and Mehran Kadkhodayan, An analytical study on plastic flange wrinkling of circular plates with using of small deformation theory in deep drawing process, *9th Iranian Conference on Manufacturing Engineering (ICME 2009)*, University of Birjand, Birjand, Iran, **2009** (in Persian).
- [1] Hossein Behrouz and Farzad Moayyedian, Providing a new approach for using piezoelectric as a sensor and comparing its behavior to other existing sensors, *16th Annual International Conference on Mechanical Engineering (ISME2008)*, Shahid Bahonar University of Kerman, Kerman, Iran, **2008** (in Persian).

9. Computer Literacy

- Professional in computer programming with Matlab, Fortran and C++,
- Professional in simulation with Abaqus and Ansys.
- Professional in simulation with Nastran and Adams.

10. Professional Experiences

- Supervising of ten students in final master thesis, Eqbal Lahoori Institute of Higher Education, 2014 to present,
- Supervising of about fifty students in final bachelor project, Eqbal Lahoori Institute of Higher Education, 2010 to present,
- Cooperation with a great research team work in Fedowsi University of Mashhad entitled 'Obtaining technical science in producing of steel fittings with extrusion process as the head of simulation team with Abaqus software, Mashhad, Iran, 2011 to 2012,
- Designing and Supervising of Building Mechanical Installation Systems with work permit grade number two from Iranian Construction Engineering Organization in Province of Khorasan Razavi, 2009 to present.

11. Supervision of Master Thesis

11.1. Students

- Jafari, Seyyed Mohammad,
- Abbasi Barkhordar, Abbas
- Borna, Reza
- Ebrahimi, Meysam
- Hemmati Topkanlou, Mostafa
- Memariani, Ali
- Basiri, Dariush
- Moradi, Ali

11.2. Graduated

- Esmaili, Saeed

12. Interests

- Sport
- Music
- Movie