

BRIEF CV



Nuraini Abdul Aziz

Department of Mechanical and Manufacturing
Engineering, Universiti Putra Malaysia
43400 UPM, Serdang MALAYSIA
Tel : 03-89464382
Fax : 03-86567122
E-mail : nuraini@eng.upm.edu.my

Areas of interest: : Strength of Material,
Engineering Design, Finite Element Analysis



Academic Qualification:

- Master of Science (Mechanical Engineering) University Putra Malaysia, 2000.
- Bachelor of Engineering (Mechanical/System), University Putra Malaysia, 1997.

Professional Qualification/ Membership/ Affiliation:

- Board of Engineers Malaysia, Graduate Member, 2000-PRESENT.

Areas of Interest:

1. Strength of Material
2. Engineering Design
3. Finite Element Analysis
4. Stochastic analysis
5. Vibration

Publications:

1. Aidy Ali, Ting Wei Yao, **Nuraini Abdul Aziz**, Mhd. Yunin Hassan, Barkawi Sahari, Simulation and experimental work of single lap bolted joint tested in bending, Suranaree Journal of Science and Technology, Vol 14 No. 4, **2007**, p:331-345 (ISSN 0858-849X) SCI.
2. A.Ali, T.C.Yun, **N.Abdul Aziz**, M.Z.Mohammadi, %Strength Investigation of High Load Transfer Joint+, Proceedings of the World Engineering Congress (WEC) 2007, 5-9th August, Penang.
3. Aidy Ali, Mhd. Yunin Hasan, **Nuraini Abdul Aziz**, %Designing a fatigue of 2024-T351 Al Alloy friction stir welding test specimen geometry using FEM+, Conference on Applications and Design in Mechanical Engineering, 25-26 October 2007, UNIMAP, Kangar, Perlis.
4. A.Ali, W.Y.Ting, **N.A.Aziz**, M.Y.Hassan, N.Ismail, M.M.H.M.Ahmad, %Simulation and Experiment of Single Lap Bolted Joint Tested in Bending+, Proceedings of the World Engineering Congress (WEC) 2007, 5-9th August, Penang.
5. **A.A. Nuraini**, A. K. Ariffin, M. J. M. Nor and N. Jamaluddin (2006), +Structural and Vibro-Acoustic Analysis using Finite Element and Boundary Element Method +Proceedings of Regional Vehicle Engineering and Technology, Kuala Lumpur, Malaysia.
6. **A. A. Nuraini**, A. K. Ariffin, M. J. M. Nor and N. Jamaluddin(2005), +Finite Element Analysis of Free Piston Engine Structure+Proceedings of the International Conference on Recent Advances in Mechanical and Materials Engineering, Kuala Lumpur, Malaysia.

7. **A. A. Nuraini**, A. K. Ariffin, M. J. M. Nor and N. Jamaluddin (2005), +Stochastic Simulation of Free Piston Engine Cylinder Block Structure+Proceedings of National Seminar on Computational and Experimental Mechanics, 17-18 May, ESSET Bangi, Selangor.
8. **A. A. Nuraini**, A. K. Ariffin, M. J. M. Nor and N. Jamaluddin (2005) ,+Structural Analysis of Free Piston Engine Cylinder Block Under Thermal Loading+, 4th International Conference on Numerical Analysis in Engineering, 8-9 April Yogyakarta, Indonesia.
9. Ahmad Kamal Ariffin Mohd. Ihsan, Tulus, Syahril, **Nuraini** (2003), %Kickback Bore Effect in Linear Engine Using Variational Method+, 3rd International Conference on Advances Strategic Technologies (ICAST 2003): Knowledge-based Technologies for Sustainable Development, 12-14th August 2003, Kuala Lumpur.
10. **Nuraini Abdul Aziz**, Ahmad Kamal Ariffin Mohd. Ihsan, Mohd. Jailani Mohd. Nor, Tulus, Syahril (2003), %Analisis Jangkaan Agihan Bebanan Terma Komponen Enjin Penjana Lelurus+, Prosiding Penyelidikan dan Pengembangan, Jabatan Kejuruteraan Mekanik Bahan, Fakulti Kejuruteraan, UKM.
11. Khalid, Y.A., Sahari, B.B., Idris, A., **Aziz, N.A.**, Aziz, F.A., %finite Element Analysis for the Performance of Push Fit Elastomeric Integral Spigot and Socket Steel Pipes+, Latest Development and Findings in Water Industry Conference, 4th April 2000, Kuala Lumpur, pp. 1-21.
12. Sahari B. B., Khalid, Y. A., Ahmad, E. M., and **Aziz, N. A.**, %Numerical Modelling Intensive Advanced Technology; Current and Future Scenario+, International Forum on Advanced Technology (IATF), 7-8 November, 2000, K. L., Paper-3, pp 1-10.
13. **Aziz, N. A.**, Sahari, B. B., Khalid, Y. A., and Idris, A., %finite Element Analysis For the Performance of Push Fit Elastomeric Integral Spigot and Socket Steel Pipes+, Symposium on Polymeric Materials, 1-2 June 2000, USM Pulau Pinang, pp. 101-112.