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Academic Qualification

Master Degree

Field of Study : Master Degree (Research) In Manufacturing Engineering
Institute/University : Universiti Malaysia Pahang
Supervisor : Prof. Dr. Hj. Zahari Taha
Research Area : Sheet Metal Forming (Hot Stamping Process)
Graduation Date : August 2014

Bachelor's Degree

Field of Study : Bachelor of Technology – Production Technology
Major : Tool & Die
Institute/University : German Malaysian Institute/KUiTHO, Malaysia
Grade : 2nd Class Upper (CGPA 3.40)
Graduation Date : Oct 2005

Diploma

Field of Study : Diploma in Mechanical Engineering
Major : Automotive
Institute/University : MARA University of Technology, Malaysia
Grade : 2nd Class Lower (CGPA 2.44)
Graduation Date : Oct 2001

Research Interests

My research area includes Tool and Die; Sheet Metal Forming, Die Design, Plastic Material Processing and Mold Design, Hot Stamping Process, Machining; Computer Aided Machining

Research Project

Research Member: Analysis of flow and solidification of casting process, UMP internal Grant RDU090353 (2009-2010)

Research Member: Experimental assessment of cooling efficiencies in a non-isothermal sheet metal forming technology, UMP internal Grant RDU120392 (20012-2014)

Research Member: Influences of cutting parameters on tool wear and surface roughness during machining of high thermal conductivity tool steel htcs-150, UMP internal Grant RDU120347 (2012-2014)

Research Member: Development of Hot Press Forming Die for Ultra High Strength Steels in Automotive Component Application, UMP internal Grant RDU130343 (2013-2015)

Research Member: SKD61 Hot Working Tool Steel, UMP internal Grant RDU130343 (2013-2015)

Research Member: Aluminium (Al) 6061 Alloy Metal Matrix Composites Reinforced with Fly Ash Particles (FAPs) and Carbon Nano Tube (CNT) for Automotive Component, UMP internal Grant RDU150371 (2015-2017)

Research Member: Simulation routines using programming algorithms for the application of CNC machining in rapid manufacturing, RAG Grant RDU151406 (2015-2017)

Career History

1. Junior Lecturer at Faculty of Manufacturing, Universiti Malaysia Pahang October 2014 - Present
2. Tutor at Faculty of Manufacturing, Universiti Malaysia Pahang March 2009 – October 2014
3. Technical Training Officer at Production Technology Department, German Malaysian Institute June 2007 – February 2009
4. Tool Maintenance Engineer at Malaysian Sumitomo Metal Mining (Electronics) Sdn Bhd, May 2006 – June 2007
5. Production Engineer at Shimano Component Malaysia Sdn Bhd, May 2005 – June 2006

Publication

Comparison of Cooling Performance between High Thermal Conductivity Steel (HTCS 150) and Hot Work Tool Steel (SKD 61) Insert for Experimental Tool Using Finite Element Analysis, Journal of Materials and Manufacturing Process 2014, Scientific.net

Comparison of Cooling Performance between High Thermal Conductivity Steel (HTCS 150) and Hot Work Tool Steel (SKD 61) Insert for Experimental Tool Using Finite Element Analysis, Journal of Materials and Manufacturing Process 2014, Scientific.net

Estimation of Thermal Contact Conductance between Blank and Tool Surface in Hot Stamping Process, IOP Conference Series: Materials Science and Engineering, Vol 114, 2016