Dr Ahmad Razlan Yusoff
Sr.Lecturer/Deputy Dean of Research & Innovation and Post Graduate
Faculty of Manufacturing Engineering,
Universiti Malaysia Pahang,
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MALAYSIA.
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Email: razlan@ump.edu.my

Academic Qualification

PhD (Mechanical Engineering)-University of Sheffield, 2010
M.Sc in Mechanical Engineering-Applied Mechanics, USM, 2003
B.Eng (Hons) Mechanical Engineering, USM, 2000

Brief Profile

Dr Ahmad Razlan Yusoff holds PhD in the area of Mechanical Engineering from the University of Sheffield, United Kingdom. Before that, he was studied B.Eng(Hons) and MSc in the same area from Universiti Sains Malaysia, Malaysia. He received study sponsorship award in his degree (JPA), master (USM special scholarship) and PhD study levels (SLAI), a best paper in an international conference and several medal awards in several exhibitions (CITRX, IENA, I-TEX and MOSTE). He joined University of Sheffield as a PhD student and researcher where he participated in 3 ESPRC grants (UK). At present, he is a senior lecturer and deputy dean of academic and post graduate in the faculty of Manufacturing Engineering at Universiti Malaysia Pahang, Pahang, Malaysia. His research interests include Machining Dynamics, Robotic Applications and Vehicle Dynamics. Dr.Razlan has supervised 5 masters and a PhD student and has published 5 books, 34 papers in several conferences and 18 journals based on his experiences in machining dynamics, artificial intelligence applications and power plant emission.

Working Experiences/Appointment

Senior Lecturer, Universiti Malaysia Pahang, 2010-present
Lecturer, Universiti Malaysia Pahang, 2004-2010
Lab demonstrating, University of Sheffield 2009-2010
Lab coordinator, Open University Malaysia 2006-2007
Lecturer, Kolej Linton, Ipoh, Perak 2003
Research Assistant – USM 2000-2002

Expert Area

1. Machining Dynamics
2. Artificial Intelligent Application (Neural Network, Differential Evolution, Genetic Algorithm)
3. Power Plant Emission

Research Interest

1. Machine tools
2. Passive Vibration Control
3. Vehicle dynamics
4. Robotic Applications
5. Modal Testing

Research Project/ Grant

1. Process damping in milling: An alternative technique for a low speed titanium machining (Researcher-UMP Grant)-RM 34 100.00 (RDU 120317) (2012-2014)
2. Process Optimization for Intelligent Manufacturing and Product Development & Innovation

(Leader Project-MTUN-COE under program Sustainable Integrated Direct Recycling of Metal Waste Management-RM400 000.00)- RM 61 200.00 (RDU121204) (2012-2014)

3. Nanoparticles based Coolants in Grinding Processes for Automotive Industry Cooling Appications (Researcher-UMP Grant) (RDU 12030) RM 34 525.00 (2012-2014)
4. Potential of integrated chatter avoidance and minimum quantity lubrication condition in machining process (Leader-FRGS Grant) (RDU 120104) RM 56 000.00 (2012-2014)
5. Development of desktop injection molding machine (Leader-UMP Grant) (RDU 090354) RM 39 100.00 (2009-2011)
6. Development of Tool-Life Performance Model for Mold and Die Using Near Dry Machining Technique (researcher-UMP Grant) RDU110373 RM36,600.00 (2011-2013)
7. Non contact electromagnetic modal testing actuator for high machining application (Researcher-UMP Grant), RDU UMP(RDU 110316) RM 23 500.00 (2011-2013)
8. Development of Vibration Energy Harvester from Radom Forced Excitation (Researcher-UMP Grant), RDU UMP (RDU 110316) RM 28 404.00 (2011-2013)
9. Development of integrated robotic systems for mould polishing in automotive industry applications -RDU UMP (Leader-UMP Grant) (RDU 110323) through AEC RM35 000.00 (2011-2013)
10. Development of high productivity milling tool for chatter suppression-RDU UMP (Leader-UMP Grant)(RDU 110305) RM 31 000.00 (2011-2012)
11. Process damping in milling: Theory, experiment, and practical solutions ESPRC Grant (EP/D052696/1) Amount GBP284 744 (Researcher)-Completed 2010
12. New methods for chatter avoidance ESPRC Grant (GR/S49841/01) Amount GBP184 134(Researcher)-Completed 2009
13. New methods for chatter avoidance: Prediction methodologies ESPRC Grant (GR/S49858/01) Amount GBP133 484 (Researcher)-Completed 2008
14. Assembly Line Balancing for Automotive Manufacturing-Short term Grant KUKTEM (RDU04/1/13) Amount RM36 000.00 (Researcher)-Completed 2004
15. Controlling the Emission of Pollution from the Boiler of Palm Oil Mill by Using Neural Network and Genetic Algorithm Grant sponsored by Yayasan Felda (USM account no:A0567) Amount RM98 000.00 (Researcher)-Completed 2002

Professional Qualification / Membership / Affiliation / Experience

Graduate Engineer Member of Board of Engineers, Malaysia (BEM) (44101R)
Graduate Engineer Member of Institute of Engineer Malaysia (IEM) (29113G)
Member of International Association Engineers (IAENG) (111896)
Fellow Automotive Engineering Center (AEC) UMP
Member of Industrial Center of Excellent (I-COE, Miyazu-Tools, Dies and Mould), AEC, UMP
Member of Industrial Center of Excellent (I-COE, Sapura-Suspension system), AEC, UMP

Teaching Experience

2012	BFF 1102	Statics	64 students
2012	BFF 1123	Dynamics	70 students
2011	BMM 1553	Dynamics	11 students
2011	BFM 3003	Artificial Intelligent Systems	40 students
2011	BMM 1553	Dynamics	60 students
2010	DMM 2932	Mechanical Technology Lab 3	30 students
2007	BMM 4723	Mechanism Design	56 students
2006	BMM 4723	Mechanism Design	57 students
2006	BMM 2523	Fluid Mechanics 2	181 students
2005	BMM 2613	Computer Aided Mechanical Design	84 students
2005	BMM 1523	Dynamics	181 students
2004	BMM 2553	Dynamics	56 students
	DMM 2523	Dynamics	36 students
	BMM 1313	Computer Programming	55 students

Editor and Reviewer contribution

Editor

1 Editor-in –Chief, Journal of Artificial Intelligence, ISSN-229-3965, Bioinfo Publications, May 2012-2017
2 Editor-in –Chief, World Research Journal of Manufacturing Technology ISSN-229-3965, Bioinfo Publications, May 2012-2017
3 Editor-International Journal of Mechanical Engineering and Sciences(JMES), Faculty of Mechanical Engineering, Universiti Malaysia Pahang-2011

Reviewer

1 National Conference on Post Graduate Studies (NConPGS 2012), Centre for Graduate Studies, Universiti Malaysia Pahang
2 International Conference on Advanced Material Engineering & technology 2012 (ICAMET 2012), Centre for Advanced Materials and Geopolymer, Universiti Malaysia Perlis
3 2012 IEEE Symposium on Business, Engineering and Industrial application (ISBEIA 2012)
4 2012 IEEE Symposium on industrial electronics and application (ISIEA 2012)
5 International Journal of Mechanical Engineering and Sciences(JMES), Faculty of Mechanical Engineering, Universiti Malaysia Pahang.
6 The 1st International Conference on Advanced Manufacturing (ICAM 2011)
7 The second International Conference on Software Engineering and Computer System (ICSE 2011)
8 Second national Conference in mechanical engineering & post graduate studies (NMCER 2, 2010)
9 International Journal of Engineering (IJE), Computer Science Journal, CSC Journals, Kuala Lumpur, Malaysia
10 World Applied Science Journal

Supervision/Examiner

Examiner

Muhammad Ashikur Rahman Khan, PhD (Mechanical Engineering) Universiti Malaysia Pahang, An experimental investigation and modeling of the electrical discharge machining performance on Ti5-2-5 titanium alloy, 2012.

Supervisor

PhD

1. Syeda Najiha Masood (PMM1101), Development of optimum quantity lubrication technique for quenching the machinability of alloys-Co-Supervisor

Master

1. Mohamad Syahmi Bin Shahrom (MMF12001) Sustainable Integrated Direct Recycling of Metal Cutting Chips-Main Supervisor
2. Norlida Jamil (MMM12003) Non Contact Modal Testing for Machining Application -Main Supervisor
3. Hartini Mustafa (MMF10001) Productivity and line balancing of production line in industry -Main Supervisor
4. Muhammad Adib Shaharum (MMM11006) Variable helix and variable pitch tool geometry effect on process damping in milling-Main Supervisor
5. Mohd Nizam (MMM11009) Development of integrated robotic systems for mould polishing in automotive industry applications -Main Supervisor
6. Cik Anuar bin Mohamed Yunus (MMM 11002) Development of efficient Combustion Furnace-Co-Supervisor

Bachelor

1 Mohd Saffririzal Bin Abdul Halim (2012) Design and development of MIG Torch Cleaner
2 Mohamad Hafiz Mohamad (2012) A multi-purpose soap dispenser using design for manufacturing technique
3 Mohd Raz Firdaus Ramli (2012) Design improvement of consumer product using design for assembly method

4 Mohd Al-Rassid Mohd Borhanudin (2012) Development of Materials Supply Mechanism for Plunger Type Injection Molding
5 Siti Mahfuzah Bte Mohamad (2012)Improvement of take-away water cup design by using concurrent engineering (CE) approach
6 Nurul Fatiehah Adnan (2012) Application of robot for mould polishing
7 Mohamad Alif Mohd Nasir (2012) Development of flexural structure for chatter machining testing
8 Zulkifli Nawawi (2012) Vibration investigation for passenger car with different damping
9 Mohd Azfadir Mohd Daud (2012) Process damping technique for titanium alloy machining at low speed machining
10 Mohd Azwan Zainol Abidin (2012) Experimental validation for chatter stability prediction
11 Zaihin mohd Zahib (2012) Development of bicycle powered water pump
12 Affandy Aziz (2011) Determination of cutting force stiffness using experimental method
13 Ngu Ya Mei (2006) Cam Assembly Mechanism Analysis
14 Mohd Yusof (2006) Multi Objective Genetic Algorithms Cam Design
15 Muhd Rufizal (2006) Reverse Engineering of a Cam
16 Mohd Fathi Alias (2006) Adaptive Neuro Fuzzy Interference System for a New Refrigerator Rotary Compressor (Co-supervisor)
17 Mohd Faizuddin Sattar (2006) Simulated Annealing Optimization of Automotive Assembly Line Balancing (Co-supervisor)

Diploma

1 Khairul Syahmi Ahmad (2011) Development of round die for press brake machine
2 Mohd Hafizi Nazih (2005) Motion Platform
3 Mohd Nasaruddin (2005) Pneumatic Gripper
4 Abdul Rahim (2006) Fabrication of Transfer Motion
5 Azrul (2006) Fabrication of Cam Testing Rig
6 Abdul Hakim (2006) Machining of Mould Steel

Industrial Training

1 Mohd Dzulfahizi Bin MohamadSaleh (2011), Technophase Engineering SdnBhd, Johor Bahru, Johor.
2 Muhammad Shahmi Marsahid (2011), Malaysia Marine and Heavy Engineering, PasirGudang, Johor.
3 Mohd Ridwan Bin Ramli (2011), Panasonic AVC Networks Johor Malaysia SdnBhd, Pasir Gudang, Johor.
4 Nor Azmi Badri (2011), Medical-Latex (DUA)Sdn Bhd, Senai, Johor.
5 Alisandra Arieza Fou Bt Muhd Farid Fou (2011), GES Manufacturing Service (M) SdnBhd, Senai, Johor
6 Johari Bin Bar Azwar (2011) Robin Resources (Malaysia) Sdn Bhd, Temerloh, Pahang.
7 Mohamad Sazman bin Sazali (2011) Majlis Perbandaran Kuantan, Kuantan, Pahang
8 Nur Atiqah Binti Ramlan (2011) UMP Green Technology Sdn Bhd, Kuantan, Pahang.
9 Muhammad Saufi Abdul (2011) UMP Green Technology Sdn Bhd, Kuantan, Pahang.
10 Mohd Yusrizal Bin Mohd Yusoof (2011) UMP Green Technology Sdn Bhd, Kuantan, Pahang.
11 Muhammad Zaim Hassan (2011)Petronas Gas Berhad, Segamat, Johor

List of Publications

Thesis

1. Ahmad Razlan Bin Yusoff (2010).Optimisation of Variable Helix End Milling Tools, PhD Thesis, Department of Mechanical Engineering, University of Sheffield, Sheffield, United Kingdom
2. Ahmad Razlan Bin Yusoff (2003). Predicting Smoke Emission From Palm Oil Mill by Using Artificial Neural Network, MSc Thesis, School of Mechanical Engineering, Engineering Campus, Universiti Sains Malaysia, Nibong Tebal, Pulau Pinang
3. Ahmad Razlan Bin Yusoff (2000). Investigation into Response of Buckling on Thin Walled Tubes under Axial Compression, Final Year Project Thesis, School of Mechanical Engineering, Perak Branch Campus, Universiti Sains Malaysia, Tronoh, Perak

International Journal

1. M.A. Shaharun, **A.R.Yusoff** , M.S.Reza, K.A.Jalal (2012) Performance of Process Damping in Machining Titanium Alloys at Low Cutting Speed with Different Helix Tools. IOP Conference Series: Materials Science and Engineering 36 012017 SCOPUS INDEX
2. M.S. Reza, **A. R. Yusoff**, M.A. Shaharun, T.M. Yusof (2012) Optimization of control parameters for SR in EDM injection flushing type on stainless steel 304 workpiece . IOP Conference Series: Materials Science and Engineering 36 012044 SCOPUS INDEX
3. **Hartini Mustafa, Ahmad Razlan Yusoff** and Md Yusoff Ismail (2012) Productivity Study and line balancing of Manufacturing Production line, *Advanced Materials Research Vol. 576 (2012) pp 700-704* ISI/SCOPUS INDEX
4. **Ahmad Razlan Yusoff,** Mohd Firdaus Hassan and Muhammad Hatifi Mansor (2012), *Multiobjective optimization of milling tool geometry for chatter suppression and productivity improvement*, *Advanced Materials Research Vol. 445 (2012) pp 21-26* ISI/SCOPUS INDEX
5. **Ahmad R Yusoff**, Neil D Sims and Sam Turner (2011), *Experimental validation of chatter stability for variable helix end milling tools* IOP Conference Series: Materials Science and Engineering 26 012010 SCOPUS INDEX
6. **Ahmad R Yusoff** and Neil D Sims (2011), Identification of Nonlinear Chatter Instability in Machining Processes for a Special Milling Tool, International Journal of Nonlinear Dynamics, Springer Publication (Submitted) ISI/SCOPUS INDEX
7. **Ahmad R Yusoff** and N. D. Sims (2011). Optimisation of variable helix tool geometry for regenerative chatter mitigation. International Journal of Machine Tools and Manufacture **51**(2): 133-141 *IF=1.956* ISI/SCOPUS INDEX
8. **Ahmad R Yusoff**, Sam Turner, Chris M Taylor and Neil D Sims (2010) The role of tool geometry in process damped milling, *International Journal of Advanced Manufacturing Technology*. ***50*** *pp. 883-895 IF=1.128* ISI/SCOPUS INDEX
9. **Ahmad R Yusoff** and Neil D Sims (2009), *Optimisation of variable helix end millings tools by minimising self excited vibration*. Journal of Physics: Conference Series **181** 012026 SCOPUS INDEX
10. **Ahmad Razlan Yusoff**, Zakri Ghazalli, Hazami Che Hussain (2009) Determining Optimum EDM Parameters in Drilling of Small Holes by Taguchi Method, *International Journal of Manufacturing Technology and Management (IJMTM)**17(4)*** ISI/SCOPUS INDEX
11. A.L.Ahmad, I.A.Azid, **A.R.Yusoff**, K.N.Seetharamu and (2004). Emission Control in Palm Oil Mills Using Artificial Neural Network and Genetic Algorithm. *Computer and Chemical Engineering*, **28(12)** pp. 2709-2715 *IF=1.918 CI=10.* ISI/SCOPUS INDEX
12. I.A. Azid, **A.R. Yusoff**, A.L. Ahmad and K.N. Seetharamu, (2003). Application of Back Propagation Neural Network in Predicting Palm Oil Mill Emission. *ASEAN Journal on Science and Technology for Development*, 20(1), pp. 71-86 SCOPUS INDEX

Local Journal

1. Mohamed Reza Zalani Mohamed Suffian, Siti Rabiatul Aisyah and **Ahmad Razlan Yusoff,** (2012), Multiple Objective of EDM injection flushing type parameter using grey-Taguchi, Journal of Mechanical Engineering and Sciences (JMES) e-ISSN: 2231-8380 (Submitted)
2. **Ahmad R Yusoff** and Neil D Sims (2011), *Determination of optimal variable helix and variable pitch tool geometry for chatter suppression*, *Journal of Advanced Manufacturing Technology 5(1) Jan-Jun 2011 ISSN-1985-3157*
3. **Ahmad Razlan Yusoff,** Mohamed Reza Zalani Mohamed Suffian and Mohd Yusof Taib (2011), Literature review of optimization techniques for chatter suppression in machining, Journal of Mechanical Engineering and Sciences (JMES) e-ISSN: 2231-8380; Volume 1, pp. 47-61, December 2011
4. Muhammad Hatifi Mansor, Mohd Firdaus Hassan and **Ahmad Razlan Yusoff** (2011), Simulation Study on Cutting Tool System using Intelligent Active Force Control , Journal of Mechanical Engineering and Sciences (JMES) e-ISSN: 2231-8380; Volume 1, pp. 62-74, December 2011
5. T.M. Yusof, **A. R. Yusoff** (2011) Experimental data analysis for optimum refrigerant charge of a mini bar refrigerator UMP Journal of engineering and technology (under publication)

6. **A.R.Yusoff** and I.A.Azid (2009). Combining Genetic Algorithm and Artificial Neural Network to Optimize Biomass Steam Power Plant Emission. Journal of Faculty of Mechanical Engineering (JMechE), Vol. 3 (06) Faculty of Mechanical Engineering, Universiti Teknologi MARA, Selangor.
7. **A.R.Yusoff** and I.A.Azid (2009) Biomass Boiler Emission Analysis using Artificial Neural Network. Jurnal Teknologi, Vol. 50 pp.15-28 Universiti Teknologi Malaysia, Johor.
8. **Ahmad Razlan Yusoff** dan Ahmad Rasdan Ismail (2006). Perbandingan Analisa Kepekaan Rangkaian Neural Buatan Emisi dari Dua Kilang Kelapa Sawit. Proceeding of Research and Development, Department of Mechanical & Materials Engineering, UKM pp 163-170, IISBN 983-2975-55-7
9. **Ahmad Razlan Bin Yusoff** and Ishak Abdul Azid (2004). Sensitivity Analysis via Artificial Neural Network of Biomass Boiler Emission. *Jurnal Mekanikal* **18** pp. 66-77. Universiti Teknologi Malaysia, Johor

International Conference

1. **Ahmad Razlan Yusoff**, Hazami Che Hussain Muhammad Hatifi Mansor and Muhammad Azuan Zainol Abidin (2012), Analytical Chatter Stability Prediction for Irregular Types of Milling Tools, International conference on advances in materials and processing technologies (AMPT 2012), 23-26 Sept 2012, Wollongong, Australia.
2. M.A. Shaharun, **A.R.Yusoff**, M.S.Reza, (2012), Mechanism of Variable Helix Tools in Suppressing Chatter using Process Damping for Machining Titanium Alloys at Low Cutting Speed, *International conference on advances in materials and processing technologies (AMPT 2012), 23-26 Sept 2012, Wollongong, Australia.*
3. Hartini Mustafa, Ahmad Razlan Yusoff and Md Yusoff Ismail (2012) Productivity Study and line balancing of Manufacturing Production line, International Conference on Advances of Manufacturing and Materials Processing, (ICMME 2012), Kuala Lumpur
4. **Ahmad Razlan Yusoff,** Mohd Firdaus Hassan and Muhammad Hatifi Mansor (2012) Nonlinear Effect on Frequency Response Functions of Cutting Tool for Chatter Stability Prediction, 3rd International Conference on Production, Energy and Reliability (ICPER 2012), Kuala Lumpur
5. M.A. Shaharun, **A.R.Yusoff** , M.S.Reza, K.A.Jalal (2011) Performance of Process Damping in Machining Titanium Alloys at Low Cutting Speed with Different Helix Tools. International Conference on Mechanical Engineering Research (ICMER 2011), 4-7 Dis 2011, Kuantan
6. M S Najiha, M M Rahman, M Kamal, **A R Yusoff** and H A Salaam (2011) The Minimum Quantity Lubricant Flow Analysis in Milling Operation: A CFD Approach. International Conference on Mechanical Engineering Research (ICMER 2011), 4-7 Dis 2011, Kuantan
7. M.S. Reza, **A. R. Yusoff**, M.A. Shaharun, T.M. Yusof (2011) Optimization of control parameters for SR in EDM injection flushing type on stainless steel 304 workpiece International Conference on Mechanical Engineering Research (ICMER 2011), 4-7 Dis 2011, Kuantan
8. T.M. Yusof, **A. R. Yusoff**, R Mamat (2011) Combination of experimental data and computer prediction of an analysis for optimum refrigerant charge of a mini bar refrigerator International Malaysian University Technical International Conference (MUiCET 2011), 25-27 Nov 2011, Batu Bahat
9. M.S. Reza, A.R. Yusoff, M.A. Shaharun, Nafrizuan Mat Yahaya Optimization of EDM Machining Parameters on AISI 1020 Carbon Steel Workpiece using Grey Relational Analysis", incoming Malaysian Technical Universities International Conference on Engineering and Technology (MUiCET 2011), 25-27 Nov 2011, Batu Bahat
10. **Ahmad Razlan Yusoff,** Nafrizuan Mat Yahya and Mohamed Reza Zalani Mohamed Suffian (2011), *Improvement of milling tool geometry optimization using a refined differential evolution algorithms for chatter avoidance, 26th International Conference on CADCAM, Robotics & Factories of the Future (CARs&FOF), 26-28 July 2011, Kuala Lumpur, Malaysia.*
11. **Ahmad Razlan Yusoff,** Mohd Firdaus Hassan and Muhammad Hatifi Mansor (2011), *Multiobjective optimization of milling tool geometry for chatter suppression and productivity improvement, International conference on advances in materials and processing technologies (AMPT 2011), 13-16 July 2011, Istanbul, Turkey.*

12. **Ahmad Razlan Yusoff** and Nafrizuan Mat Yahya (2011), *A Refined Differential Evolution for Improving Optimization Process, International conference on software and computer engineering 2011, 20-21 September 2011, Kuantan, Malaysia.*
13. **Ahmad R Yusoff** and Neil D Sims (2010), Identification of Nonlinear Chatter Instability in Machining Processes for a Special Milling Tool, *International conference of experimental mechanics 2010, 29-1 December 2010, Kuala Lumpur*
14. **Ahmad R Yusoff** and Neil D Sims (2010), *Determination of optimal variable helix and variable pitch tool geometry for chatter suppression, International conference on design and concurrent engineering 2010, 20-21 September 2010, Melaka, Malaysia (The best paper in the conference)*
15. **Ahmad R Yusoff** and Neil D Sims (2010), *Period one chatter instability of variable pitch milling tools, Thirteenth Conference on Non Linear Vibrations, Dynamics and Multibody Systems, 23-27 May 2010, Virginia Polytechnic Institute and State University, USA*
16. **Ahmad R Yusoff**, Neil D Sims and Sam Turner (2009), *Experimental validation of chatter stability for variable helix end milling tools*, Trends in Aerospace Manufacturing 2009 International Conference, Sheffield.
17. **Ahmad R Yusoff** and Neil D Sims (2009), *Optimisation of variable helix end millings tools by minimising self excited vibration*, 7th International Conference on Modern Practice in Stress and Vibration Analysis, Cambridge.
18. **A.R. Yusoff**, M.Y. Norninawti and M.F.F. Ab. Rashid, 2007, Combination of Multi Objective Genetic Algorithm and Polynomial Function to Optimize Cam Design, AEESEAP Regional Symposium 2007, Kuala Lumpur, Malaysia
19. **Ahmad R Yusoff**, Neil D Sims and Richard E Clarke (2008), *Non-Contact Electromagnetic Actuators for Chatter Stability Analysis of Milling Tools, 9th International Conference on Vibrations in Rotating Machinery (ICVRM 08), 8-10 September 2008, University of Exeter, United Kingdom*
20. Ahmad Rasdan Ismail, Baba Md Deros, Rozli Zulkifli, Azimin Samsul Mohd Tazilan and **Ahmad Razlan Yusoff**, 2006, *A Preliminary Study Of Noise Exposure Assessment* At A Malaysian Construction Site, *The Proceeding of The International Conference On Environment (ICENV2006), 13th -15th November 2006, Penang, Malaysia*
21. **Ahmad Razlan Yusoff**, Zakri Ghazalli, Hazami Che Hussain (2006) Determining Optimum EDM Parameters in Drilling of Small Holes by Taguchi Method, *Proceedings of ICOMAST2006International Conference on Manufacturing Science and Technology 28 to 30 August 2006, Melaka, Malaysia. Paper No:449*
22. **Ahmad Razlan Yusoff**, Mohd Fazli Ismail and Zakri Ghazalli (2006) Productivity and Line Balancing Improvement of Automotive Assembly Line through Discrete Event Simulation, *Regional Conference in Vehicle Engineering and Technology (RiVET 2006)*, 3-5 July, 2006, Kuala Lumpur.
23. **Ahmad Razlan Yusoff**, Wan Mansor Wan Muhammad, Mohd Fazli Ismail and Zakri Ghazalli (2006) Balancing Automotive Production Line with Simple Assembly Line Balancing Type General, Proc. of International Conference of Manufacturing and Materials Processing (ICMM 2006), pp. 451-456, Kuala Lumpur.
24. **Ahmad Razlan Yusoff** and Mohd Zuki (2005) Boundary Layer Flow Due to a Moving Flat Prediction in Micropolar Fluid based on Artificial Neural Network, Proc. of Conference in Intelligence System and Robotics 2005 (CISAR 2005), International Advanced Technology Congress (ATCi), 6-8 Dec 2005, IOI Mariot Hotel, Putrajaya
25. I.A. Azid, **A.R. Yusoff**, Z.M. Ripin, K.N. Seetharamu and A.L. Ahmad, (2001) *Monitoring Palm Oil Mill Emission by Using Artificial Neural Network*, 6th World Congress of Chemical Engineering, Melbourne 23-27 September 2001.
26. I.A. Azid, Z.M. Ripin, M.S. Aris, A.L. Ahmad, K.N. Seetharamu and **A. R. Yusoff,** (2000). Predicting Combined-Cycle Natural Gas Power Plant Emission By Using Artificial Neural Networks. *Proc. of IEEE TENCON 2000, part 111*, 1145-1151, Kuala Lumpur 24-27 September 2000.

Local conference

1. **Ahmad Razlan Yusoff**, Mohd Yusof Taib, Mohd Fathi Alias (2006) Adaptive Neuro Fuzzy Inference System Prediction for a New Refrigerator Rotary Compressor Performance. Proc Seminar Kebangsaan Sains Kuantitatif 2006 (SKSK06). Langkawi.19-21 Dis, 2006.
2. **Ahmad Razlan Yusoff** and Mohd Zuki Salleh (2006). Development of Cam used in Valvetrain of Internal Combustion Engine using Genetic Algorithm and Polynomial Spline: A Feasibility Study. *National Conference on Design & Concurrent Engineering (DECON 2006)* pp. Malacca, 9-10 August 2006
3. **Ahmad Razlan Yusoff** and Rosdi Daud (2006). Reverse Engineering Approach in developing of a Cam profile for Internal Combustion Engine *Proc. Of* National Seminar on Science Technology and Social Sciences (STSS 2006) pp. 535-540, Kuantan, 17-18 May 2006.
4. **Ahmad Razlan Yusoff** and Mohd Zuki Salleh (2006). Design of Cam Profile used in Valvetrain of Internal Combustion Engine by using Polynomial and cycloidal Functions *Proc. Of National Seminar on Science and its Applications in Industries 14-15 Feb 2006*
5. **A.R.Yusoff** and I.A.Azid (2005). Genetic Algorithms and Artificial Neural Networks Optimization of Particulate Matters from Biomass Boiler Emission. *Proc. Of Computational & Experimental Mechanics (CEM2005)*, pp.11-16, Bangi, 17-18 May 2005.
6. **A.R.Yusoff** and M.R. Mohamed (2005). A Backpropagation Neural Networks Algorithm for Online Management of PEM Fuel Cells for Residential Application. *Proc of National Advanced Mechanical Engineering (NAME 05)* vol.1, pp.183-191, Kuala Lumpur, 17-18 May 2005.
7. **A.R. Yusoff**, I. A. Azid, A. L. Ahmad and K. N. Seetharamu, (2003)**.** Application of Neural Network and Genetic Algorithm to Predict and Optimize Particulate Matter from Palm Oil Mill. *Proc. of Environment 2003*, pp.423-427, Batu Feringgi, 15-17 Jan 2003.
8. **Ahmad Razlan Yusoff**, Ishak Abdul Azid and Abdul Latif Ahmad, (2002). Modelling Palm Oil Mill Emission by Using Neural Network. *Mechanical Engineering Research Colloquium2002*. Nibong Tebal 5-6 June 2002.
9. Ishak Abdul Azid, **Ahmad Razlan Yusoff**, Zaidi Mohd Ripin, Abdul Latiff Ahmad dan We Rout Ai Wong, (2000). Punca Dan Pencemar Udara Daripada Kilang Kelapa Sawit Satu Kajian Kes : Kaedah Pengumpulan Data. *Simposains 2000*, Shah Alam 3-4 Oktober 2000.
10. Ishak Abdul Azid, **Ahmad Razlan Yusoff**, Zaidi Mohd Ripin dan Abdul Latif Ahmad, (2000). Pemantauan Dan Kawalan Pelepasan daripada Kilang Kelapa Sawit Menggunakan Rangkaian Neural. *Simposains 2000*, Shah Alam 3-4 October, 2000.
11. I.A. Azid, M.S. Aris, A.L. Ahmad, K.N. Seetharamu and **A.R. Yusoff**, (2000). Monitoring Vehicle Levels In Public Areas A Case Study Of Ipoh City Bus Terminal. *Simposains 2000*, Shah Alam 3-4 October 2000.
12. I.A. Azid, A.L. Ahmad , Z.M. Ripin, K.N. Seetharamu and **A.R. Yusoff**, (2000). Controlling Palm Oil Mill Emission By Using Artificial Neural Network. *Proceeding SomChe 2000*. 551-558, Putrajaya 30-31 October 2000.

Article

1. **Ahmad R Yusoff** (2011), *Process damping: Solution for titanium machining*, Auto Inexuss Issue 4: July 2011Automotive Engineering Centre Universiti Malaysia Pahang
2. **A.R., Yusoff,** Biomass Boiler Emission from Palm Oil Mill Power Plant (2004), April Technical Note in k-portal, cee.kuktem.edu.my
3. Ahmad Razlan Yusoff Artificial Neural Networks (ANN) and its Application in Engineering (2004) May, Technical Note in k-portal, mechanical.kuktem.edu.my
4. Ahmad Razlan Yusoff Biomass Boiler Emission Factors of Palm Oil Power Plant (2004) June, Technical Paper in k-portal, mechanical.kuktem.edu.my
5. Ahmad Razlan Yusoff Yakin dan Percaya (2006) June, Technical Paper in k-portal, mechanical.kuktem.edu.my

Poster

1. **Ahmad RazlanYusoff**(2010) Application of variable helix and variable pitch milling tool for chatter mitigation and process damping. *Proceeding of second national Conference in mechanical engineering & post graduate studies (NMCER 2), 3-4 Dis 2010, Pekan.*

2. **Ahmad R Yusoff** and Neil D Sims (2009), *Optimisation of variable helix end millings tools by minimising self excited vibration*, 7th International Conference on Modern Practice in Stress and Vibration Analysis. Cambridge.
3. Cik Anuar Mohamed Yunus, RizalmanMamat and **Ahmad R Yusoff** (2009), Development of efficient *Furnace*, Universiti Malaysia Pahang, Post Graduate Open Day Poster Exhibition.

Paperwork/Tender/Quotation

1. Accredication document of program bachelor manufacturing engineering in Self Assessment Report, Fakulti Kejuruteraan pembuatan, Universiti Malaysia Pahang, 2012
2. Application document for program bachelor marine engineering in Self Assessment Report, Fakulti Kejuruteraan Mekanikal, Universiti Malaysia Pahang, 2011
3. Accredication document of program bachelor mechanical engineering in Self Assessment Report, Fakulti Kejuruteraan Mekanikal, Universiti Malaysia Pahang, 2010
4. Memorendum of Understanding (MoU) Between Universiti Malaysia Pahang and Universiti Indonesia for program marine engineering, 2011
5. Accredication document of program bachelor mechanical engineering in Self Assessment Report, Fakulti Kejuruteraan Mekanikal, Universiti Malaysia Pahang, 2007
6. Quotation for Supply, Delivery, Installation, Testing and Commissioning of One set of Cam Mechanism System for Mechanical Engineering Laboratory, Fakulti Kejuruteraan Mekanikal, Kolej Universiti Kejuruteraan and Teknologi Malaysia (Reference No:KUKTEM/BEND.SH/2006(58) value RM 90 000.00)
7. Tender for Supply, Delivery, Installation, Testing and Commissioning of One Unit of Gas Turbine Unit for Mechanical Engineering Laboratory, Fakulti Kejuruteraan Mekanikal, Kolej Universiti Kejuruteraan and Teknologi Malaysia (Reference No:KUKTEM/BEND.T/2005(13) value RM 350 000.00)
8. Quotation for Supply, Delivery, Installation, Testing and Commissioning of Thermofluids Equipments for Mechanical Engineering Laboratory, Fakulti Kejuruteraan Mekanikal, Kolej Universiti Kejuruteraan and Teknologi Malaysia (Reference No:KUKTEM/BEND.SH/2005(10) value RM 180 000.00)
9. Quotation for Supply, Delivery, Installation, Testing and Commissioning of Thermodynamics Equipments for Mechanical Engineering Laboratory, Fakulti Kejuruteraan Mekanikal, Kolej Universiti Kejuruteraan and Teknologi Malaysia (Reference No:KUKTEM/BEND.SH/2005(11) value RM 185 000.00)
10. Tender for Supply, Delivery, Installation, Testing and Commissioning of Hydraulics Equipments for Mechanical Engineering Laboratory, Fakulti Kejuruteraan Mekanikal, Kolej Universiti Kejuruteraan and Teknologi Malaysia (Reference No:KUKTEM/BEND.T/2004(30) value RM 800 000.00)
11. Kertas Kerja Cadangan Pindaan Kurikulum Ijazah Sarjana Muda Kejuruteraan Mekanikal Dengan Kejuruteraan Industri/ Teknologi Maklumat/ Kejuruteraan Pembuatan/Biomekanikal/ Kejuruteraan Automotif ke senat universiti KUKTEM 14 Feb 2005
12. Quotation for Supply, Delivery, Installation, Testing and Commissioning of Manufacturing Processes Equipments for Mechanical Engineering Laboratory, Fakulti Kejuruteraan Mekanikal, Kolej Universiti Kejuruteraan and Teknologi Malaysia (Reference No:KUKTEM/BEND.SH/2004(50) value RM 180 000.00)
13. Quotation for Supply, Delivery, Installation, Testing and Commissioning of Fluids Mechanics Equipments for Mechanical Engineering Laboratory, Fakulti Kejuruteraan Mekanikal, Kolej Universiti Kejuruteraan and Teknologi Malaysia (Reference No:KUKTEM/BEND.SH/2004(6) value RM 180 000.00)

List of Books

1. *Chief-in-Editor for IOP Conference Series: Materials Science and Engineering (2012) Volume 36(Scopus citation):* International conference in mechanical engineering research (ICMER 2011) 5-7 Dis 2011, Kuantan.

2. **Ahmad Razlan Yusoff** and Nafrizuan Mat Yahya (2011), *A Refined Differential Evolution for Improving Optimization Process*, **Communications in Computer and Information Science** Vol. 252 CCIS, Issue Part 2 pp 184-194, Springer publication, ISSN: 18650929 ISBN:978-364225452-9 DOI: 10.1007/978-3-642-25453-6 17.
3. *Green Power Plant in Palm Oil Mills: An Intelligent Approach, Writing in progress, 2012*
4. *Chief-in-Editor for Proceeding of International Conference in mechanical engineering research (ICMER 2011) 5-7 Dis 2011, Kuantan. ISBN 978-960-01-2035-5*
5. *Editor Panel for Proceeding of second national Conference in mechanical engineering & post graduiate studies (NMCER 2),vol.1&2, 3-4 Dis 2010, Faculty of Mechanical Engineering Universiti Malaysia Pahang Publisher. ISBN 978-967-0120-04-1*
6. *Panduan Program Softskills (2005) Kolej Universiti Kejuruteraan & Teknologi Malaysia (KUKTEM)- Panel Penyusun*

List of Consultancy

1. *Shock Absorbers Testing on the road within daily usage- RM 15 000 (UCT110131).*
2. *Development of rapid prototyping hill-slide support for JPS- Under CERRM RM 3 000.00*
3. Laboratory demonstrator coordinator for Open University, 1995-RM5000

Administrative Duties

University level

Deputy Dean of Research & Innovation and Post Graduate	2012-now
International Student Intake Committee in UKRA 1	2012-now
Professional Student Skill Committee in UKRA 3	2012-now
Ahli Jawankuasa Penilaian Penyelidikan UMP, Automotive Engineering Cluster	2012-now
Ahli Jawankuasa Teknikal, Pusat kejuruteraan Automotive	2012-2013
Deputy Dean of Academic and Post Graduate	2011-2012
Ahli Jawankuasa Tetap Senat (JKTS), Akademik dan kurikulum	2011-2012
Ahli Jawankuasa Tetap Senat (JKTS), Pengajian Siswazah	2011-now
Head of Diploma Program	2010-2011
Pusat Islam dan Pembangunan Insan Faculty Representative	2010-now
Head of Service	2005-2007
UMP Staff football Club Manager	2005
Football Club Coordinator	2004
Manufacturing Focus Group Committee	2003-2007
KUKTEM staff football player	2004-2006

Faculty level

FKP International Conference Technical Committee (Chief-in-editor)	2012
FKP Professorial Lecture Committee (vice chairman/editor)	2012
FKP Master by Course (Industrial Engineering) Coordinator	2012
FKP Management Committee	2011-now
FKP Academic Committee	2012-now
FKP EAC Committee	2011-now
FKP International Conference committee	2012-now
FKP Professorial Lecture committee	2012-now
FKP Master by course coordinator	2012-now
FKP Head of Manufacturing design and process Expert Group	2012-now

ICMER 2011 Technical Committee	2011
Coordinator of Marine Engineering Program	2011
FKM Head of Noise and Vibration Focus Group	2011
FKM Management Committee	2010-2011
FKM Technical Committee	2010-2011
FKM Academic Committee	2010-2011
FKM Post Graduate and Research Committee	2010-2011
NCMER 2010 Technical Committee	2010
FKM Technical Committee	2003-2007
FKM Biomechanics Program Coordinator	2003-2006
FKM Final Year Project Coordinator	2003-2005
FKM Knowledge Resource Coordinator	2003-2004
FKM Academic Committee	2003-2005
FKM Exam Board Committee	2003-2007
FKM Thermofluid lab Coordinator	2005-2007

Awards/ Research / Achievements

1. Intelligent Milling Tools for High Productivity in Machining Operation-Ahmad Razlan Yusoff, Hazami Che Hussain, Muhamad Hatifi Mansor in International Invention, Innovation and Technology Exhibition 2012 (ITEX 2012) KLCC, 17 – 19 May 2012-Gold Medal
2. Optimisation of variable helix tool geometry for regenerative chatter mitigation, Kuantan pada 28 April 2012- Anugerah Cendekia Bitara (Journal Publication) 2011 by UMP
3. Intelligent Milling Tools for High Productivity in Machining Operation-Ahmad Razlan Yusoff, Hazami Che Hussain, Muhamad Hatifi Mansor in Creation, Innovation, Technology & Research Exposition 2012 (Citrex 2012) UMP Gambang pada 27 – 28 March 2012-Silver Medal
4. The best Final Year Project Supervision (Mohamad Hafiz Mohamad (2012) A multi-purpose soap dispenser using design for manufacturing technique)
5. The best paper in the conference (Ahmad R Yusoff and Neil D Sims (2010), Determination of optimal variable helix and variable pitch tool geometry for chatter suppression, International conference on design and concurrent engineering 2010, 20-21 September 2010, Melaka, Malaysia)
6. SLAI scholarship for PhD degree in Mechanical Engineering at University of Sheffield 2007-2010
7. Anugerah Khidmat Cemerlang 2005 (APC), Kolej Universiti Kejuruteraan dan Teknologi Malaysia (KUKTEM)
8. Saintis Cemerlang 2005 (Excellent Scientist) from Malaysian Higher Education Ministry due to Ideas-Inventions-New Products (IENA 2004) di Nuremberg German pada 28 – 31 October 2004-Silver Medal
9. Anugerah Pensyarah Cemerlang FKM 2004, MehcaPro, Kolej Universiti Kejuruteraan dan Teknologi Malaysia (KUKTEM)
10. Monitoring And Controlling Of Palm Oil Emissions By Using Neuro-Tool" –Ishak Hj. Abdul Azid, Abdul Latip Ahmad, Ahmad RazlanYusoff and K.N. Seetharamu International Trade Fair – Ideas-Inventions-New Products (IENA 2004) di Nuremberg German pada 28 – 31 October 2004-Silver Medal
11. Monitoring And Controlling Of Palm Oil Emissions By Using Neuro-Tool" -IshakHj. Abdul Azid, Abdul Latip Ahmad, Ahmad Razlan Yusoff and K.N. Seetharamu I-TEX 2003, Sunway Pyramid, Subang Jaya-Silver Medal
12. Monitoring And Controlling Of Palm Oil Emissions By Using Neuro-Tool" -IshakHj. Abdul Azid, Abdul Latip Ahmad, Ahmad Razlan Yusoff and K.N. Seetharamu MOSTE 2003, Putra World Trade Centre, Kuala Lumpur-Gold Medal
13. JPA scholarship for Bachelor Engineering in Mechanical Engineering 1996-2000
14. USM Special scholarship for Master Degree in Mechanical Engineering 2000-2002

15. Yayasan FELDA project grand researcher entitled Monitoring And Controlling Of Palm Oil Emissions By Using Neuro-Tool for Master of Science in Mechanical Engineering 2000-2003 amount of RM 98 000.00

Community Service

1. Penceramah – Final Year Project seminar on literature review 2012-21 September 2012.
2. Penceramah – Briefing on Credit Exemption for FKP-25 September 2012
3. Penceramah – Seminar on research and innovation towards excellence-Jabatan Kejuruteraan Mekanikal, Politeknik Sultan Ahmad Shah, Kuantan, Pahang 19 September 2012
4. Committee for Persatuan Akademik UMP (PAKAD) 2012
5. Interview Panel (Dean representative) for Professorial post in Universiti Malaysia Pahang
6. Ahli Jemaah Pengurusan Sistem Pendidikan Al-Irsyad, Biro Akademik Sek Men Al-Irsyad, 2012-2014
   - Bengkel Brainstoming, AJP- 31 March 2012
   - Meeting 27 April 2012
   - Yaumul Ihtifal 28 April 2012
   - Sambutan Hari Guru 24 May 2012
   - Meeting bersama Guru SMAI- 15 May 2012
   -Perasmi Program Muqayyam SMAI 2012 -24 June 2012

2. *Panel Penilai – FKP Post Graduate Progress Report 2012, 29 June 2012*
3. *Panel Penilai – Creation, Innovation, Technology & Research Exposition 2012 (Citrex 2012) UMP Gambang pada 27 – 28 March 2012*
4. *Penceramah – Coaching for Engineering Accreditation Council (EAC) visit for student 2012-22 March 2012*
5. *Penceramah – Coaching for Engineering Accreditation Council (EAC) visit for staf 2012-20 March 2012*
6. *Penceramah – Final Year Project seminar on Proposal and literature review 2012-20 March 2012*
7. *Panel Penilai – FKM Post Graduate Colloquium 2012, 30 Jan 2012*
8. *Advisory Panel for Diploma Program– Jabatan Kejuruteraan Mekanikal, Politeknik Sultan Ahmad Shah, Kuantan, Pahang (2012-present)*
9. *Panel Penilai – Pertandingan Inovasi Pelajar Diploma Politeknik Sultan Mizan Zainal Abidin 2011, 2-3 Nov 2011*
10. *Penceramah – Seminar on research and innovation towards excellence-Jabatan Kejuruteraan Mekanikal, Politeknik Sultan Ahmad Shah, Kuantan, Pahang 1 Nov 2011*
11. *Penceramah – Endnote software application in technical writing, Noise and Vibration Control, Faculty of Mechanical Engineering, 2011*
12. *Penceramah seminar Route to PhD- Multi Discipline anjuran Pusat Penyelidikan & PengurusanSumberAlam (CERRM), Universiti Malaysia Pahang, 22 Jun 2011.*
14. *Penceramah, Perkongsian pengalaman, Karnival Sains SMK Shahbandar, Pekan, Pahang 28 March 2011*
15. *Panel Penilai, Program Inovatif dan Kreatif, Fakulti Kejuruteraan Mekanikal, 26 Julai 2011*
16. Panel Temuduga Jabatan Perkhidmatan Awam bagi Pelajar Lepasan SPM 2011
17. *AJK Penerbitan dan Informasi, Surau Fatimah Az-Zahra', Taman Indera Sempurna, 25150 Kuantan, Pahang 2011-2012*
    -Sambutan Maulidurrasul dan Kesenian Islam 2012
    - Sambutan Hari Raya Korban 2011
    - Sambutan Ramadhan 2011
    -Sambutan Israk dan Mikraj 2012
    - Sambutan Program Ambang Ramadhan 2012

18-Ahli Persatuan Pembimbing Masyarakat Sejahtera (PPMS)
- Bersama Masyarakat Felda Pancing Selatan 2010
- Pengarah Kejohanan Futsal Persahabatan2011
- Weekly meeting

19-Bendahari- Persatuan Masyarakat Pelajar Malaysia Sheffield (PMPMS)-2007-08

List of Course / Conference Attended

No	Course/Seminar/Workshop	*Date*	*Venue*	*Organizer*	*Sponsor*
1	Mesyuarat Industrial Advisor Pabel (I.A.P) Bagi Program Faculti Kejuruteraan Pembuatan	*12 September 2012*	*Hotel JW Marriot, KL*	*FKP*	*UMP*
2	Mesyuarat Ahli Lembaga Pengajian (B.o.S) Bagi Program Dwi Ijazah Kejuruteraan Mekatronik & Automotif Kerjasama UMP-HsKA, Jerman	*12 September 2012*	*Hotel JW Marriot, KL*	*FKP*	*UMP*
2	Promosi Jom Masuk U	*11-12 March 2012*	*Kuching, Sarawak*	*KPT*	*UMP*
3	Mesyuarat Ahli Lembaga Pengajian (B.o.S) Bagi Program Dwi Ijazah Kejuruteraan Mekatronik & Automotif Kerjasama UMP-HsKA, Jerman	*9 March 2012*	*Hotel Maya, KL*	*GACC*	*UMP*
4	Bengkel Penambahbaikan SAR Program Kejuruteraan Pembuatan	*22-23 Feb 2012*	*UMP Pekan*	*FKP*	*UMP*
5	Promosi Jom Masuk U	*10-13 Feb 2012*	*Kota Kinabalu, Sarawak*	*KPT*	*UMP*
6	E-Learning, Course Outcome Course Assessment (COCA) & Course Quality Improvement (CQI) Workshop	*9 Feb 2012*	*UMP Pekan*	*FKP*	*UMP*
7	Bengkel Perancanagn Strategik & Penetapan KPI Pusat Kejuruteraan Automotive	*2-4 Feb 2012*	*Colmar, Bukit Tinggi*	*AEC*	*UMP*
8	Multi Disciplinary Workshop	*5 Jan 2012*	*UMP Gambang*	*CERRM*	*UMP*
9	USM Benchmarking Bachelor Manufacturing	*27 Dec 2011*	*USM Nibong Tebal*	*FKP*	*UMP*
10	Bengkel Penyediaan SAR Program Kejuruteraan Pembuatan	*21-23 Dec 2011*	*Colmar, Bukit Tinggi*	*FKP*	*UMP*
11	UIAM Benchmarking Bachelor Manufacturing	*13 Dec 2011*	*UIAM Gombak*	*FKP*	*UMP*
12	Bengkel Penyediaan SAR Program Kejuruteraan Pembuatan	*3-5 Dec 2011*	*MS Garden, Kuantan*	*FKP*	*UMP*
13	Pemantapan organasasi fakulti kejuruteraan	*25-27 Nov 2011*	*Dusun Eco, Kuantan*	*FKP*	*UMP*

	pembuatan				
14	Lawatan ke SIRIM, Shah Alam dan Universiti Malaya	*25 Nov 2011*	*SIRIM Shah Alam dan Jabatan Kejuruteraan Mekanikal, Universiti Malaya*	*Noise and Vibration Research Group*	*RDU*
15	Mesyuarat Pengemaskinian Kurikulum Akademik (Programme Outcomes) Program Kejuruteraan Pembuatan	*9 Nov 2011*	*Hotel Vistana*	*FKP*	*UMP*
16	A Visit to Special tool manufacturing	21September 2011	TMEH Manufacturing, Bukit Beruntung, Selangor	Machining group in Manufacturing Process Focus Group	RDU
17	Bengkel Kaedah Pengajaran&Pembelajaran dalam bidang Program Kejuruteraan bersama Northern Illinois University (NIU)	8-12 Ogos 2011 15-19 Ogos 2011	Dewan Bankuet, Kompleks PentadbiranUtama	College of Engineering & Engineering Technology, Northern Illinois University (NIU)	UMP
18	Kursus Penyeliaan Pelajar Siswazah	26-28 Julai 2011	Kijal, Terangganu	JPI	UMP
19	Lawatan Kerja ke Institut Teknologi Bandung, Indonesia	14-17 Jun 2011	Bandung, Indonesia	FKM	FKM
20	Seminar Pengurusan Akademik IPT	1-3 Julai 2011	Langkawi	USM	UMP
21	A short Course of Time frequency Analysis	4-5 April 2011	Melia Hotel, KL	TEKBAC	UMP
21	FKM FRGS Workshop	15 March 2011	Bukit Gambang Resort, Kuantan	JPI, UMP	UMP
22	Mesyuarat Pembangunan Program Baharu (Kejuruteraan Marin) bersama Ahli Lembaga Pengajian FKM	9 March 2011	*MS Garden, Kuantan*	*FKP*	*UMP*
23	Automotive FRGS Workshop	1 March 2011	Grand Continental, Kuantan	AEC	UMP
24	Bengkel Training of Trainer Mento-Mentee 2011	31 Jan – 2 Feb 2011	De Rhu Resort	JHEPA	UMP
25	Kursus PTK5	23-28 Dis 2010	UMP Gambang	HR	UMP
26	Operation management &	Dis	UMP	FKP	UMP

	optimization: Multiobjective Genetic Algorithm Approach	2010	Gambang		
27	Pameran dan ceramah kerjaya politeknik polisas-pahang	20-21 Okt 2010	Polisas, Kuantan, Pahang	BPA	UMP
28	Bengkel Laporan & Dokumentasi EAC	7-8 Okt 2006	Kijal, Terengganu	FKM	UMP
29	Bengkel OBE	7-8 Sept 2006	Kuantan, Pahang	FKM	UMP
30	Bengkel Pemurnian Kurikukum,Silibus, Perancangan Pengajaran & OBE bagi tujuan penilaian EAC	26-29 Jun 2006	Balok, Pahang	FKM	UMP
31	LTWC	Mac 2004	Cheneh Recreation and Resort	Quality Unit	KUKTEM
32	INDUKSI	Mei 2004	Lanjut, Rompin	HR	KUKTEM
33	Fluid Properties, Centrifugal Force and Governer	April 2004	KUKTEM	Kosijaya	Kosijaya
34	Pressure loss, Bernoulli Theorem and Tabular Heat Exchanger	Mei 2004	KUKTEM	Cahaya Ledang	Cahaya Ledang
35	Gyroscope, Balancing, rolling disk and inertia rotation	Mei 2004	KUKTEM	Cahaya Ledang	Cahaya Ledang
36	Application of Artificial Intelligent with Matlab	Dis 2004	Parkroyal Hotel, Kuala Lumpur	Tekbec, Singapura	Grand KUKTEM
37	CEMS 2005	Mei 2005	ESSEN, Bangi	UKM	KUKTEM
38	NAME 2005	Mei 2005	Cititel, KL	UITM	KUKTEM
39	Kecemerlangan Diri & Organisasi	Julai 2005	KUKTEM	HR	KUKTEM
40	PTK 3	Sept 2005	AwanaKijal	HR	KUKTEM
41	Research Methodology	March 2005	De Palma Resort	ILQAM UiTM	KUKTEM
42	Research Methodology	Mei 2005	KUKTEM	ORGS	KUKTEM
43	Kursus Taksonomi Blooms	Mei 2005	Legend Resort	FKM	KUKTEM
44	Bengkel Analisis Peperiksaan	Dec 2005	Makmal CNC	FKM	KUKTEM
45	iCISAR 2005	Dec 2005	Marriot, Putrajata	UPM	KUKTEM
46	Basic & Advanced Hydraulics Training	August 2005	KUKTEM	FESTO	Shamawar
47	Basic & Advanced Electro Hydraulics Training	Sept 2005	KUKTEM	FESTO	Shamawar
48	Witness Software Training	October 2005	KUKTEM	ASR Synergy	Global Electromegn et
49	Force Dynamometer	Sept 2005	KUKTEM	Dewetron	Cahaya

					Ledang
50	Sodick Wirecut EDM CNC	October 2005	KUKTEM	Sodick	PRT
51	Bomb Calorimeter	Dec 2005	KUKTEM	Hisco	Hisco
52	Air Conditioning Unit, Marcet Boiler and Heat Conduction	Dec 2005	KUKTEM	Soltex	Solplus

Referee

1 Assoc. Prof Dr Wan Azhar Wan Yusoff
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