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Google Scholar :

https://scholar.google.com.my/citations?hl=en&user=ezyVZ44AAAAJ&view_op=list_works

Academic Qualification

Universiti Putra Malaysia, 2003, M. Sc. (Manufacturing System Engineering)
Universiti Teknologi Malaysia, 1999, B. Eng. (Mechanical Engineering)

Working Experiences / Appointment

1. Jan 2009 ~ present Senior Lecturer, Faculty of Mechanical Engineering, Universiti Malaysia Pahang
2. March 2009 ~ Feb 2013 Laboratory Demonstrator (Mass Spring System, Vibration Lab: Buckling of Struts, Strength of Material Lab: Hardening Steel, Material lab) School of Engineering, University of Liverpool, United Kingdom
3. July 2003 ~ Dec 2008 Lecturer, Faculty of Mechanical Engineering, Universiti Malaysia Pahang
4. April 2003 ~ July 2003 Tutor, Faculty of Mechanical Engineering, Universiti Malaysia Pahang
5. May 2004 ~ Feb 2009 Lecturer/Tutor, Open University, Kuantan Pahang.
6. June 1999 ~ March 2003 Lecturer, IKIP College Education Sdn. Bhd, Kuantan, Pahang

Administrative Experiences

1. Deputy Director, Automotive Engineering Centre (AEC), Universiti Malaysia Pahang, Date of Appointment: 15 Jun 2013 (15/06/13-14/06/15)
2. Deputy Dean (Research & Postgraduate Studies), Faculty of Mechanical Engineering, Universiti Malaysia Pahang, Date of Appointment: 1 April 2007 (01/04/07-31/12/08)
3. Head of Department, Faculty of Mechanical Engineering, Universiti Malaysia Pahang, Date of Appointment: 1 April 2005 (01/04/05-31/01/07)

Expert Area

Structural Dynamics, Nonlinear Vibration Identification, Finite Element Method and Noise Source Identification

Research Interest

Nonlinear Vibration, Finite Element Method and Acoustics

Research Project / Grant

1. A New Algorithm to Identify Nonlinear Vibration of Car Body In White (BIW) Structure
 - Project Leader
 - 1 Dec 2013 – 30 Nov 2016
 - RDU 130149 – FRGS Grant (RM 120,800)
2. Sound Intensity Mapping for Two Stroke Petrol Engine
 - Project Leader
 - 25 Nov 2013 – 24 Nov 2015
 - RDU 130392 – UMP Grant (RM 26,050)

3. Pemindahan Teknologi Sistem Kawalan, Rekabentuk Percetakan Plastik dan Pengurusan Kejuruteraan Dalam Industri Plastik.
 - Project Leader
 - 01 Sept 2014 – 31 Aug 2016
 - RDU 141011 – Knowledge Transfer (KTP) Grant (RM 139,400)
4. Empirical Mode Decomposition (EMD)-Based Signal Analysis of a Diesel Engine using Biodiesel
 - Researcher (Member)
 - 25 Dec 2014 – 24 Dec 2016
 - RDU 1403152 – UMP Grant (RM 20,000)
5. The Application of Dynamic Pressure Sensor Based on FBGs for Monitoring of Water Supply System
 - Researcher (Member)
 - 15 Nov 2014 – 14 Nov 2016
 - RDU 1403155 – UMP Grant (RM 27,000)
6. Development of Bearing Fault Detection System based on Vibration Signal
 - Researcher (Member)
 - 15 Nov 2014 – 14 Nov 2016
 - RDU 1403129 – UMP Grant (RM 21,860)
7. Enhanced Driver Seating Comfort In A Small Size Car Through Digital Human Modelling(DHM) and Pressure Mapping Method
 - Researcher (Member)
 - 01 July 2014 – 30 June 2016
 - RDU 140104 – FRGS Grant (RM 115,100)
8. Multi-axial Fatigue Modelling for Safety-critical Lightweight Automotive Suspension Components
 - Researcher (Member)
 - 1 Dec 2013 – 30 Nov 2016
 - RDU 130146 – FRGS Grant (RM 122,000)
9. Modeling of Human Physiological Implication Towards Whole body Vibration Exposure
 - Researcher (Member)
 - 25 Nov 2013 – 24 Nov 2015
 - RDU 1303124 – UMP Grant (RM 22,250)
10. Modelling of Vehicle Seat for Human Comfort of a Small Size Passenger Car (K-Car)
 - Researcher (Member)
 - 01 Dec 2013 – 30 Nov 2015
 - RDU 1303107 – UMP Grant (RM 27,400)
11. Electromagnetic Braking Effect for Power Steering System
 - Researcher (Member)
 - 25 Nov 2013 – 24 Nov 2015
 - RDU 130390 – UMP Grant (RM 28,000)
12. Design and Development for Interchangeable Shock Absorber Test Rig Dynamic Measurement System
 - Project Leader
 - 14 May 2007 – 13 May 2008
 - RDU 07/01/5 (Without Research Fund)
 - International : International Technology Exhibition (ITEX 2007) – Bronze
 - National : Malaysia Technology Exhibition (MTE 2007) – Bronze
 - Apply patent to RMC
 - Conference Paper: Design and Development for Interchangeable Shock Absorber Test Rig Dynamic Measurement System, Regional Conference Advance in Noise, Vibration and Comfort (NVC 2007), 27-28 Nov 2007, Putrajaya
13. Hybrid Electric Vehicle Driveline Development
 - Project Leader
 - 1 April 2007 – 31 March 2008
 - RDU 07/03/04 (Research Grant – RM 34,000)

- International : International Technology Exhibition (ITEX 2008) – Silver
- University : Anugerah Projek Penyelidikan Hari Kualiti 2007 – Silver
- Apply patent to RMC
- Conference Paper: “Development Of Alternate Hybrid Electric Vehicle (A-HEV) : Main Chassis Construction And Body Design” International Conference on Science and Technology, Applications in Industry and Education, ICSTIE08, 12~13 December 2008, UiTM Penang, Malaysia.

14. A New Design of A 2-Stroke Modular Engine for Multipurpose Usage With Lean Burn Capabilities

- Researcher
- 1 Jan 2004 – 31 Dec 2005
- RDU 03/02/09 (Research Grant – RM 90,000)
- 34th International Exhibition Inventions New Tech. 2006, Geneva – Bronze
- 16th International Invention Innovation Industrial Design & Tech. Exhibition (ITEX) 2005 – Bronze
- IPTA R&D EXPO 2005 – Silver
- Anugerah Projek Penyelidikan ke Dua Terbaik 2004, KUKTEM, 2004

15. Numerical Study on Fatigue of Spot Welded for Automotive Components

- Reasearcher
- 1 Sept 2007 – 31 August 2008
- RDU 070346 (Research Grant – RM 19,000)
- Conference Paper: M. M. Rahman, Rosli A. Bakar, M.M.Noor, **M.S.M. Sani** and Julie J. Mohamed, “Effects of spot diameter and sheets thickness on fatigue life of spot welded structure based on FEA approach”, *American Journal of Applied Sciences*, 6(1): 137-142, 2009. USA.
- Conference Paper: M. M. Rahman, Rosli, A.B., M.M.Noor, **M.S.M. Sani** and M.R.M. Rejab, “Fatigue Analysis of Spot-welded Joints using Finite Element Analysis Approach” Proceedings in the Regional Conference on Computational and Experimental Mechanics(CEM), Putrajaya, Palm Garden Hotel, Malaysia, 27-28 November, 2007, pp. 228-238.

16. Experimental Study on Fatigue of Spot Welded High Strength Steel Sheet for Automotive Components

- Researcher
- 1 Sept 2007 – 31 August 2008
- RDU 070347 (Research Grant – RM 19,000)
- Conference Paper: M.M.Rahman, Rosli A.Bakar, M.M.Noor, M.R.M.Rejab and **M.S.M. Sani**, “Fatigue Life Prediction of Spot-Welded Structures: A Finite Element Analysis Approach” *European Journal of Scientific Research*, Vol. 22 No. 3, pp. 444-456, 2008, UK

Professional Qualification / Membership / Affiliation / Experience

1. Graduate Engineer, Board of Engineer, Malaysia (BEM) (39473A).
2. Member, International Association of Engineers (IAENG) (65486)
3. Member, International SAE (6126281422)
4. Member, International Association for Computational Mechanics (IACM)
5. Member, Malaysian Association of Computational Mechanic. (MACM).
6. Member, IAENG Society of Artificial Intelligence (ISAI)
7. Member, IAENG Society of Industrial Engineering (ISIE)
8. Member, IAENG Society of Mechanical Engineering (ISME)

INSTRUCTIONAL TEACHING EVALUATION – EPAT

Session/ Semester	Category	Subject Code	Mark	Index
2014/2015 (1)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	92	4.6
2014/2015 (1)	LAB	BMM 3553 – MECHANICAL VIBRATION	90.67	4.53
2013/2014 (2)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	91.67	4.58

2013/2014 (2)	LAB	BMM 3553 – MECHANICAL VIBRATION	91.32	4.57
2013/2014 (1)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	84.27	4.21
2007/2008 (2)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	91	-
2007/2008 (1)	LECTURE	BMM 1523 – STATICS	87	-

Teaching Experience

Study Session	Institution / Name of Subject & Code of Subject	Period	Level	Total Contact Hours
2014/2015(1)	UMP / Mechanical Vibrations / BMM 3553/Section 1	1 Semester	Degree	3 Hours – Lecture 4 Hours - Lab
2013/2014(2)	UMP / Mechanical Vibrations / BMM 3553/Section 1 and 3	1 Semester	Degree	6 Hours – Lecture 8 Hours - Lab
2013/2014(1)	UMP / Mechanical Vibrations / BMM 3553/Section 1	1 Semester	Degree	3 Hours – Lecture 2 Hours - Lab
2012/2013(2)	UMP / Mechanical Vibrations / BMM 3553/ Section 2	1 Semester	Degree	3 Hours – Lecture 2 Hours - Lab
2008/2009(1)	UMP / Statics/ BMM 1532	1 Semester	Degree	6 Hours - Lecture
2007/2008(2)	UMP / Mechanical Vibrations / BMM 3553	1 Semester	Degree	9 Hours - Lecture
2007/2008(1)	UMP / Statics/ BMM 1532	1 Semester	Degree	6 Hours - Lecture
2006/2007(2)	KUKTEM / Mechanical Vibrations / BMM 3553	1 Semester	Degree	9 Hours - Lecture
2006/2007(1)	KUKTEM / Statics/ BMM 1532	1 Semester	Degree	6 Hours - Lecture 3 Hours - Tutorial
2005/2006(2)	KUKTEM/ Thermodynamics 1/ BMM 2513 UMP/Strength of Materials/ BMM 1553	1 Semester 1 Semester	Degree Degree	3 Hours - Lecture 1 Hour – Tutorial 2 Hours – Lab 3 Hours - Tutorial
2005/2006(1)	KUKTEM / Statics / BMM 1532	1 Semester	Degree	6 Hours - Lecture 3 Hours - Tutorial
2004/2005(2)	KUKTEM /Mechanical Vibrations / BMM 2633	1 Semester	Degree	3 Hours - Lecture 2 Hours – Tutorial

				2 Hours – Lab
2004/2005(1)	KUKTEM / Statics / BMM 1532	1 Semester	Degree	6 Hours - Lecture 4 Hours – Tutorial 2 Hours – Lab
2003/2004(2)	KUKTEM / Statics / BMM 1532	1 Semester	Degree	2 Hours - Lecture 1 Hour – Tutorial 2 Hours – Lab
	KUKTEM / Statics / DMM 1532	1 Semester	Diploma	2 Hours - Lecture 1 Hours – Tutorial 2 Hours – Lab
2003/2004(1)	KUKTEM / Physics / BMM 0213	1 Semester	Degree	2 Hours - Lecture 1 Hour – Tutorial 2 Hours – Lab
	KUKTEM / Statics / DMM 1532	1 Semester	Diploma	2 Hours - Lecture 1 Hour – Tutorial 2 Hours – Lab
2001 – 2002	UPM / Mekanik Gunaan / KMP 3503	3 Semester	Sajana Muda	2 Hours – Lab
2004-2008	Open University (OUM)			
September 2008	OUM/EDXS3103/ Strength of Materials	1 Semester	Diploma	2 Hours – Lecture
	OUM/EDXS3202/ Material Science	1 Semester	Diploma	2 Hours – Lecture
	OUM/EDMF 3103/ Fluid Mechanics	1 Semester	Diploma	2 Hours – Lecture
January 2008	OUM/EDXS2103/ Statics	1 Semester	Diploma	2 Hours – Lecture
	OUM/EBXS3103/Statics	1 Semester	Degree	2 Hours – Lecture
	OUM/EDXS3103/ Strength of Materials	1 Semester	Diploma	2 Hours – Lecture
September 2007	OUM/EDTM2103/Industrial Safety and Health	1 Semester	Diploma	2 Hours – Lecture
	OUM/EBXT2203/ Communication and Manufacturing Technology	1 Semester	Degree	2 Hours - Lecture
January 2007	OUM/EBXS3103/Statics	1 Semester	Degree	2 Hours – Lecture
	OUM/DXS2103/Statics	1 Semester	Diploma	2 Hours – Lecture
January	OUM/EBXT2203/	1 Semester	Degree	2 Hours – Lecture

2006	Communication and Manufacturing Technology			
	OUM/EBXS3103/Statics	1 Semester	Degree	2 Hours – Lecture
September 2005	OUM/ EBXT2203/ Communication and Manufacturing Technology	1 Semester	Degree	2 Hours – Lecture
	OUM/EBXS3103/Statics	1 Semester	Diploma	2 Hours – Lecture
January 2005	OUM/SBMA4303/Basic of Mechanics	1 Semester	Degree	2 Hours – Lecture
	OUM/ EBXT2203/ Communication and Manufacturing Technology	1 Semester	Degree	2 Hours – Lecture
	OUM/EBXT3103/Engineering Technology	1 Semester	Degree	2 Hours – Lecture
September 2004	OUM/EBMT3103/Mechanical Eng. Toolwork	1 Semester	Degree	2 Hours – Lecture
Jan 2004				
2001-2002	UPM/Mekanik Gunaan Kolej IKRAM/Manufacturing Technology	2 Semester	Degree	4 Hours – Lab
	Kolej EDI-Bina Usahawan/ Manufacturing Technology	1 Semester	Diploma	2 Hours – Lecture
		1 Semester	Diploma	2 Hours - Lecture
1999 – 2001	Kolej IKIP/ Program Francais IKIP- UTM/ DDJ 1203/Statics DDJ 2403/Thermo 1 DDJ 3213/ Machines DDJ 3803/ Ind. Eng. DDJ 3703/ Manufacturing Process	4 Semester	Diploma	3 Hours - Lecture 3 Hours - Lecture 3 Hours - Lecture 3 Hours - Lecture 3 Hours - Lecture

Post Graduate Supervision

Main-Supervision

1. Noor Amzura bt. Abdullah (MMA 14003) – Master's Degree - Oct 2014 to date
2. Siti Norazila bt. Zahari (MMA 15001) – Master's Degree - Feb 2015 to date

Degree / Final Year Supervision

No.	Academic Year	Name of Student	Student ID	Title of Project
1	2014-2015	Nur Syafenzatul Ain bt Mat Saad	MA11082	Investigation Dynamic Behaviour Investigation of Go-Cart Structure
2	2014-2015	Ahmad Ariff Ridhwan b. Zakaria	MA11102	Studies on Dynamics Properties of FSW Between AA6061 and AA7075
3	2014-2015	Muhammad Firdaus b. Sulaiman	MA11072	Investigation Dynamic Properties of Composite Structures
4	2014-2015	Muhd Amirul Farhan bin Arif Rahimi	MG11034	Noise Source Identification of Two Stroke Engine
5	2014-2015	Mohamad Syahir Bin Yunus	MA11112	Study of dynamic properties of I-Cross Section Plate Element
6	2013-2014	Muhammad Hafiz b. Esa	MA10122	Design and Fabrication of Auto Simulation Rig
7	2013-2014	Ahmad Tarmizy b. Abdul Rafa	MA10003	Condition Monitoring Based on Vibration Measurement
8	2013-2014	Mohd Hafiz Bin Hamzah	MA10079	FRF And FEA Modal Analysis of Gas-Glow Pipelines
9	2013-2014	Mohd Razman Hazuan	MA10084	ODS of Gas-Glow Pipelines for Different Valves Openings
10	2013-2014	Mohammad Fithri Emir b. Abdul Mutalib	MH10007	Vibration of Cantilever and Plate Structures
11	2013-2014	Muhamad Shukri Aimi b. Abdul Aziz	MA10039	Study on Identification of Structural Nonlinearities
12	2007- 2008	Mohamad Saufi b. Mohamad Zainury	MH05011	Modal Analysis for Engine Crankshaft
13	2007 -2008	Ab. Rahman b. Mohd. Nooh	MH05012	Noise Source Identification of Engine Dynamometer
14	2007- 2008	Muhamad Hanif b. Abd. Rasid	MA05025	Noise Source Identification of Split Unit Air Conditioner System
15	2007-2008	Mohamad Tarmizi b. Arbain	MH05013	Computational Stress and Modal Analysis of Car Chassis
16	2007-2008	Iskandar Izany b. Abd. Rahman	MH05063	Computational Stress and Modal Analysis of Automobile Tire
17	2007- 2008	Mohd. Sahril b. Mohd. Fouzi	MH05041	Modal Updating for Fun Kart Chassis
18	2007-2008	Mohd. Asqalani b. Naharudin	MH05058	Design and Simulation Automobile Active Suspension System
19	2006- 2007	Erlifi b. Husin	MH04031	Experimental Study of Heat Transfer inside the Shock Absorber Test Rig
20	2006- 2007	Mohd. Hafizi b. Nor Izham	MA04004	Experimental Modal Analysis Of Wira Car Chassis

21	2006-2007	Lim Wai Tuck	MD04024	Design and Fabrication UMP Mini Go-Kart Chassis
21	2006- 2007	Johari b. Mansor	MH04015	Preliminary Study on Stiffness and Damping Measurement of Shock Absorber
22	2006-2007	Nur Afiq b. Abu Bakar	MD04003	Industrial Vibration and Noise Analysis of Conventional Drilling Machine on Different Type Of Materials
23	2006-2007	Nurul Mubinah bt. Suhaimi	MG04010	Quality and Productivity Improvement in Small Medium Industries (SMI) Using Industrial Engineering Tools
24	2006- 2007	Nur Hairunnisa bt. Kamarudin	MG04004	Industrial Vibration and Noise Analysis of Conventional Turning Machine on Different Type Of Materials
25	2006- 2007	Hartini bt. Mustafa	MF04032	Improving Productivity & Efficiency of SMI
26	2006-2007	Anisha Syazzana bt. Ahmad Anuar	MG04008	Industrial Vibration and Noise Analysis of Conventional Milling Machine on Different Type Of Materials
27	2006- 2007	Mohd. Hazaruddin b. Muhammad	MA04021	Experimental Modal Analysis of Automobile Tire
28	2005- 2006	Nudi b. Nurba	MA03044	Experimental Modal Analysis on Fun Kart Chassis
29	2005- 2006	Mohd. Marzuki b. Zainudin	MA03026	Design and Development for Shock Absorber Test Rig Vibration Measurement System
30	2005-2006	Taj Nesha Begam Bt. Baisul Khan	MA03056	Improving Productivity And Efficiency of Assembly Line in a SMI Manufacturing Company
31	2005- 2006	Mohd Nazri Bin Ismail	MB04022	Design And Fabrication Of Bicycle Frame Structure
32	2005- 2006	Muhammad Hafizuddin b. Md. Said	MB04061	Design and Fabricate of Baby Cradle Structure
33	2004- 2005	Kamal Ariffin b. Mohamad	MB03007	Design and Fabrication of KUKTEM Go-Kart (Suspension and Steering: Rear Suspension System)
34	2004- 2004	Muhammad Asyraf Bin Roslan	MB03009	Design and Fabrication of KUKTEM Go-Kart (Suspension and Steering: Rear Suspension System)

List of Publications

A) International and National Journal

1. I. Zaman, M. M. Salleh, M. Ismon, B. Manshoor, A. Khalid, **M.S. M. Sani**, S. Araby, "Vibration Attenuation of Plate using Multiple Vibration Absorbers", Journal MATEC Web of Conference, Vol. 13, 03003. ISSN 2261-236X,pg 1-6, 2014. (**Scopus Indexing**)
2. I. Zaman, M. M. Salleh, M. Ismon, B. Manshoor, A. Khalid, **M.S. M. Sani**, S. Araby, "Study of Passive Vibration Absorbers attached on Beam Structure", Journal Applied Mechanics and Materials, Vol. 660, pg 511-515, 2014. (**Scopus Indexing**)
3. M. Kamal, M.M. Rahman dan **M.S.M.Sani**, "Fatigue Life Prediction Using Simplified Endurance Function Model", Advances in Mechanical Engineering, Volume 2013, Article ID:581754, <http://dx.doi.org/10.1155/2013/581754> (**IF: 1.062**)
4. M. Kamal, M.M. Rahman dan **M.S.M.Sani**, "Application of multibody simulation for fatigue life estimation", International Journal of Automotive and Mechanical Engineering (IJAME), Vol. 7(1), 2013. (**Scopus Indexing**)

5. **M.S.M.Sani**, M.M.Rahman, M.M.Noor, K.Kadirgama and M.H.N.Izham, "Identification of Dynamics Modal Parameter for Car Chassis", IOP Conf. Series: Materials Science and Engineering **17** (2011) 012038, doi:10.1088/1757-899X/17/1/012038. (**Scopus Indexing**)
6. K.Kadirgama, M.M.Noor, **M.S.M.Sani**, Abdullah Adnan Mohamed, Rosli A.Bakar, Abdullah Ibrahim, "The Effect of the Foundation Subject to the Final Year Subject", International Journal of Recent Trends in Engineering (Mechanical Engineering), 1(5): 172-175, ISSN: 1797-9617, 2009.
7. M.M.Rahman, K.Kadirgama, M.M.Noor, M.R.M.Rejab, **M.S.M.Sani**, S.A.Kesulai, "Fatigue Life Prediction of Lower Suspension Arm Using Strain-Life Approach", European Journal of Scientific Research, 30(3), 437-450, ISSN: 1450-216X, 2009. (**Scopus Indexing**)
8. M.M.Rahman, A.B. Rosli, M.M. Noor, **M.S.M.Sani**, J.M.Julie, "Effects of Spot Diameter and Sheets Thickness on Fatigue Life of Spot Welded Structure based on FEA Approach", American Journal of Applied Sciences, 6(1): 137-142, ISSN: 1546-9239, 2009. (**Scopus Indexing**)
9. **M.S.M.Sani** & N.Nurba, "Application of Dynamics Modal Testing Fun Kart Chassis", Jurnal Kejuruteraan dan Teknologi Komputer, pg 1-11, Vol. 1, Series 1 June 2008, ISSN 1985-5176, Universiti Malaysia Pahang.
10. **M.S.M.Sani** & M.M.Zainudin, "Dynamic Measurement System for Interchangeable Shock Absorber Test Rig", Jurnal Kejuruteraan dan Teknologi Komputer, pg 67-74, Vol. 1, Series 1 June 2008, ISSN 1985-5176, Universiti Malaysia Pahang.
11. M.M.Rahman, Rosli A. Bakar, M.M.Noor, M. R. M. Rejab and **M. S. M. Sani**," Fatigue Life Prediction of Spot Welded Structures: A Finite Element Analysis Approach", European Journal of Scientific Research, 22(3), 444-456, 2008, ISSN 1450-216X.
12. M.M.Rahman, A.B. Rosli, M.M. Noor, **M.S.M. Sani**, J.M. Julie, "Effects of Spot Diameter and Sheets Thickness on Fatigue Life of Spot Welded Structure based on FEA Approach", American Journal of Applied Sciences 6(1): 137-142, ISSN 1546-9239, 2009.

B) International and National Conference Papers

1. I. Zaman, M. M. Salleh, M. Ismon, B. Manshoor, A. Khalid, **M.S. M. Sani**, S. Araby, "Study of Passive Vibration Absorbers attached on Beam Structure", 5th International Conference on Mechanical and Manufacturing Engineering (ICME2014), 29 – 30 Oct., Bandung, Indonesia, 2014.
2. **M.S.M. Sani**, M.M. Rahman, M.Z. Bahrom and I. Zaman, "Sound Intensity Mapping of Engine Dynamometer", 1st International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2014), 26-27 August, Pahang, Malaysia, 2014.
3. I. Zaman, M. M. Salleh, M. Ismon, B. Manshoor, A. Khalid, **M.S. M. Sani**, S. Araby, "Vibration Attenuation of Plate using Multiple Vibration Absorbers", 4th International Conference on Production, Energy and Reliability (ICPER 2014), 3 – 5 June, Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia, 2014.
4. **M.S.M. Sani**, H. Ouyang, J.E. Cooper and C.K.E.N.C.K. Husin. "Smart Methodology of Stiffness Nonlinearity Identification Vibration System", 2nd International Conference on Mechanical Engineering Research 2013 (ICMER 2013), 1-3 July 2013, Bukit Gambang Resort, Gambang, Pahang Malaysia.
5. K.Kadirgama, M.M.Noor, M.M.Rahman, **M.S.M.Sani**, Khaled Abou- El-Hosseini, "Optimized Tool life by Partial Swarm" Optimization, The 13th International ESAFORM Conference on Material Forming, 7-9 April, University of Brescia, Brescia, Italy, 2010.
6. M.Y.Taib, **M.S.M.Sani**, M.M.Noor, K.Kadirgama, "Performance Analysis of a Domestic Refrigerator in Malaysia using Experimental Method", International Conference on Recent and Emerging Advanced Technologies in Engineering 2009 (iCREATE 2009), 23~24 Nov, Pan Pacific Hotel, Kuala Lumpur International Airport, Malaysia. 2009.
7. **M.S.M.Sani**, M.M.Noor, K.Kadirgama, M.M.Rahman, M.R.M.Rejab, M.H.N.Izham, "Identification of Dynamics Modal Parameter of Car Chassis Structure", International Advance Technology Conference (ATCi 2009),

Conference on Spatial and Computational Engineering (SPACE 2009), 3~5 Nov, Putra World Trade Centre (PWTC), Kuala Lumpur, Malaysia, 2009.

8. K.Kadirgama, M.M.Noor, Z.Ghazalli, M.M.Rahman, **M.S.M.Sani**, M.R.M.Rejab, "Software Development of Assembly Sequence Approach by using Integrated TRIZ, Axiomatic Design and Boothroyd-Dewhurst DFA", International Conference on Software Engineering and Computer Systems (ICSECS '09), 19~21Oct, Swiss Garden Resort, Kuantan, 2009.
9. **M.S.M.Sani**, M.R.M.Rejab, M.M.Noor, K.Kadirgama, M.M.Rahman, I.I.A.Rahman, "Study on Stress and Modal Analysis of Automobile Tyre", International Conference on Applications and Design in Mechanical Engineering (ICADME'09), 11-13 Oct, Universiti Malaysia Perlis, Kangar, Malaysia, 2009.
10. M.R.M.Rejab, K.Kadirgama, M.M.Noor, M.M.Rahman, **M.S.M.Sani**, A.Alias, "Development of Compressive-Shear Test Rig for Polymeric Foam Material Behaviours", International Conference on Applications and Design in Mechanical Engineering (ICADME'09), 11-13 Oct, Universiti Malaysia Perlis, Kangar, Malaysia, 2009.
11. **M.S.M.Sani**, M.H.A.Rasid, M.R.M.Rejab, M.M.Noor, K.Kadirgama, M.M.Rahman, "Experimental Study on Noise Source Identification of Split Unit Air Conditioner System" International Conference on Advance Mechanical Engineering (ICAME09), 24~25Jun, Concorde Hotel, Shah Alam, Selangor, ISBN: 978-967-305-355-1, 2009.
12. **M.S.M.Sani**, M.M.Noor, K.Kadirgama, M.T.Arbain, G.L.Ming, M.H.Zohari, C.K.E Nizwan, T.T.Mon, "Stress Analysis and Modal Transient Response of Car Chassis" International Conference on Advance Mechanical Engineering (ICAME09), 24~25Jun, Concorde Hotel, Shah Alam, Selangor, ISBN: 978-967-305-355-1, 2009.
13. K.Kadirgama, M.M.Noor, M.R.M.Rejab, M.M.Rahman, **M.S.M.Sani**, T.T.Mon, "The Effect of End Milling Parameters on Surface Roughness when Machining Corrosion Resistance Alloy", International Conference on Advance Mechanical Engineering (ICAME09), 24~25Jun, Concorde Hotel, Shah Alam, Selangor, ISBN: 978-967-305-355-1, 2009.
14. M.M.Noor, T.T.Mon, K.Kadirgama, M.R.M.Rejab, **M.S.M.Sani**, R.Rafizuan, W.A.W.Yusof, "Drilling on Fibre-Glass Composite Using CO2 Laser", International Conference on Advance Mechanical Engineering (ICAME09), 24~25Jun, Concorde Hotel, Shah Alam, Selangor, ISBN: 978-967-305-355-1, 2009.
15. M.R.M.Rejab, K.Kadirgama, M.M.Noor, **M.S.M.Sani**, M.M.Rahman, A.Alias, "Composite Sandwich Panel Assessment under Static Loading", International Conference on Advance Mechanical Engineering (ICAME09), 24~25Jun, Concorde Hotel, Shah Alam, Selangor, ISBN: 978-967-305-355-1, 2009.
16. M.M.Rahman, S.A.Kesulai, M.R.M.Rejab, **M.S.M.Sani**, K.Kadirgama, M.M.Noor, "Fatigue Life Prediction of Lower Suspension Arm Using Strain-Life Approach", International Conference on Advance Mechanical Engineering (ICAME09), 24~25Jun, Concorde Hotel, Shah Alam, Selangor, ISBN: 978-967-305-355-1, 2009.
17. R.Daud, M.M.Noor, M.A.Hassan, S.H.Tomadi, M.R.M.Rejab, M.A.Muhamad, K.Kadirgama, **M.S.M.Sani**, "Optimization Drilling Process of Glass Fiber Reinforced Plastics", International Conference on Advance Mechanical Engineering (ICAME09), 24~25Jun, Concorde Hotel, Shah Alam, Selangor, ISBN: 978-967-305-355-1, 2009.
18. **M.S.M.Sani**, M.M.Noor, K.Kadirgama, M.M.Rahman, A.Senawi, M.R.M.Rejab, M.Y.Taib, Abdullah Ibrahim, "Exit Surveys Assessment of Bachelor Mechanical Engineering Programs at Universiti Malaysia Pahang", Malaysian Technical Universities Conference and Exhibition on Engineering and Technology (MUCEET09), 20~22 Jun, Ms Garden Hotel, Kuantan, Malaysia, Vol.2, 592-600, ISBN: 978-967-5060-59-3, 2009.
19. M.M.Noor, K.Kadirgama, M.R.M.Rejab, M.M.Rahman, **M.S.M.Sani**, M.Y.Taib, Abdullah Ibrahim, Rosli A.Bakar, "The Effect of Entry Qualification to the Student Performance", Malaysian Technical Universities Conference and Exhibition on Engineering and Technology (MUCEET09), 20~22 Jun, Ms Garden Hotel, Kuantan, Malaysia, Vol.2, 577-582, ISBN: 978-967-5060-59-3, 2009.
20. K.Kadirgama, M.M.Noor, **M.S.M.Sani**, M.M.Rahman, M.R.M.Rejab, M.Y.Taib, A.Sulaiman, Abdullah Ibrahim, Rosli A.Bakar, "Student Performance Analysis using Artificial Intelligent Technique", Malaysian Technical Universities Conference and Exhibition on Engineering and Technology (MUCEET09), 20~22 Jun, Ms Garden Hotel, Kuantan, Malaysia, Vol.2, 601-605, ISBN: 978-967-5060-59-3, 2009.
21. M.M.Noor, M.A.Omar, I.Subuki, K.Kadirgama, **M.S.M.Sani**, M.M.Rahman, Z.Hamedon, "Effect of Palm Stearin Content on the Properties of Injection Moulded 316L Stainless Steel Powder", Malaysian Technical

Universities Conference and Exhibition on Engineering and Technology (MUCEET09), 20~22 Jun, Ms Garden Hotel, Kuantan, Malaysia, Vol.1, 243-246, ISBN: 978-967-5060-59-3, 2009.

22. **M.S.M.Sani**, M.M.Noor, M.S.M.Zainury, M.R.M.Rejab, K.Kadirgama, M.M.Rahman, "Investigation on Modal Transient Response Analysis of Engine Crankshaft Structure", 11th International Conference on Optimum Design of Structures and Materials in Engineering (OPTI09), 8-10 June, Algarve, Portugal, WIT Transactions on The Built Environment, WIT Press, ISSN 1743-3509, Vol. 106, 276-285, 2009. (**Scopus Indexing**)
23. M.M.Noor, K.Kadirgama, M.M.Rahman, M.R.M.Rejab, **M.S.M.Sani**, T.T.Mon, Rosli A.Bakar, "Laser Machining Of Acrylic Sheet for Industrial Jigs Application", 11th International Conference on Optimum Design of Structures and Materials in Engineering (OPTI09), 8-10 June, Algarve, Portugal, WIT Transactions on The Built Environment, WIT Press, ISSN 1743-3509, Vol. 106, 256-264, 2009. (**Scopus Indexing**)
24. K.Kadirgama, M.M.Noor, M.M.Rahman, **M.S.M.Sani**, M.R.M.Rejab, Rosli A.Bakar, K.A. Abou-El-Hossein, "Prediction Modelling of Power and Torque in End-Milling", 11th International Conference on Optimum Design of Structures and Materials in Engineering (OPTI09), 8-10 June, Algarve, Portugal, WIT Transactions on The Built Environment, WIT Press, ISSN 1743-3509, Vol. 106, 265-275, 2009. (**Scopus Indexing**)
25. M.R.M.Rejab, **M.S.M.Sani**, M.M.Noor, K.Kadirgama, M.M.Rahman, A.Alias, "Mechanical Behaviour of Polymeric Foam Core at Various Orientation Angles", 11th International Conference on Optimum Design of Structures and Materials in Engineering (OPTI09), 8-10 June, Algarve, Portugal, WIT Transactions on The Built Environment, WIT Press, ISSN 1743-3509, Vol. 106, 246-255, 2009. (**Scopus Indexing**)
26. **M.S.M.Sani**, A.Senawi, M.M.Noor, M.M.Rahman, M.Y.Taib, A.Sulaiman, K.Kadirgama, S.H.Tomadi, R.Daud, M.R.M.Rejab, "Quantitative Assessment of Bachelor Mechanical Engineering Programs by Senior Exit Surveys at Universiti Malaysia Pahang", International Engineering Education Conference (IEEC09), 16~18 May, Madinah, Kingdom of Saudi Arabia, , ISBN 978-983-43571-4-6, 177~185, 2009.
27. K.Kadirgama, M.M.Noor, M.R.M.Rejab, **M.S.M.Sani**, T.T.Mon, Julie J.Mohamed "Wear and Tool Life Characteristics when Machining Aerospace Materials" The 1st AUN/SEED-Net Regional Conference on Materials 2009 (RCM09), 16~17 February, Equatorial Hotel Penang, Malaysia, 2009.
28. M.M.Noor, K.Kadirgama, M.M.Rahman, M.Y.Taib, M.R.M.Rejab, **M.S.M.Sani**, A.Sulaiman, Abdullah Ibrahim, Rosli A.Bakar, "The Effect of Entry Qualifications and Gender towards Student Performance", International Engineering Education Conference (IEEC09), 16~18 May, Madinah, Kingdom of Saudi Arabia, , ISBN 978-983-43571-4-6, 131~136, 2009.
29. K.Kadirgama, M.M.Noor, **M.S.M.Sani**, M.M.Rahman, M.R.M.Rejab, M.Y.Taib, A.Sulaiman, Abdullah Ibrahim, Rosli A.Bakar, "Development of Genetic Algorithms and Multilayer Perceptron Neural Network (MPNN) Model to Study the Student Performance in Thermodynamics", International Engineering Education Conference (IEEC09), 16~18 May, Madinah, Kingdom of Saudi Arabia, ISBN 978-983-43571-4-6, 137~142, 2009.
30. K.Kadirgama, M.M.Noor, **M.S.M.Sani**, Abdullah Adnan Mohamed, Rosli A.Bakar, Abdullah Ibrahim, "The Effect of the Foundation Subject to the Final Year Subject", International Journal Conference in Recent Trends in Mechanical Engineering, (IJCRTME09), 24~26 Apr, Trivandrum, Kerala, India. 2009.
31. **M.S.M.Sani**, G.L.Ming, M.M.Rahman, A.Sulaiman, T.T.Mon, K.Kadirgama, M.M.Noor, "Dynamic Correlation Technique and Model Updating on Go Kart Chassis Structure" 2nd Regional Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18-19 December 2008, Crowne Plaza Riverside Hotel, Kuching, Sarawak, Malaysia.
32. **M.S.M.Sani**, M.M. Rahman, M.M.Noor, K.Kadirgama, M.R.M.Rejab, "Study on Dynamic Characteristics of Automotive Shock Absorber System", Proceeding in Malaysian Science and Technology Congress, MSTC08, 16~17 Dec 2008, KLCC, Malaysia.
33. **M.S.M.Sani**, L.W.Tuck, G.L. Ming, M.Y.Taib and M.N.O.Zahid "Investigation of Strength and Flexibility of UMP Go-Kart Chassis Design", Proceeding in Malaysian Science and Technology Congress, MSTC08, 16~17 Dec 2008, KLCC, Malaysia.
34. **M.S M. Sani**, E. Husin, M. M. Noor, "Experimental Heat Transfer Study on the Shock Absorber Operation" International Conference on Science and Technology, Applications in Industry and Education, ICSTIE08, 12~13 December 2008, UiTM Penang, Malaysia.

35. **M.S.M.Sani**, M.M.Noor, A.Senawi, A. Sulaiman, M.R.M.Rejab, "Assessment of the Mechanical Engineering Programs by Exit Surveys at University Malaysia Pahang", 4th. International Conference on University Learning and Teaching (InCULT08), Concorde Hotel, Shah Alam, 20-21 October 2008, 317~322.
36. **M.S.M.Sani** and M.H.N.Izham, "Investigation Modal Parameter on Chassis Structure", 7th UMT International Symposium on Sustainability Science and Management (UMTAS) 8-10 June, 2008. ISBN 978-983-2888-72-7.
37. **M.S.M.Sani**, M.F.F. Ab. Rashid and T.N.B.B. Khan, Improving Productivity and Efficiency of Assembly Line In a Small Medium Industry (SMI) Manufacturing Company Using WITNESS Simulation, National Seminar on Science, Technology & Social Sciences 2008 (STSS 2008), 3rd-4th June 2008, Pahang, Malaysia. ISBN 978-983-2607-17-5.
38. **M.S. M. Sani** & N. Nurba, *Dynamics Modal Testing on Fun Kart Chassis*, International Conference on Engineering Technology (ICET 2007), 11-13 Dec 2007, Kuala Lumpur
39. **M.S.M. Sani** & N. Nurba, *Design and Development for Interchangeable Shock Absorber Test Rig Dynamic Measurement System*, Regional Conference Advance in Noise, Vibration and Comfort (NVC 2007), 27-28 Nov 2007, Putrajaya
40. **M. S. M. Sani** ,R.A. Bakar & N.Nurba, *Experimental Modal Analysis On Fun Kart Chassis*, 8th International Conference on Vibration Problems: Shibpur, India. January 30-February 3, 2007
41. M.M.Noor, A. Sulaiman, K.Kadirgama, M.R.M.Rejab, **M.S.M. Sani**, F.R.M. Romlay, R. Daud, Z. Ghazalli, R. Devarajan, M.F. Ghazalli, W.S.W. Harun, M.Y. Taib, "Finite Element Analysis for Corrosion at Crane Steel (AISI 1015) Structure Main Cord and Lattices", 2nd Regional Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18-19 December 2008, Crowne Plaza Riverside Hotel, Kuching, Sarawak, Malaysia.
42. K.Kadirgama, M.M.Noor, M.M.Rahman, M.R.M.Rejab, **M.S.M.Sani**, N.M.Zuki.N.M, Rosli A. Bakar, "Prediction Modelling of Torque in End-Milling", 2nd Regional Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18-19 December 2008, Crowne Plaza Riverside Hotel, Kuching, Sarawak, Malaysia.
43. G.L.Ming, **M.S.M.Sani**, Rosli A. Bakar, U.Yunos, K.M.Jelani and A.F.R. Ramli, "Experimental And Computational Fluid Dynamics Analysis Of 100cc Single Cylinder Petrol Engine Intake Air Flow " 2nd Regional Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18-19 December 2008, Crowne Plaza Riverside Hotel, Kuching, Sarawak, Malaysia.
44. M.M.Noor, K.Kadirgama, M.M.Rahman, **M.S.M.Sani**, M.R.M.Rejab, "Development of Auto Car Jack Using Internal Car 12 volts Power", Proceeding in Malaysian Science and Technology Congress, MSTC08, 16~17 Dec 2008, KLCC, Malaysia.
45. K.Kadirgama, M.M.Noor, N.M.Zuki N.M., M.R.M.Rejab, **M.S.M.Sani**, M.M.Rahman, "Design a New Concept of Household Recycle Trash Bin", Proceeding in Malaysian Science and Technology Congress, MSTC08, 16~17 Dec 2008, KLCC, Malaysia.
46. M.M.Rahman, M.M.Noor, M.R.M.Rejab, **M.S.M.Sani**, K.Kadirgama, "Influence of Air Fuel Ratio on Engine Performance of Direct Injection Hydrogen Fuelled Engine", Proceeding in Malaysian Science and Technology Congress, MSTC08, 16~17 Dec 2008, KLCC, Malaysia.
47. Gan Leong Ming, **Mohd. Shahrir Bin Mohd. Sani**, Rosli Bin Abu Bakar, Muhammad Asyraf Bin Roslan, Muhammad Jamil Bin Zakaria."Development of 10cc Volumetric Displacement Four Stroke Petrol Model Engine", Proceeding in Malaysian Science and Technology Congress, MSTC08, 16~17 Dec 2008, KLCC, Malaysia.
48. M.R.M.Rejab, M.M.Rahman, Z.Hamedon, **M.S.M.Sani**, M.M.Noor, K.Kadirgama, "An Evaluation of Profiles for Disk Cams with In-line Roller Followers in Horizontal Position", Proceeding in Malaysian Science and Technology Congress, MSTC08, 16~17 Dec 2008, KLCC, Malaysia.
49. K.Kadirgama, M.M.Noor, R.Daud, M.R.M.Rejab, **M.S.M.Sani**, Z.Ghazalli, Z.Hamedon "Development of New Genetic Algorithm Software for Blow Mould Process", Proceeding in Malaysian Science and Technology Congress, MSTC08, 16~17 Dec 2008, KLCC, Malaysia.

50. M.M.Noor, K.Kadirgama, Devarajan R., **M.S.M.Sani**, T.F.Yusaf, "CFD Simulation and Validation of the In-Cylinder within a Motored Two Stroke SI Engine", International Conference on Science and Technology, Applications in Industry and Education, ICSTIE08, 12~13 December 2008, UiTM Penang, Malaysia.
51. Gan Leong Ming, **Mohd. Shahrir Bin Mohd. Sani**, Rosli Bin Abu Bakar, Mohd. Fazli Bin Ismail "Development Of Alternate Hybrid Electric Vehicle (A-Hev) : Main Chassis Construction And Body Design" International Conference on Science and Technology, Applications in Industry and Education, ICSTIE08, 12~13 December 2008, UiTM Penang, Malaysia.
52. Thet Thet Mon, Rosdi Daud, Fazli Ismail, **Mohd Shahrir Mohd Sani**, " Dedicated Fixture Design for Polishing of Silicon using Finite Element Method" International Conference on Science and Technology, Applications in Industry and Education, ICSTIE08, 12~13 December 2008, UiTM Penang, Malaysia.
53. M.R.M.Rejab, K.Kadirgama, M.M.Noor, **M.S.M.Sani**, "Modification and Testing of Four Axes Filament Winding Machine", International Conference on Science and Technology, Applications in Industry and Education, ICSTIE08, 12~13 December 2008, UiTM Penang, Malaysia.
54. M.M.Noor, K.Kadirgama, M.R.M.Rejab, **M.S.M.Sani**, A. Sulaiman, M.M.Rahman, A.N.M.Rose, R.A.Bakar, Abdullah Ibrahim "Quality Management System in the Implementation of OBE at Faculty of Mechanical Engineering, Universiti Malaysia Pahang", 4th. International Conference on University Learning and Teaching (InCULT08), Concorde Hotel, Shah Alam, 20-21 October 2008, 277~285.
55. K.Kadirgama, M.M.Noor, M.R.M.Rejab, A.N.M.Rose, N.M. Zuki N.M., **M.S.M.Sani**, A.Sulaiman, R.A.Bakar, Abdullah Ibrahim, "Importance of the Pre-Requisite Subject", 4th. International Conference on University Learning and Teaching (InCULT08), Concorde Hotel, Shah Alam, 20-21 October 2008, 168~172.
56. M.R.M.Rejab, M.M.Noor, M.M.Rahman, A.Sulaiman, K.Kadirgama, **M.S.M.Sani**, A.N.M.Rose, M.N.O.Zahid, R.A.Bakar, "Implementation of Outcome-Based Education in the Faculty of Mechanical Engineering, Universiti Malaysia Pahang: An Experience", 4th. International Conference on University Learning and Teaching (InCULT08), Concorde Hotel, Shah Alam, 20-21 October 2008, 311~316.
57. Thet T. Mon, **M.S.M. Sani**, Rosli A. Baker, N.M.Z.N. Mohamed, "Design Analysis of Silicon Cantilever for Label-less Sensing using Finite Element Method", IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications, 12-15 October 2008, Beijing, China. ISBN: 978-1-4244-2366-2.
58. M.M.Rahman, Rosli A. Bakar, **M.S.M.Sani**, M.M.Noor, "Investigation into Surface Treatment on Fatigue Life for Cylinder Block of Linear Engine using Frequency Response Approach" 15th International Congress on Sound and Vibrations, 6-10 July, 2008, South Korea.
59. M.M.Rahman, Rosli A.Bakar, M.M.Noor, **M.S.M.Sani** and Julie J. Mohamed, "Effects of spot diameter and sheets thickness on fatigue life of spot welded structure based on FEA" International Conference on Mechanical and Manufacturing Engineering (ICME 2008), 21- 23 May, 2008, Johor Baharu, Malaysia, pp.1-8.
60. M. M. Rahman, A. K. Ariffin, S. Abdullah, Rosli A. B. and **M. S. M. Sani**, "Assessment of Multiaxial Fatigue Behaviour of Cylinder Head for a New Free Piston Linear Engine" Proceedings of the International Conference on Mechanical Engineering 2007, (ICME2007) 29- 31 December 2007, Dhaka, Bangladesh.
61. M. M. Rahman, Rosli A. B., M. M. Noor, **M.S.M.Sani** & M. R. M. Rejab, "Fatigue Analysis of Spot-Welded Joints Using Finite Element Analysis Approach" Regional Conference Advance in Computational Experimental Mechanics (CEM 2007), 27-28 Nov 2007, Putrajaya
62. F.R.M. Romlay & **M.S.M.Sani**, *Model Modification of WIRA Centre Member Bar*, Regional Conference on Vehicle Engineering and Technology (RIVET), July 2006, Kuala Lumpur.

List of Books

Nil

List of Consultancy

1. Consultation for Pengkalan Offshore Sdn Bhd. The Effect of different quenching rate on the steel microstructure and strength. Vot No. UIC080102. Nov ~ Dec 2008. (completed).

2. Industrial Technical Service, Pallet Testing, for Global Green Pack Sdn Bhd. Vot No: UIC080272. Status: Pending.
3. Consultation for Petronas: The Provision of Fitness for Service through Finite Element Analysis for V-5425 Flare Scrubber, thru UIE-Solution Sdn Bhd, RM9,900, Vot No. UIC080102, Nov'08. Project Leader and Main Researcher, Nov 2008, (Completed).
4. Consultation for Petronas Carigali Angsi-B Crane B-7020 Structural Analysis. Project Manager and Main Researcher, thru RIA-Solution Sdn Bhd, RM12,000, Vot No. UIC080102, Petronas Carigali Sdn. Bhd. thru RIA Solution Sdn. Bhd. Apr ~ Aug 2008. (Completed)

Awards / Research / Achievements

1. Silver Award – Title: Design and Development of Alternate Electric and Series Hybrid Buggy (A-HEV). 19th International Invention, Innovation, Industrial Design & Technology Exhibition (ITEX08), KLCC Kuala Lumpur, 9th – 11th May 2008.
2. Bronze Award – Title: Design and Development of Blow Mould using Machining Optimization Parameters. 19th International Invention, Innovation, Industrial Design & Technology Exhibition (ITEX08), KLCC Kuala Lumpur, 9th – 11th May 2008.
3. Bronze Award – Title: Design and Development for Interchangeable Shock Absorber Test Rig Dynamic Measurement System. 18th International Invention, Innovation, Industrial Design & Technology Exhibition (ITEX07), KLCC Kuala Lumpur, 18th – 20th May 2007.
4. Bronze Award – Title: Design and Development for Interchangeable Shock Absorber Test Rig Dynamic Measurement System. 6th Invention & Innovation Competition, Malaysia Technology Expo 2007 (MTE 2007) PWTC Kuala Lumpur, 29th – 31st March 2007.
5. Silver Award – Title: Hybrid Electric Vehicle Development. Anugerah Penyelidikan Terbaik 2007, Hari Kualiti UMP.
6. Bronze Award – Title: Development of In Campus Vehicle (IV) for UMP Application . Anugerah Penyelidikan Terbaik 2007, Hari Kualiti UMP.
7. Bronze Award – Title: A New Design of A 2-Stroke Modular Engine for Multipurpose Usage With Lean Burn Capabilities. 34th International Exhibition Inventions New Tech. 2006, Geneva Switzerland. 29th March – 2nd April 2006.
8. Bronze Award – Title: A New Design of A 2-Stroke Modular Engine for Multipurpose Usage With Lean Burn Capabilities. 16th International Invention, Innovation, Industrial Design & Technology Exhibition (ITEX05), PWTC Kuala Lumpur, 19th – 21st May 2005.
9. Silver Award – Title: A New Design of A 2-Stroke Modular Engine for Multipurpose Usage With Lean Burn Capabilities. IPTA R&D EXPO 2005 , PWTC Kuala Lumpur, 18th – 20th May 2007.
10. Silver Award – Title: A New Design of A 2-Stroke Modular Engine for Multipurpose Usage With Lean Burn Capabilities. . Anugerah Penyelidikan Terbaik 2004, Hari Kualiti KUKTEM.

Patents

Nil

List of Course / Conference Attended

Date	Program	Status
9 May 2014	Bengkel Route to PE II	Participant
30 Apr 2014	E-AQMS Training	Participant

15 Apr 2014	Roadshow Taklimat Permohonan Skim Geran Program Pemindahan Ilmu (KTP) Rolling Ke 4 Fasa 2 - UMP	Participant
11 Apr 2014	Bengkel Route to PE I - UMP	Participant
10 Apr 2014	Awareness of OBE & EAC - UMP	Participant
27 Nov 2013	Majlis Syarahan Umum Profesor 2013, FKP (Industry Centre Of Excellence) - UMP	Participant
27 Aug 2013	Training on New E-Learning System (Edmodo) - UMP	Participant
20~21 Aug 2013	Bengkel Akademik – SWISS Garden Kuantan	Participant
20~21 Aug 2013	Workshop on Paper Writing for Publication in High Impact Journals – MS Garden Kuantan	Participant
30~31 July 2013	Bengkel Pemurnian Teaching Plan Fakulti Kejuruteraan Mekanikal – DPM UMP	Participant
23 July 2013	Knowledge Sharing Seminar: How to Conduct the Consultancy Project- 5 Years Consultancy Experiences In Oil & Gas Field Company	Participant
19~20 July 2013	Bengkel Pembentangan dan Penilaian Kertas Kerja Penyelidikan Siri I /2013 FRGS - UMP	Participant
1~3 July 2013	International Conference on Mechanical Engineering Research (ICMER 2013), Bukit Gambang Resort	Presenter & Session Chairman
10~12 May 2013	Bengkel Semakan Pelan Strategik AEC UMP – Residence Paka	Participant
9~10 Apr 2013	Signal Analysis Course – DPM,FKM, UMP	Participant
22~23 Dec 2008	Training on Converting Thesis into a Book: UMP	Participant
18~20 Dec 2008	2 nd Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON 08), 18-19 December Crowne Plaza Riverside Hotel, Kuching, Sarawak, Malaysia, 2008.	Presenter & Session Chairman
16~17 Dec 2008	Malaysian Science and Technology Congress, MSTC08, 16~17 Dec, KLCC, Malaysia, 2008.	Presenter
12~13 Dec 2008	2 nd International Conference on Science and Technology, Applications in Industry and Education, ICSTIE08, 12~13 December, UiTM Penang.	Presenter
4~5 Dec 2008	FKM APEX15: Strategic Planning and SKT, Hotel Legend, Cherating.	Participant
1~3 Dec 2008	FKM OBE Workshop: Curriculum Transformation and Teaching Plan Review, Selesa Hillhomes, Bukit Tinggi.	Facilitator
23~26 Nov 2008	Fasilitator Bengkel Pembinaan Kurikulum Program Kejuruteraan Matrikulasi – Hotel Casuarina Ipoh	Participant

20~21 Oct 2008	4 th International Conference on University Learning and Teaching (InCULT08), Concorde Hotel, Shah Alam.	Presenter
15-20 Oct 2008	Kursus Kenegaraan BTN Master PhD – Ulu Sepri Rembau	Participant
21~23 Aug 2008	UMP 3 rd Convocation's Exhibitions: <ul style="list-style-type: none"> • Machining Optimization Parameters (RSM) and Genetic Algorithms (GA) application for Blow Mould Development • Design and Development of Alternate Electric and Series Hybrid Buggy (A-HEV) 	Exhibitor
16 Aug 2008	Bloom Taxonomy and OBE CQI Workshop. UMP	Fasilitator & Participant
8 July 2008	Vibration Measuring System and Calibration – Hotel Armada	Participant
2 July 2008	Seminar on Intelligent Property by PINTAS, CENFED Training Room, UMP	Participant
9~11 Jun 2008	FKM Continuous Quality Improvement(CQI) in OBE Training by Prof. Ir. Dr. Riza UKM, and EAC Task Force Meeting, De Rhu, Balok, Kuantan.	Participant
8~9 Jun 2008	7 th UMT International Symposium on Sustainability Science and Management (UMTAS) 2008, UMT, Primula Beach Hotel, Kuala Terengganu.	Presenter
3~4 June 2008	4 th National Science, Technology & Social Sciences 2008, MS Garden, Kuantan	Presenter
27 May 08	Seminar Kesedaran Undang-undang 2008, Conference Room, UMP	Participant
9~11 May 2008	19 th International Invention, Innovation, Industrial Design & Technology Exhibition (ITEX08), PWTC Kuala Lumpur – Silver & Bronze Medal Award.	Exhibitor
22 Apr 2008	Training on ALGOR finite element software application, UMP.	Participant
16 Apr 2008	Seminar on “Celulose Technology”	Participant
26 Mar 2008	Malaysia Quality Framework Training – Dr Rosilini, MQA, PBMSK Mini Theater room.	Participant
29 Feb~2 Mar 2008	FKM Outcome Base Education Training, Holiday Villa, Cherating.	Chairman / Participant
20~21 Feb 2008	Bengkel MTUN (Program Teknologi) – KI	Participant
12~13 Feb 2008	Vibration Equipment Training	Participant
19 – 20 Jan 08	Workshop for Preparation of Self Assessment Report BMA & BMF, Legend Hotel, Kuala Lumpur	Participant
12~13 Jan 2008	Bengkel Pengukuhan Akademik FKM Sem 2 0708	Participant
11~13 Dec 2007	International Conference on Technology (ICET 2007) – KL – Anjuran UNIKL	Presenter
27~28 Nov 2007	Regional Conference in Advance Noise, Vibration and Comfort (NVC2007) - Putrajaya	Presenter
19~21 Nov 2007	Training on Outcome Based Education. approach: Monitoring and Assessment, by MQA, KPT & CTL UTM. – Equatorial Hotel KL.	Participant

2~8 Sept 2007	Kursus Kaedah Penyelidikan – Prof. Dr. Ahmad Fauzi Ismail	Participant
20~22 Aug 2007	Bengkel Pemahaman Standard dan JuruAudit Dalaman ISO 9001:2000	Participant
10 Jul 2007	Research Grant, Science Fund Workshop, Proposal Writing Workshop, Prof. Dr. Nor Aripin – Hyatt Regency, Kuantan.	Participant
5~6 Jul 2007	Outcome Base Education Training, Sg Tembling Resort, Kuantan.	Participant
17~21 May 2007	International Tech. Exhibition (ITEX2007)- Anjuran MINDS	Exhibitor
11~13 May 2007	Bengkel Pengurusan Senat UMP Sesi 2	Participant
3 May 2007	Engineering Education Conference 2007– ASDC UMP	Participant
25~30 Apr 2007	Pameran Harta Intelek Malaysia 2007 - KLCC	Exhibitor
17 Apr 2007	Seminar Automotive – Anjuran Automotive Center UMP	Participant
13~15 Apr 2007	Bengkel Penubuhan Fak. Kej. Pembuatan – Awana Kijal	Facilitator
8~10 Apr 2007	Bengkel Stakeholder Program BMM - EAC	Participant
29 Mar~1 Apr 2007	Malaysia Technology Expo 2007 (MTE 2007) – Anjuran MARS	Exhibitor
28 Mar 2007	FRGS (Fundamental Research Grant Scheme) Proposal Writing Workshop, Prof. Dr. Awaluddin (UTM) – MS Garden, Kuantan.	Participant
26 Feb~2 Mac 2007	Training on Surface Grinding Machine – FKM,UMP	Participant
12~13 Feb 2007	Bengkel Gerak Kerja EAC – Anjuran FKM	Participant
28~30 Jan 2007	Bengkel Latihan EAC Siri 2 – Anjuran BEM	Participant
24 Jan 2007	Seminar on Intellectual Property Rights (IPR) – Anjuran RMC, UMP	Participant
10 Jan 2007	Bengkel Penjenamaan KUKTEM ke UMP	Participant
3 Jan 2007	Bengkel Pengendalian PSM – Prof. Dr. Awaluddin	Participant
17~19 Dec 2006	Bengkel Stategic Planning Workshop 2006-2010 -FKM	Participant
15 Dec 2006	Bengkel Perancangan MECHAPRO	Participant
1~3 Nov 2006	Bengkel Penulisan Penuh Laporan EAC – Awana Genting	Participant
7~8 Oct 2006	Bengkel Laporan dan Dokumentasi EAC – Awana Kijal	Participant
26 July 2006	Bengkel Terma Rujukan SENAT dan JK Tetap SENAT KUKTEM	Participant
2~5 July 2006	Seminar Regional Conference in Vehicle Engineering Technology (RIVET2006)	Participant
26 ~29 June 2006	Bengkel Pemurnian Kurikulum, Silibus, Pengajaran & OBE bagi EAC, Swiss Garden Resort & Spa Kuantan	Participant
12~16 June 2006	VPG Training - KL	Participant
9~11 June 2006	Bengkel SPW-Bahagian Pengurusan Akademik – Awana Genting	Participant
25 Apr – 1 May 2006	Pameran Harta Intelek Negara – KLCC	Participant
12~14 April 2006	Website Workshop, KUKTEM Pahang	Participant
2~11 April 2006	34th International Exhibition Inventions New Techniques & Products – Geneva Switzerland	Exhibitor
9~11 Mac 2006	MeScope Training Software by Prof. Dr. Roslan Abd. Rahman	Participant
13~15 Feb 2006	A Course on IELTS - KUKTEM	Participant
21 Dec 2005	Kursus Pengajaran dan Pembelajaran (P&P): Analisa Kertas Soalan, FKM Laboratory	Participant
13 – 16 Dec 2005	Effective Teaching Workshop based on OBE (RCEE 2006), Rumah Alumni UTM	Participant

4-10 Sept 2005	Kursus PTK 3 – Awana Kijal	Participant
28 Sept 2005	Pulse X Seminar – Sheraton Subang	Participant
25 Aug 2005	Seminar Growing a Competent Component Manufacturing by Prof. Raj Balendra	Participant
8~13 Aug 2005	WITNESS Training - KUKTEM	Participant
28 June 2005	MIG Welding Training - KUKTEM	Participant
1 – 3 June 2005	Kursus Pengajaran dan Pembelajaran (P&P): Bloom Taxonomi, The Legend Hotel Cherating	Participant
12~14 April 2005	Outcome Based Education Seminar – IEM, Equatorial Bangi	Participant
8 April 2005	Seminar on Developing Competitive & Sustainable Manufacturing Industries – Swiss Garden Kuantan	Participant
2 Feb 2005	Training FFT Vibration - KUKTEM	Participant
19 Jan 2005	Training Hydrostatics Fluids Apparatus - KUKTEM	Participant
5 Oct 2004	Automotive Tour 2004 Malaysia – Concorde Shah Alam	Participant
9~10 Sept 2004	ISO 9001: 2000 Internal Audit Training - KUKTEM	Participant
8 Sept 2004	CAN Seminar & Workshop – Palace of Golden Horses	Participant
10 June 2004	Flow Measurement and Particle Characterization Training – PWTC KL	Participant
16~31 May 2004	Kursus Induksi Umum – Lanjut Beach Resort Rompin	Participant
12 May 2004	Hacksaw Machine Handling - KUKTEM	Participant
2~6 Jan 2004	Training of Trainers(TOT) Modul Kenegaraan - Pusat Latihan Sibertel Kajang	Participant
13~17 Dec 2003	Short Course on CAD 2003 - KUKTEM	Participant
21~23 Oct 2003	English For Academics – Vistana Kuantan	Participant
22~23 Aug 2003	Balance Score Card (BSC) Awareness Workshop - KUKTEM	Participant
12~13 July 2003	Kursus Induksi Pentauliahan MLVK - KUKTEM	Participant
7~9 July 2003	Konvensyen Pendidikan Kejuruteraan Kebangsaan – Putrajaya Marriot	Participant
2 July 2003	Bengkel Matlab - KUKTEM	Participant
28 May 2003	Bengkel Rapid Prototyping - KUKTEM	Participant
24~25 Mei 2003 & 21~22 Jun 2003	Bengkel Pembangunan Makmal Pekan – Hotel Vistana Kuantan	Participant
5~6 May 2003	Seminar Pedagogi dan Psikologi – Shahzan Inn Kuantan	Participant
29 April 2003	Bengkel Fasilitator - KUKTEM	Participant
14~15 April 2003	Bengkel Portal KMC – Swiss Garden Kuantan	Participant