

In the name of GOD

Curriculum Vitae

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Table 1: Personal Information

Surname	Last Name	Date of Birth
Davood	Akbari	August 18, 1981

Table 2: Contact Information

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daakbari@modares.ac.ir	Tarbiat Modares University, Nasr Bridge, Tehran, Islamic Republic of IRAN

Table 3: Educational Background

	Academic Degree	Field of Study	Institution	Date
1	B. Sc	Mechanical Engineering, Manufacturing & Production	Industrial university of science and technology	1999-2003
2	M. Sc	Mechanical Engineering, Manufacturing & Production	Amirkabir University of Technology (Tehran Polytechnic)	2003-2006
3	Ph. D	Mechanical Engineering, Manufacturing & Production	Tehran University	2008-2013

Table 4: Professional Executive Experiences

	Type of Experience	Role	Agency	Date
1	Faculty	Assistant Professor	Tarbiat Modares University	2014-now
2	Faculty	Assistant Professor	Azad university, Tehran Central Branch	2010-2014
	Research	Research Head	Experimental Mechanic center, Tehran University	2008-2014
3	Process design	Consulter	Azarab company, Tehran, Iran.	2008-2010
4	Teaching in B. Sc	Teacher	Industrial university of science and technology, Arak, Iran.	2008-2010

Table 5: Main Research and Scholarly background

	Subject
1	Traditional & Advanced Non-Destructive Testing Methods (Holography, Shearography, Digital Image correlation (DIC), etc.)
2	Welding Technology
3	Fusion Welding simulation
4	Residual stress Measurement Techniques
5	Experimental Stress Analysis
6	Analysis & optimization of Isolation dies of Azin Khodro Co.

Table 6: Selected Publications

	Title
1	An introduction to Non Destructive Testings, D. Akbari, M.Farahani, Author, Iran, 20014. (Book)
2	D.Akbari, I.Sattari-Far, Effect of the welding heat input on residual stresses in butt-welds of dissimilar pipe joints, International J. of Pressure Vessels and Piping, 86, 11, 2009, pp.769–776.
3	D.Akbari, M.Farahani, N.Soltani, Effects of the Weld Groove Shape and Geometry on Residual Stresses in Dissimilar Butt-Welded Pipes, The Journal of Strain Analysis for Engineering Design, 47, 2012, pp. 73-82.
4	M.Farahani, I.Sattari-Far, D.Akbari, R. Alderliesten , Numerical and experimental investigations of effects of residual stresses on crack behavior in Aluminum 6082-T6, Journal of Mechanical Engineering Science, 226, 2012, pp.2178-2191.
5	M.Farahani, I.Sattari-Far, D.Akbari, R. Alderliesten, Effect of residual stresses on crack behaviour in single edge bending specimens, Fatigue & Fracture of Engineering Materials & Structures, 36, 2, 2013,pp. 115–126.
6	D.Akbari, , N.Soltani, M.Farahani, Numerical and experimental investigation of defect detection in polymer materials by means of digital shearography with thermal loading, Journal of Engineering Manufacture, 227, 2013, pp.430-442.
7	M. Farahani, S.H. Zargar,D. Akbari, Investigation on the effects of the weld groove shape on the residual stresses in butt-welded plates, International Journal of science and technology, 2014.

8	D.Akbari, N.Soltani, Investigation of Loading Parameters in Detection of Internal Cracks of Composite Material with Digital Shearography, World Applied Sciences Journal, 21, 4, 2013, pp. 526-535.
9	D. Akbari, N. Soltani, F. Reshadi, and A. Ghazavizadeh, DETERMINATION OF STRESS INTENSITY FACTORS FOR SLANT EDGE CRACKS BY MEANS OF DIGITAL SHEAROGRAPHY, International Journal of Applied Mathematics and Mechanics, 9, 2013, pp. 74 – 89.
10	D. Akbari, M. FarahaniI., Sattari Far,F.R. Biglari, Investigation of effects of geometrical parameters in the residual stress formation of pipe welds (in persian), Amir Kabir Journal No.68, 2008.
11	D. Akbari. N. Soltani, F. Reshadi, Application of digital Shearography in the defect detection of polymer matrix composites whit thermal loading (in persian), Modares Mechanical Engineering Journal, No.4, 2013.
12	M.Mohamadi, D.Akbari, Evaluation of Sub-surface Cracks in Polymer Matrix Composites with Laser interferometric method, Iranian Journal of manufacturing engineering, No.3, 2016.
13	S. Ghanbari, D. Akbari, H. Moslemi, An Investigation of the groove shape preparation effects in the high frequency induction welding of the metal pipes, (in persian), Modares Mechanical Engineering Journal, 2017.
14	D. Akbari, M. Farahani, I. Sattari Far, Effect of welding heat input and travelling speed on residual stresses in butt welds, International Congress on Manufacturing Engineering (TICME2005).
15	D. Akbari, M. Farahani, F.R. Biglari, I. Sattari Far, Investigatioan of temperature and residual stress formation in multi-pass welding, 4th International confrence of Mechanical Engineering ISME2006.
16	I. Sattari Far, D. Akbari, Investigation of heat input in the residual stress of dissimilar weld joints, 2nd International Confrence of Manufacturing engineering, TICME2007.
17	D. Akbari, N. Soltani, K. Sayad, Detection of internal Defects of fibre Glass rainforced composites whit Digital Shearography, 2nd Confrence of aerospace groupe, 2012.
18	Medi soufi, Naser Soltani, Davood Akbari, Numerical and experimental investigation of defect detection in composite pipes and determination of opening mode stress intensity factor by means of digital Shearography, 1st international conference on Composite pipes, vessels & tanks, 2014.
19	D. Akbari, M. Farahani, Investigation on the Influences of Welding Process Parameters on the Remained Stress Distribution, International Conference on Intelligent Materials and Manufacturing Engineering, Thailand, January 2015 (IMME 2015).

20	Medi soufi, Naser Soltani, Davood Akbari, Numerical and experimental investigation of defect detection in composite materials by means of digital shearography, The 23rd Annual International Conference on Mechanical Engineering-ISME2015.
21	R. Shoghi, N. Soltani, M. Heidarvand, D. Akbari, Determination of the critical J integral in thin-walled aluminum sections, The Bi-Annual International Conference on Experimental Solid Mechanics and Dynamics, X-Mech-2014.
22	M. Heidarvand, N. Soltani, R. Shoghi, D. Akbari, Determination of the fracture toughness in thin-walled aluminum shells, The Bi-Annual International Conference on Experimental Solid Mechanics and Dynamics, X-Mech-2014.
23	D. Akbari, Y. Ghaderi, Design and fabrication of a flexible joint, 10th Conference of manufacturing engineering, ICME2010.
24	D. Akbari, Y. Ghaderi, Investigation of flexibility of an expansion joint in the lateral loading, 3rd international Conference of Manufacturing ICME2011. engineering
25	M. Abbasi Shirsavar, D. Akbari, M. Golzar, Numerical and experimental investigation on weld strength of a thermoplastic polymer using carbon fiber, The Biennial International Conference on Experimental Solid Mechanics, X-Mech 2016.
26	K. Jamali; D. Akbari; M. Gohari, Identification and classification of functional defects in rolling bearings using acoustic emission by neural network, IRNDT 2016.