

Curriculum Vitae



Dr. Jasri Bin Mohamad
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Academic Qualification

1. PhD, Department of Design, Manufacture and Engineering Management, University of Strathclyde, Glasgow, Scotland, U.K. 2013.
2. Master of Manufacturing Engineering, Universiti Kebangsaan Malaysia, Bangi, Malaysia. 2003.
3. Bachelor of Science Mechanical Engineering, University of Toledo, Ohio, U.S.A. 1992.

Brief Profile

Jasri Mohamad currently is a senior lecturer at Faculty of Mechanical Engineering, Universiti Malaysia Pahang. After graduated from the University of Toledo, Ohio U.S.A., with a bachelor's degree in Mechanical Engineering he worked as mechanical engineer with Engineering Division/ Ministry of Health. His working experience as engineer also includes with Malaysia Airports Holding Bhd(MAHB), Perusahaan Otomobil Nasional Holding Bhd (Proton) and 2 years working experience as technical instructor with German Malaysia Institute prior to his current position. While working as mechanical engineer his experience include maintenance of biomedical and M&E equipment, upgrading projects for hospitals and airports equipment. In Proton he has a wealth of experience in product development, procurement and vendor development involving national and multinational companies such as Robert Bosch, Clarion, Onkyo, Lotus, and Lucas. His academic qualifications also include a master's degree in Manufacturing Engineering from Universiti Kebangsaan Malaysia, and PhD from Department of Design, Manufacture and Engineering Management, University of Strathclyde, Glasgow Scotland. His PhD thesis is *Springback Prediction in Sheet Metal Forming: Constitutive Equations, Finite Element Simulations and Experimental Validation*. His main area of interest is in mechanics of metal forming and finite element simulation as well as mechanical engineering design. He is familiar with Abaqus software as well as Autodesk software for finite element analysis. He has taught several subjects at diploma, bachelor and master level.

Working Experiences

Dec 2003 – Now	Senior Lecturer, Faculty of Mechanical Engineering, Universiti Malaysia Pahang
2002- 2003	Lecturer, Production Technology Department, German Malaysia Institute.
1997-2001	Mechanical Engineer, Perusahaan Otomobil Nasional Bhd (Proton)
1994-1997	Mechanical Engineer, Malaysia Airports Holding Bhd (MAHB)
1992-1993	Mechanical Engineer, Engineering Division, Ministry of Health

Teaching Experience

Universiti Malaysia Pahang

Finite Element Analysis, Statics, Strength of Materials, Machine Design, Manufacturing Process, Industrial Design, Design for Assembly and Manufacture, Metal Casting, others: Computer Programming – C language, Project Management

German Malaysia Institute/Production Technology Department

2D Drawing (Autocad), 3D Surface Modeling and 3D Solid Modeling, Plastics Product Design, Mold Flow for Plastic Injection

Managerial Experience

1. Course Coordinator, BMM 3562 Finite element Method. 2015 –now
2. Course Coordinator, BMM 3643 Manufacturing Process and BMM 3611 Manufacturing Process Lab. 2014
3. Programmed Coordinator, Bachelor of Mechanical Engineering with Manufacturing (BMF), Kuktem, 2005
4. Member, University Lifelong Learning Committee, UMP (Kuktem), 2004-2005
5. Member, University Industrial Training Committee, UMP(Kuktem), 2004-2005
6. Member, Faculty Technical Evaluation Committee for Purchasing, UMP(Kuktem), 2005
7. Member, Examination Board, UMP(Kuktem), 2005
8. Advisor, Mechanical Engineering Club (Mechapro), 2003

Area of Interest

Metal Plasticity, Mechanics of Material, Mechanics of Sheet Metal Forming, Finite Element Simulation, Optimization, Design of Experiment, Design-Manufacture-Engineering Management, Project Management, M&E Facility Management, Supply chain and procurement.

List of Research/Projects

1. Project Leader- 2014. Knowledge Transfer Programme KTP-RDU141004, RM117,426.56. Enhancing Production Productivity for Liquid Fertilizer Factory through Systematic Operational Procedure and Raw Material Management.
2. Project leader-2012. RDU 100334-RM36,000.00, The development and efficiency study of LPG burner for traditional local foundry
3. Project Leader - 2016. GRS1403181. RM3000.00 Reliability Evaluation of Hardening Models to Predict Defects in Deep Drawing Metal Forming
4. Member – 2018, Demand-Driven Innovation Project by Public-Private Research Network (PPRN), UIC160703, RM35,000.00 - Improvement of the Vessel Engine Service Area for Environmental Health
5. Member- 2018. RDU151313 RM49, 790.00. Investigation of Machinability Characteristics of Cobalt-Chromium Alloy Produced by Different Powder Metallurgy Techniques.
6. Member – 2018. Demand-Driven Innovation Project by Public-Private Research Network (PPRN). UIC170708. RM45,000.00. Product and Process Improvement For Flavored Drinks Manufacturing.

7. Member – 2018. RDU150339 RM20,450.00. A Study of Lean Manufacturing Implementation in SME - Automotive component Industry.
8. Member – 2018. RDU160399. RM30,500.00. Development of Hot Press Forming (HPF) Die with Laser Cladding Surface for Thermal Stability
9. Member – 2015. KTP-RDU131006, RM141,911.25. Innovation and Design of Proper Working Station for Malaysian Traditional Fish Cracker (Keropok)
10. Member – 2015. RDU130348, RM32,000.00. Experimental and Numerical Study of Geometry Variability in Cold Roll Forming Process of Advanced High Strength Steel (AHSS)
11. Member - 2011. RDU110301, RM38,500.00. The Development of High Temperature Combustor System for High Performance Furnace Unit.

Post Graduate

Master Degree

Main Supervisor

1. Wan Iryana Wan Md Nor - Status: Completed 2017.
2. Syahrul Ramadhan Bin Ahmad Kaml Ariffin – Status: Data Analysis and Writing Status

Co-Supervisor

1. Mohamad Shahril Bin Mat - Co Supervisor – Second Semester

Final Year Project Supervision

Bachelor Degree Mechanical Engineering

2010

1. Mohd Hizir Arafat Tambun, 2010
2. Che Amir Rajhan Che Jaffar

2012

3. Muhammad Hafiz Azam
4. Mohamad Jazmir Hassan
5. Fakhurrazi Ab Karim
6. Nazrith Zulkafli,
7. Azrulhafiq Mohd Azizi,
8. Mohd *Hafizu* Hasan Basri,

2013

9. Ngoh Rui Yong
10. Ng Kok Hwang
11. Muhammad Zakiran Abd. Aziz

2014

12. Muhamad Muhaimin Roni
13. Ahmad Syafiq Johan
14. Suriati Akma Sokri
15. Muhammad Rujhan Kassim
16. Muhammad Zaem Jahapar
17. Mohd Zharif Ab. Moin

2015

18. Wan Ahmad Hidayat Wan Ahmad Faisal
19. Mohd Luqman Haqem Ramsaid

20. Amirul 'Aizat Ja'afar
2016
21. Muhamad Zulhilmi Ismail
22. Muhammad Shahrel Md Hassan
23. Mohd. Nasir Dahaman
24. Dzulfarith Zulkifli
25. Muhammad Aizzuddin Abdullah
2017
26. Mohd Faez A Mohmed
27. Mohd Areef Beddu
28. Abdul Hasif Hijazi Abdul Kadir
29. Muhamad Rafiq Ruzlan
2018
30. Abdul Razzaq Samilin
31. Mohd. Amirul Hilmi Mohd Hanoin
32. Mohamad Al-Qayyum Baba

Diploma Mechanical Engineering
2006

1. Mohd Fauzan Tarmin,
2. Md Zaiful Mohtar,

Workshop

1. Design, Fabrication and Testing of LPG Furnace, International Conferences on Advances in Mechanical Engineering, December 2-5, 2010. Shah Alam
2. Outcomes Based Curriculum Design and Constructively Aligned Teaching and Learning Activities Workshop. 2013, Pahang.
3. The National Industrial Training Seminar: Honing the Competitive Edge of the Industry, 10-11 January 2004, University of Malaya. Kuala Lumpur.
4. SCL-A Vehicle Towards Effective Teaching', December 2004, Utec, Pahang.

Publications/Conferences

Jasri Mohamad, (2017). Investigating Bauschinger Effect and Plastic Hardening Characteristics of Sheet Metal under Cyclic Loading. International Journal of Materials Forming and Machining Processes (IJMFMP) 4(2). Page 14. DOI: 10.4018/IJMFMP.2017070101.

Jasri, Mohamad (2016) A New Tool to Acquire Sheet Metal Cyclic Plasticity Data for Hardening Models. In: Conference Proceedings: International Conference On Materials Science, Metal & Manufacturing (M3 2016), 18-19 January 2016 , Singapore. pp. 94-100.. ISSN 2251-1857.

Jasri, M; Iryana (2016) Reliability of Isotropic Model in Finite Element Simulation to Predict Wrinkling in Deep Drawing Process, M N. MATEC Web of Conferences; 54, 03003, EDP Sciences. DOI: 10.105 003.

Wan Iryana, Wan Md Nor and Jasri, Mohamad (2017) Finite Element Simulation to Predict Wrinkling in Low Carbon Steel Deep Drawing Process Using Isotropic Model. ARPN Journal of Engineering and Applied Sciences. Vol. 12, No. 14.

Mohd Zaidi, Sidek and Anas Basri, Musthafa and Jasri, Mohamad and Muhamad Rozikin, Kamaluddin (2013) Finite Element Analysis on Dissimilar Thickness Joining of The Tailor-Welded Blank Process In: Malaysian Technical Universities Conference on Engineering & Technology (MUCET 2013), 3-4 December 2013 , Kuantan, Pahang. pp. 1-2.