

CURICULUM VITAE

Name : Ir. Dr. Mohd Rashidi bin Maarof
Designation : Senior Lecturer
Grade : DS52
Staff ID : 0575
Department : Faculty of Mechanical Engineering
Office No : 094246323
Email : rashidimaarof@gmail.com / mrashidi@ump.edu.my
Website : <http://www.ump.edu.my>



ACADEMIC QUALIFICATION

- Universiti Teknologi Malaysia / Faculty of Mechanical Engineering / PhD / Foundry / 2015
- Universiti Teknologi Malaysia / Faculty of Mechanical Engineering / Master / Advanced Manufacturing Technology / 2007
- Universiti Teknologi Malaysia / Faculty of Mechanical Engineering / Degree / Mechanical (Pure) / 2000

PROFESSIONAL AFFILIATION

- Board Of Engineers (BEM), Professional Engineers (Ir.) No. C114220, 05/11/2009 – present
- Institution of Engineers (IEM), Corporate Member (MIEM) No. 25576, 02/03/2009 – present
- Jabatan Keselamatan dan Kesihatan Pekerjaan (JKKP), Steam Engineer Grade 2, 29/08/2004 – present

EXPERTISE

- Foundry Technology – Ferrous and non-ferrous metal castings
- Power Plant Engineering – MECHMAR, VICKERS

WORKING EXPERIENCE

- Faculty of Mechanical Engineering, UMP, Lecturer – Manufacturing Focus Group, 30/06/2006 - present
- Felda Palm Industries Sdn Bhd, ENGINEER, 04/11/2001 - 02/07/2005, Permanent
- Aluminum Alloy Castings Sdn Bhd, ENGINEER, 15/01/2000 - 15/07/2001, Permanent
- JPS W/Persekutuan, ENGINEER, 16/07/2001 - 03/11/2001, Contract basis

RESEARCH INFORMATION

(Title), (Role)

YEAR: 2017

- Characterization of Microstructure and Properties of Nickel Aluminum Bronze (NAB) Using Degassing Method (**RDU160378**), leader

YEAR: 2016

- Development of a High Temperature Viscometer for Semisolid Metal Processing (**RDU1603125**), Member
- Characterization of microstructure and properties of nickel aluminium bronze (NAB) using degassing method (**RDU160378**), Leader

- Investigation of thixoforming process to enhance mechanical properties for automotive components production (**RDU160311**), Member

YEAR: 2015

- Microstructure and mechanical characterization of semisolid metal components for wrought aluminium alloys (**RDU151412**), Member

YEAR: 2014

- Development of Thermal Wear Test System for Casting Die in Automotive Components Manufacturing (**RDU1403150**), Member
- Novel Composites And High Temperature Alloys From Recycled Automotive Aluminium Scrap (**RDU140113**), Member
- Development of Aluminium Based Composites and High-Temperature Alloys from Recycled Automobile Scrap Alloy (**RDU140363**), Member

YEAR: 2013

- To develop a modified Ductile Ni-resist alloy using casting austempered process for elevated temperature components (**RDU131402**), Leader
- To enhance graphite nodularity of modified Ductile Ni-resist using direct insertion of alloying element during casting (**RDU130145**), Leader

YEAR: 2009

- Analysis of Flow and Solidification of Casting Process (RDU090353), Member

YEAR: 2007

- Design and Development of The Multi Purpose Polymer Floor Tile to Meet The Performance Needs of Athletes (**RDU070345**), Member
- Design, Analysis and Development Of Incremental Forming Process Utilising PC-NC Controller (**RDU070306**), Member
- A Study On Awareness of OHSMS and OSH Related Act Among Contractor In Construction Industry In Pahang (**RDU070314**), Member

EXHIBITION

(Title) , (Exhibition) , (Level) , (Award Winning / Medal) , (Date)

- Design, Analysis and Development of Incremental Forming Process Utilising PC-NC Controller , ITEX 2008 , Antarabangsa , GANGSA DAN SETARA , 09/05/2008 to 09/07/2008
- Design and Development of PC_NC Incremental Forming Machine , ITEX 2008 , Antarabangsa , GANGSA DAN SETARA , 05/09/2008 to 05/11/2008

SELECTED JOURNAL

- Effect of solidification on microstructure and mechanical properties of modified ductile Ni-resist with higher manganese content, Materials and Science Engineering A (ELSEVIER), 2014, 2.003 Impact Factor (Q1 Journal)
- Microstructure and mechanical properties of modified ductile Ni-resist with higher manganese content, Materials and Science Engineering A (ELSEVIER), 2013, 2.003 Impact Factor (Q1 journal)
- Effect of inoculation on microstructure, mechanical and corrosion properties of high manganese ductile Ni-resist alloy, Materials and Design (ELSEVIER), 2013, 2.90 Impact factor (Q1 Journal)

SELECTED SUBJECT TEACHING

- Advanced Manufacturing MME6134
- Engineering Management & Safety BMM3023
- Integrated Design Project BMM4704
- Mechanical System Design BMM4623
- Environmental Safety and Health BHM4911
- Occupational Safety and Health BHA2021
- Quality and Environmental Management System BMM2021
- Engineer and Society BMM3011/4021
- Manufacturing Process BMM3643
- Project Management BMM4022
- Metal Castings BMF4743
- CAE & Failure Analysis BMM3663
- Manufacturing Technology DME2633
- Manufacturing Process Lab BMM3611
- Engineering Mechanic Lab 1 BMM1511
- Mechanical Technology Lab DMM2941
- Massive Open Online Courses – Engineering Management: Route to Professional Engineers