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Education:

Degree	University(Country)	Courses	Date
Bachelor of Engineering Science	Sharif University of Technology (Iran)	Mechanical Engineering	1974-1978
Master of Engineering Science	Amirkabir University of Technology (Iran)	Solid Mechanics	1984-1986
Doctor of Philosophy	University of Adelaide (Australia)	Solid Mechanics	1991-1995

Journal Publications:

1. Loghman, A. and Wahab, M. A., Loading and Unloading of Thick-Walled Cylindrical Pressure Vessel of Strain Hardening Material, ASME Journal of Pressure Vessel Technology, 1994, 116, pp. 105-109

2. Loghman, A. and Wahab, M. A., Creep Damage Simulation of Thick-Walled Tubes using the Theta Projection Concept, *International Journal of Pressure vessels & Piping*, 67, 1996, pp 105-111
3. Loghman, A. and Shokouhi, N., Creep damage evaluation of thick-walled spheres using a long-term creep constitutive model, *Journal of Mechanical Science and Technology*, 23-2009, 2577-2582
4. Loghman, A., Ghorbanpour Arani, A., Amir, S., Vajedi, A., Magnetoelastoc creep analysis of thick-walled FGM cylinders. *International Journal of pressure vessel and piping*, 87 (2010) 389e395
5. Loghman, A., Ghorbanpour Arani, A., Shajari A. R., Amir, S., Time-dependent thermoelastic creep analysis of rotating disk made of Al-SiC composite., *Arch. Appl. Mech.* 81 (2011) 1853-1864
6. Loghman, A., Aleayoub, S.A.M. Hasani Sadi, M. Time-dependent magnetoelastoc creep Modeling of FGM spheres using method of successive elastic solution, *Appl. Math. Model*, 36 (2012) 836-845
7. Loghman, A. Ghorbanpour Arani A., Aleayoub S.A.M., Time-dependent creep stress redistribution analysis of functionally graded spheres, *Mech Time-Depend Mater*, 15 (2011) 353-365
8. Loghman A., Moradi M. The analysis of time-dependent creep in FGPM thick-walled sphere under electro-magneto-thermo-mechanical loadings, *Mech Time-Depend Mater*, 17 (2013) 315-329
9. Loghman A., Abdollahian M., Jafarzadeh Jazi A., Ghorbanpour Arani A., Semi-analytical solution for Electromagnetoelastoc creep response of functionally graded piezoelectric rotating disk, *International Journal of Thermal Sciences*, 65(2013)254-266
10. Loghman A., Askari Kashan A., Younesi Bidgoli M., Shajari A.R., Ghorbanpour Arani A., Effect of particle content, size and temperature on magneto-thermo-mechanical creep behavior of composite cylinders, *Journal of Mechanical science and Technology*, 27 (4) (2013) 1041~1051
11. Loghman A., Atabakhshian V., Semi-analytical solution for Time-dependent Creep Analysis of Rotating Cylinders Made of Exponentially Graded Material, *Journal of Solid Mechanics*, Vol 4, N03(2012) 313-326
12. Loghman A., Cheraghbak A., Agglomeration effects on electro-magneto-thermo elastic behavior of nano-composite piezoelectric cylinder, *Polymer Composites*, Vol. , No (2016) Article in press (published online)
13. Loghman A., Parsa H., Exact solution for magneto-thermo-elastic behaviour of double-walled cylinder made of an inner FGM and an outer homogeneous layer, *International Journal of Mechanical Science*, Vol. 88(2014) 93-99
14. Loghman A., Azami M., A novel analytical-numerical solution for nonlinear time-dependent electro-thermo-mechanical creep behavior of rotating disk made of piezoelectric polymer, *Applied Mathematical Modelling*, Vol. 40, No 7(2016) 4795-4811
15. Loghman A., Shayestehmoghadam H., Magneto-thermo-mechanical creep analysis of nano composite rotating cylinder made of polypropylene reinforced by MWCNTs, *Journal of Theoretical and Applied Mechanics*, Vol. 54, No 1(2016) 239-249

16. Loghman A., Parsa H., Closed form solution for electro-magneto-thermo-elastic behaviour of double-layered composite cylinder, *Journal of Solid Mechanics*, Vol 8, N01(2016) 31-44
17. Loghman A., Tourang H., Non-stationary electro-thermo-mechanical creep response and smart deformation control of Thick-Walled sphere made of polyvinylidene fluoride, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, Vol. 38, No. 8(2016), 2547-2561
18. Loghman A., Tourang H., Azami M., Daryafonoon
19. Loghman A., Shayestehmoghadam H., Loghman E., Creep evolution analysis of composite cylinder made of polypropylene reinforced by functionally graded MWCNTs, *Journal of Solid Mechanics*, Vol 8, N02(2016) 372-383
20. Loghman A., Azami M., Tourang H., Electro–Magneto–Thermo–Mechanical Analysis of Polymeric Smart Rotating Disk Reinforced with Multiwalled Carbon Nanotubes with Nonlinear Behavior, *Shahroud Journal of fluids and structures*, Vol. 6, No. 2(2016) 97-108
21. Loghman A., Moradi M. Creep damage and life assessment of thick-walled spherical reactor using Larson–Miller parameter, *International Journal of pressure vessel and piping*, Volume 151, March 2017, Pages 11–19 DOI: 10.1016/j.ijpvp.2017.02.003
22. Loghman A., Mossallae A. A., Ghorbanpour Arani, A., Nonlinear stability of non-axisymmetric functionally graded reinforced nano composite microplates, *Computers and Concrete, An International Journal*, Accepted Paper ID : CAC60513F
23. Loghman, A., Nasr, M., Arefi, M., Nonsymmetric thermomechanical analysis of a functionally graded cylinder subjected to mechanical, thermal, and magnetic loads, *Journal of Thermal Stresses*, Published online: 1 Feb2017, DOI: 10.1080/01495739.2017.1280380
24. Mossallae A. A., Loghman A., Ghorbanpour Arani, A., Temperature-dependent nonlocal nonlinear buckling analysis of functionally graded SWCNT-reinforced microplates embedded in an orthotropic elastomeric medium *Structural Engineering and Mechanics*, Vol. 53, No. 3 (2015) 497-517
25. Khatami Ghazvini M.R., Loghman A., Asghari A.A., Time-Dependent Deformation and Stress Redistribution Analysis of Thick-Walled Spheres Under Radial Temperature Distribution and an Internal Pressure, *AEROSPACE MECHANICS JOURNAL* Vol.12, No 2 (2016) 1-13
26. Kheyrkhah S., Loghman A., Electric potential redistribution due to time-dependent creep in thick-walled FGPM cylinder based on Mendelson method of successive approximation, *Structural Engineering and Mechanics*, Vol. 53, No. 6 (2015) 1167-1182
27. Kheyrkhah S., Loghman A., EXACT SOLUTION FOR THERMO-ELECTRO-MECHANICAL STRESS ANALYSIS OF FUNCTIONALLY GRADED PIEZOELECTRIC CYLINDERS, *INTERNATIONAL JOURNAL OF CURRENT LIFE SCIENCES*, Vol.4, Issue, 10, pp. 8116-8123, October, 2014
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29. Arefi M., Faegh Kouhhi H., Loghman A., The effect of axially variable thermal and mechanical loads on the 2D thermo-elastic response of FG cylindrical shell , *Journal of Thermal Stresses* 39 (12), (2016), 1539-1559 *Journal of Thermal Stresses*, Published online: 29 Sep 2016, DOI:10.1080/01495739.2016.1217178
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31. Ghorbanpour Arani, A. Loghman, A., Khademizadeh, M., and Moradi M., The Bauschinger and hardening effect on Residual stresses in thick-walled cylinders of SUS304, *Transaction of the CSME*, Vol 26 No4,2003 pp. 361-372
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33. Ghorbanpour Arani, Golabi, S., Loghman, A., Daneshi H. Investigating elastic stability of cylindrical Shell with an elastic core under axial compression by energy method, , *Journal of Mechanical Science and Technology*, 21-2007, 983-996
34. A. R. Ranjbaretoreh, G. W. Wang, A. Ghorbanpour Arani, A. Loghman, Comparative consideration of axial stability of single and double-walled carbon nanotubes and its inner and outer tubes, *Physica E., Low Dimension and Nanostructure*, 2008, E41, 202-208
35. Aleayoub S.M.A., Loghman, A., Creep stress redistribution Analysis of thick-walled FGM spheres, *Journal of solid Mechanics*, Vol 2. No 2. (2010) pp.115-128
36. Ghorbanpour Arani, A., Kolahchi, R., Mossallae A. A., Mozdianfar, M.R. Loghman, A. Semi-Analytical Solution of Time-Dependent Electro-thermo-mechanical creep for radially polarized piezoelectric cylinder, *Computers and Structures* 89 (2011) 1494–1502
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39. Ghorbanpour Arani A., Loghman, A. Shajari A.R. Amir, S Semi-analytical solution of magneto-thermo-elastic stresses for functionally graded variable thickness rotating disks, *Journal of Mechanical Science and Technology* 24 (10) (2010) 2107~21
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48. Ghorbanpour Arani A., Shirali A.A., Noudeh Farahani M., Amir, S., Loghman, A. Nonlinear vibration analysis of protein microtubes in cytosol conveying fluid based on nonlocal elasticity theory using differential quadrature method, *Proc IMechE Part c J Mechanical Engineering Science*. 227(1), 2012, 137-145
49. Vahid Daghigh, Hamid Daghigh, Abbas Loghman, Andy Simoneau, Time-dependent creep analysis of rotating ferritic steel disk using Taylor series and Prandtl-Reuss relation, *International Journal of Mechanical Sciences*, Vol. 77 (2013) 40–46
50. Cheraghbak A., Loghman A., Magnetic field effects on the elastic behavior of polymeric piezoelectric cylinder reinforced with CNTs, *Journal of Applied and Computational Mechanics*, Vol. 2, No. 4, (2016), 222-229
51. Mohammadi H., Safari M., Loghman A., Time-dependent analysis and creep life prediction for rotating hollow cylinders made of alloy steel using theta projection concept and Larson miller parameter, *Amirkabir Journal*, Accepted

Conference Publications

1. *Eslami M. R. and Loghman A. Thermoelastic-plastic creep analysis of thick cylindrical pressure vessels of strain hardening material, the 1989 ASME pressure vessels and piping conference, Honolulu, Hawaii, July 23-27- 1989, PVP vol. 175, pp 71-78*
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The International Conference on the Mechanics of Solids and Materials Engineering, Singapore, 1995, Vol. C , pp. 790-795

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4. Loghman, A. and Wahab, M. A., The Onset and Spread of Yielding in Thick-Walled Cylinders Subjected to Internal Pressure and Thermal Loads, *Thirteenth Australasian Conference on the Mechanics of Structures and Materials, Wollongong, 1993, pp.525-532*
5. Loghman, A. and Wahab, M. A., Thermoelastoplastic Stress Analysis of Thick-Walled Cylindrical Pressure Vessels of Strain Hardening Material, *The Institution of Engineers Australia, Conference on Dynamic Loading In Manufacturing And Service, Melbourne, 1993, pp. 137-142*
6. Loghman, A. and Wahab, M. A., Thermoelastoplastic and Residual Stresses in Thick-Walled Cylindrical Pressure Vessels of Strain Hardening Material, *Advances in Engineering Plasticity and Its Application, Editor, W. B. Lee, Elsevier Science Publishers, Amsterdam, 1993*
7. Ghorbanpour Arani A., Khademizadeh H., Loghman A. and Moradi M., *Effect of Bauschinger Phenomenon on residual stresses in thick-walled cylinders, 9th Annual International Iranian Mechanical Engineering Conference, Gilan University Rasht, 27-29 May 2001*
8. Loghman A., Atabakhshian V., Shajari A.R., *Differential Quadrature Solution for Nonlinear Vibration Analysis of SWBNNTs Based on Nonlocal Timoshenko Beam Model, 20th Annual International Iranian Mechanical Engineering Conference, Shiraz University Shiraz, 15-17 May 2012*
9. Loghman A., Azami M., Javanmard M., Shams S.H. *Analytical Solution of Magneto-Thermoelastic Stress for a Functionally Graded Smart Rotating disk, 20th Annual International Iranian Mechanical Engineering Conference, Shiraz University Shiraz, 15-17 May 2012*
10. Loghman A., Atabakhshian V. *Creep evolution analysis of rotating cylinder made of exponentially graded material (EGM), 21th Annual International Iranian Mechanical Engineering Conference, K.N. Toosi University of Technology, Tehran-Iran, 7-9 May 2013*
11. Loghman A., Moradi M. *Electro-magneto-thermo-elastic analysis of a thick-walled sphere made of functionally graded piezoelectric material, 21th Annual International Iranian Mechanical Engineering Conference, K.N. Toosi University of Technology, Tehran-Iran, 7-9 May 2013*
12. Loghman A., Daghigh V., Daghigh H. *Creep behavior of rotating ferritic steel disk using the Theta projection concept, 21th Annual International Iranian Mechanical Engineering Conference, K.N. Toosi University of Technology, Tehran-Iran, 7-9 May 2013*
13. Loghman A., Moradi M., Mosallaie A. *Comparison of stress rate and strain rate methods in time-dependent creep evolution analysis of FGM structures, 22th*

Annual International Iranian Mechanical Engineering Conference, Shahid Chamran University, Ahwaz-Iran, 21 April 2014

- 14. Loghman A., Moradi M., A novel approach for steady-state creep analysis of thick-walled cylindrical pressure vessels, The 23rd Annual International Conference on Mechanical Engineering-ISME2015 12-14 May, 2015, Mech. Eng. Dept., Amirkabir University of Technology, Tehran, Iran*
- 15. Loghman A., Asghari A., Effect of material inhomogeneity parameter on creep resistance of FGM cylinders, ICMLEME2014, Dubai*
- 16. Loghman A., Mohammadhosseinimirzaee M. Effect of silicon carbide nano particles on creep behavior of rotating cylinder made of Al-SiC composite , ICN2014, Istanbul , Turkey*
- 17. Loghman A., Mosallaie A. Stability of nano composite piezoelectric cylindrical shell reinforced by elastic foundation, The 13rd Annual International Conference of Iranian airspace Engineering, 2014, Tehran-Iran*