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

Academic Qualification

University of Liverpool, 2016, PhD (Mechanical Engineering – Nonlinear Vibration)

Universiti Putra Malaysia, 2003, M. Sc. (Manufacturing System Engineering)

Universiti Teknologi Malaysia, 1999, B. Eng. (Mechanical Engineering)

Working Experiences

1. Mac 2018 ~ present: Assoc. Prof., Faculty of Mechanical Engineering, Universiti Malaysia Pahang
2. Jan 2009 ~ Feb 2018: Senior Lecturer, Faculty of Mechanical Engineering, Universiti Malaysia Pahang
3. 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
4. July 2003 ~ Dec 2008: Lecturer, Faculty of Mechanical Engineering, Universiti Malaysia Pahang
5. April 2003 ~ July 2003: Tutor, Faculty of Mechanical Engineering, Universiti Malaysia Pahang
6. May 2004 ~ Feb 2009: Lecturer/Tutor, Open University, Kuantan Pahang.
7. June 1999 ~ March 2003: Lecturer, IKIP College Education Sdn. Bhd, Kuantan, Pahang

Academic Administrative Experiences

1. Deputy Director, Automotive Engineering Centre (AEC), Universiti Malaysia Pahang, Date of Appointment: 15 Jun 2017 (15/06/17-14/06/19)
2. Deputy Director, Automotive Engineering Centre (AEC), Universiti Malaysia Pahang, Date of Appointment: 15 Jun 2015 (15/06/15-14/06/17)
3. Deputy Director, Automotive Engineering Centre (AEC), Universiti Malaysia Pahang, Date of Appointment: 15 Jun 2013 (15/06/13-14/06/15)
4. Deputy Dean (Research & Postgraduate Studies), Faculty of Mechanical Engineering, Universiti Malaysia Pahang, Date of Appointment: 1 April 2007 (01/04/07-31/12/08)
5. Head of Department (Curriculum), Faculty of Mechanical Engineering, Universiti Malaysia Pahang, Date of Appointment: 1 April 2005 (01/04/05-31/01/07)

Visiting Professor/Lecturer

1. Visiting Professor at Politeknik Aceh Selatan, 12-14 September 2019
2. Visiting Lecturer at Universiti Abulyatama, Banda Aceh, 5 Feb 2018
3. Visiting Lecturer at Universiti Serambi Mekah, Banda Aceh, 6 Feb 2018
4. Visiting Lecturer at Universiti Muhammadiyah, Banda Aceh, 7 Feb 2018
5. Visiting Lecturer at Universiti Iskandar Muda Aceh, 8 Feb 2018
6. Visiting Lecturer at Universiti Abulyatama, Banda Aceh, 2 – 3 Nov 2017
7. Visiting Lecturer at Universiti Muhammadiyah, Banda Aceh, 8 – 9 April 2017
8. Visiting Lecturer at Universiti Muhammadiyah, Banda Aceh, 31 Oct – 1 Nov 2017

Special Appointments

1. Pengerusi Lembaga Koperasi Universiti Malaysia Pahang, 2017-2019
2. Exco, Malaysia Association Academic Congress (MAAC), April 2016 – April 2018
3. Presiden, Persatuan Akademik UMP (PAKAD), March 2015 – March 2017

4. Committee Member Society of Vibration and Acoustic Malaysia (SVAM), 2017-2019
5. Ahli Majlis Bersama Jabatan UMP, 2015-2017.

Others Administrative Experiences

1. Co-Chairman, International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2018)
2. Co-Chairman, International Conference on Science, Engineering and Technology (iSET 2018)
3. Committee Member, International Conference on Noise, Vibration and Comfort (NVC 2018)
4. Co-Chairman, Advanced Innovation & Engineering Exhibition (AiNEX 2017).
5. Chief Judge, Advanced Innovation & Engineering Exhibition (AiNEX 2017).
6. Penilai Kurikulum Program Pembelajaran Sepanjang Hayat (PSH), UMP Advanced Education - 2016
7. Co-Chairman, International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2016)
8. Co-Chairman, Advanced Innovation & Engineering Exhibition (AiNEX 2015).
9. Chief Judge, Advanced Innovation & Engineering Exhibition (AiNEX 2015).
10. Committee Member, International Conference on Mechanical Engineering Research (ICMER 2015)
11. Co-Chairman, International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2014)
12. Panel Penilai Jawatankuasa Penilaian Penyelidikan Geran UMP 2014-2018.

Expert Area

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

Research Interest

Nonlinear Vibration, Finite Element Method, Model Updating and Acoustics

Reviewer Journal/Conference Publication

1. Reviewer for Journal of Computational Applied Mechanics (JCAMECH), 2018 to date
2. Reviewer for International Journal of Automotive and Mechanical Engineering (IJAME), 2018 to date
3. Reviewer for International Journal of Mechanical and Engineering Science (JMES), 2018 to date
4. Reviewer for International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2018)
5. Reviewer for International Conference on Science, Engineering and Technology (ISET 2018)
6. Reviewer for Mechanical Engineering Research Day 2018 (MERD 2018), UTEM
7. Reviewer for Indian Journal of Science and Technology (2017 to date)
8. Reviewer for International Journal of Acoustics and Vibration (2017 to date).
9. Reviewer for International Conference on Mechanical Engineering Research (ICMER 2017)
10. Reviewer for Journal of Engineering and Technology (JET), MTUN
11. Reviewer for International Journal of Advanced Mechatronic Systems (IJAMECHS), Inderscience
12. Reviewer for Journal of Applied Science & Process Engineering, UNIMAS
13. Reviewer for Journal of Engineering Science and Technology, Taylor's University
14. Reviewer for Jurnal Teknologi, UTM
15. Reviewer for Mechanical Engineering Research Day 2017 (MERD 2017), UTEM
16. Reviewer for Mechanical Engineering and Sciences Postgraduate International Conference (MESPIC 2016), UiTM Shah Alam.
17. Reviewer for International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2016)
18. Reviewer for International Conference on Mechanical Engineering Research (ICMER 2015)
19. Reviewer for Malaysian Technical Universities Conference on Engineering and Technology (MUCET2015)
20. Reviewer for International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2014)
21. Reviewer for 4th International Conference on University Learning and Teaching (InCULT08), UiTM Shah Alam, Malaysia.

Research Project / Grant

1. Investigation of Dynamic Model Updating of Car Crash Box for Crashworthiness Analysis
 - Project Leader
 - 15 Aug 2017 – 14 Aug 2020
 - RDU 170123 – FRGS Grant (RM 79,200)

2. An investigation into the effects of resonances on the time delay estimation for leak detection in plastic water distribution pipes
 - Researcher
 - 15 Aug 2017 – 14 Aug 2020
 - RDU 170121 – FRGS Grant (RM 89,803)
3. Investigation on thermal management of CI engine operating with biofuel
 - Researcher
 - 28 Jun 2017 – 27 Jun 2020
 - RDU 172204 – UMP Flagship Grant (RM 98,500)
4. Complete combustion valuation of a newly formulated renewable energy of solar - bioresource fuel
 - Researcher
 - 28 Jun 2017 – 27 Jun 2020
 - RDU 1703323 – UMP Flagship Grant (RM 30,000)
5. Development of an Adaptive Vibration Absorber at Engine Mount using Magnetorheological Elastomer
 - Researcher
 - 28 Jun 2017 – 27 Jun 2020
 - RDU 1703148 – UMP Grant (RM 23,000)
6. Hydraulic characterization of PVC-O pipes by means of transient tests
 - Researcher
 - 15 May 2017 – 14 May 2020
 - RDU 170386 – UMP Grant (RM 23,000)
7. A New Algorithm to Identify Nonlinear Vibration of Car Body In White (BIW) Structure
 - Project Leader
 - 1 Dec 2013 – 28 Feb 2017
 - RDU 130149 – FRGS Grant (RM 120,800)
8. Development of an Adaptive Vibration Absorber at Engine Mount using Magnetorheological Elastomer
 - Researcher
 - 20 Jun 2017 – 19 Jun 2019
 - RDU 1703148 – UMP Grant (RM 23,000)
9. Structural Dynamic Properties Investigation of Dissimilar Materials (AA 7075, AA 6061, AZ31B) Joints Produced by Friction Stir Welding (FSW)
 - Project Leader
 - 25 June 2015 – 24 June 2017
 - RDU 150335 – UMP Grant (RM 20,470)
10. Sound Intensity Mapping for Two Stroke Petrol Engine
 - Project Leader
 - 25 Nov 2013 – 24 Nov 2015
 - RDU 130392 – UMP Grant (RM 26,050)
11. 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)
12. Development of Fibre Metal Laminate Materials for Automotive Application
 - Researcher (Member)
 - 25 June 2016 – 24 June 2018
 - RDU 1603108 – UMP Grant (RM 33,800)
13. 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)

14. 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)
15. 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)
16. 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)
17. 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)
18. 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)
19. 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)
20. Electromagnetic Braking Effect for Power Steering System
 - Researcher (Member)
 - 25 Nov 2013 – 24 Nov 2015
 - RDU 130390 – UMP Grant (RM 28,000)
21. 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)
22. Hybrid Electric Vehicle Driveline Development
 - Project Leader
 - 1 April 2007 – 31 March 2008
 - RDU 07/03/04 (Research Grant – RM 34,000)
20. 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)
21. Numerical Study on Fatigue of Spot Welded for Automotive Components
 - Researcher
 - 1 Sept 2007 – 31 August 2008
 - RDU 070346 (Research Grant – RM 19,000)
22. 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)

Professional Qualification / Membership / Affiliation / Experience

1. Graduate Engineer, Board of Engineer, Malaysia (BEM) (39473A).
2. Member, International SAE (6126281422)
3. Member, International Association of Engineers (IAENG) (65486)

Post Graduate Supervision

Main-Supervision

1. Noor Amzura bt. Abdullah (MMA 14003) – Master's Degree - Oct 2014 to July 2017 **(completed)**
2. Siti Norazila bt. Zahari (MMM 15001) – Master's Degree - Feb 2015 to July 2017 **(completed)**
3. Mohd. Hafizi bin Nor Izham (MMM 16008) - Master's Degree - April 2016 to date (on-going)
4. Nazrotul Afina bt. Nazri (MMM 16017) - Master's Degree - Sept 2016 to date (waiting for viva voce)
5. Khaironi bt. Mat Jelani (MMA 16003) - Master's Degree - Sept 2016 to date (on-going)
6. Mohd Sahril b Mohd Fouzi (MMA17001) - Master's Degree - March 2017 to date (on-going)
7. Haizuan b. Abdul Rahman (PMM17010) - PhD's Degree – Sept 2017 to date (on-going)
8. Nur Farizah Diana bt. Abdul Razak (MMM 17014) - Master's Degree - Sept 2017 to date (on-going)
9. Erdiwansyah (PMM18001) – PhD's Degree – Feb 2018 to date (on-going)
10. Rosmaliza bt. Mat Yaacob (PMV18003) – PhD's Degree – March 2018 to date (on-going)
11. Noor Amzura bt. Abdullah – PhD's Degree – will register on Oct 2019
12. Muhammad Zikri bin Japri – Master's Degree – will register on Oct 2019

Co-Supervision

1. Makeen bin. Mohd. Amin (MMM 13011) – Master's Degree - Oct 2013 to June 2018 (completed)
2. Mohamad Nazirul Mubin bin Merzuki (MMM17020) – Master's Degree - Sept 2017 to date (on-going)

INSTRUCTIONAL TEACHING EVALUATION – EPAT

Session/ Semester	Category	Subject Code	Mark (100)	Index (5.00)
2017/2018 (2)	LECTURE	BMA 4763 – VEHICLE NOISE & VIBRATION	92.78	4.64
2017/2018 (2)	LAB	BMA 4763 – VEHICLE NOISE & VIBRATION	92.08	4.60
2017/2018 (1)	LECTURE	BMA 4763 – VEHICLE NOISE & VIBRATION	95.08	4.75
2017/2018 (1)	LAB	BMA 4763 – VEHICLE NOISE & VIBRATION	95.53	4.78
2016/2017 (2)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	92.21	4.61
2016/2017 (2)	LAB	BMM 3553 – MECHANICAL VIBRATION	91.76	4.59
2016/2017 (1)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	93.46	4.67
2016/2017 (1)	LAB	BMM 3553 – MECHANICAL VIBRATION	92.46	4.62
2015/2016 (2)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	90.8	4.54
2015/2016 (2)	LAB	BMM 3553 – MECHANICAL VIBRATION	90.36	4.52
2015/2016 (1)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	94.62	4.73
2014/2015 (2)	LECTURE	BMM 3553 – MECHANICAL VIBRATION	93.26	4.66

2014/2015 (2)	LAB	BMM 3553 – MECHANICAL VIBRATION	94.2	4.71
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
2017/2018(2)	UMP / Vehicle Noise and Vibrations / BMA 4763	1 Semester	Degree	2 Hours – Lecture 2 Hours – Lab
2017/2018(1)	UMP / Vehicle Noise and Vibrations / BMA 4763	1 Semester	Degree	2 Hours – Lecture 2 Hours – Lab
2016/2017(2)	UMP / Mechanical Vibrations / BMM 3553/Section 2	1 Semester	Degree	3 Hours – Lecture 2 Hours – Lab
2016/2017(1)	UMP / Mechanical Vibrations / BMM 3553/Section 2	1 Semester	Degree	3 Hours – Lecture 2 Hours – Lab
2015/2016(3)	UMP/Team Oriented Project Study (TOPS)/BHA 4903	1 Semester	Degree	3 Hours – Project
2015/2016(2)	UMP / Mechanical Vibrations / BMM 3553/Section 2	1 Semester	Degree	3 Hours – Lecture 2 Hours – Lab
2015/2016(1)	UMP / Mechanical Vibrations / BMM 3553/Section 2	1 Semester	Degree	3 Hours – Lecture
2014/2015(2)	UMP / Mechanical Vibrations / BMM 3553/Section 2	1 Semester	Degree	3 Hours – Lecture 4 Hours – Lab

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 3 Hours – Tutorial 2 Hours – Lab
2003/2004(2)	KUKTEM / Statics / BMM 1532 KUKTEM / Statics / DMM 1532	1 Semester 1 Semester	Degree Diploma	2 Hours – Lecture 1 Hour – Tutorial 2 Hours – Lab 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 2006	OUM/EBXT2203/ Communication and Manufacturing Technology	1 Semester	Degree	2 Hours – Lecture
	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
		1 Semester	Degree	2 Hours – Lecture

September 2004	OUM/EBXT3103/Engineering Technology	1 Semester	Degree	2 Hours – Lecture
Jan 2004	OUM/EBMT3103/Mechanical Eng. Toolwork			
2001-2002	UPM/Mekanik Gunaan	2 Semester	Degree	4 Hours – Lab
	Kolej IKRAM/Manufacturing Technology	1 Semester	Diploma	2 Hours – Lecture
	Kolej EDI-Bina Usahawan/ Manufacturing Technology	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

Degree / Final Year Supervision

No.	Academic Year	Name of Student	Student ID	Title of Project
1.	2017-2018	Muhammad Faris Redhwan	MA14160	Investigation on linear and nonlinear vibration of engineering flexible structure
2.	2017-2018	Nurul Diana Afkah binti Khairi	MA14067	Normal mode analysis and modal testing on dissimilar plate material with rivet joint
3.	2017-2018	Muhammad Asraf Hizamuddin bin Hashim	MA14039	Vibration study on composite plates
4.	2017	Muhammad Hariz bin Mohamad Razip	HB12019	Model Updating Structural Dynamics of Motorcycle Chassis
5	2016-2017	Nur Farizah Diana bt Abdul Razak	MA13076	Noise Analysis for Automotive Radiator Cooling Fan
6	2016-2017	Dhiya Al Den Jabr Alawi	MA13183	Modal Analysis of Laser Spot Welding Dissimilar Plate Structures
7	2016-2017	Mohamad Nasrul Faez bin Juhri	MH13003	Analysis Structure Dynamic of Motorcycle Chassis
8	2016-2017	Ahmad Rafiuddin bin Abd Rahman	MH12044	Structure Dynamic Analysis of Car Exhaust System
9	2015-2016	Ibnu Abbas bin Othman	MA12051	Dynamic Study on Bicycle Frame Structure
10	2015-2016	Muhammad Nasiruddin bin Mansor	MA12044	Modal Analysis of Friction Stir Welding for Aluminium and Magnesium Plate Structure
11	2015-2016	Mathaeus Anak Johani	MA12089	Structural Dynamic Identification of Portal Frame Structure

12	2014-2015	Nur Syafenazzatul Ain bt Mat Saad	MA11082	Investigation Dynamic Behaviour Investigation of Go-Cart Structure
13	2014-2015	Ahmad Ariff Ridhwan b. Zakaria	MA11102	Study on Dynamics Properties of FSW Between AA6061 and AA7075
14	2014-2015	Muhammad Firdaus b. Sulaiman	MA11072	Investigation Dynamic Properties of Composite Structures
15	2014-2015	Muhd Amirul Farhan bin Arif Rahimi	MG11034	Noise Source Identification of Two Stroke Engine
16	2014-2015	Mohamad Syahir Bin Yunus	MA11112	Study of dynamic properties of I-Cross Section Plate Element
17	2013-2014	Muhammad Hafiz b. Esa	MA10122	Design and Fabrication of Auto Simulation Rig
18	2013-2014	Ahmad Tarmizy b. Abdul Rafa	MA10003	Condition Monitoring Based on Vibration Measurement
19	2013-2014	Mohd Hafiz Bin Hamzah	MA10079	FRF And FEA Modal Analysis of Gas-Glow Pipelines
20	2013-2014	Mohd Razman Hazuan	MA10084	ODS of Gas-Glow Pipelines for Different Valves Openings
21	2013-2014	Mohammad Fithri Emir b. Abdul Mutalib	MH10007	Vibration of Cantilever and Plate Structures
22	2013-2014	Muhamad Shukri Aimi b. Abdul Aziz	MA10039	Study on Identification of Structural Nonlinearities
23	2007- 2008	Mohamad Saufi b. Mohamad Zainury	MH05011	Modal Analysis for Engine Crankshaft
24	2007 -2008	Ab. Rahman b. Mohd. Nooh	MH05012	Noise Source Identification of Engine Dynamometer
25	2007- 2008	Muhamad Hanif b. Abd. Rasid	MA05025	Noise Source Identification of Split Unit Air Conditioner System
26	2007-2008	Mohamad Tarmizi b. Arbain	MH05013	Computational Stress and Modal Analysis of Car Chassis
27	2007-2008	Iskandar Izany b. Abd. Rahman	MH05063	Computational Stress and Modal Analysis of Automobile Tire
28	2007- 2008	Mohd. Sahril b. Mohd. Fouzi	MH05041	Modal Updating for Fun Kart Chassis
29	2007-2008	Mohd. Asqalani b. Naharudin	MH05058	Design and Simulation Automobile Active Suspension System
30	2006- 2007	Erlifi b. Husin	MH04031	Experimental Study of Heat Transfer inside the Shock Absorber Test Rig
31	2006- 2007	Mohd. Hafizi b. Nor Izhah	MA04004	Experimental Modal Analysis Of Wira Car Chassis
32	2006-2007	Lim Wai Tuck	MD04024	Design and Fabrication UMP Mini Go-Kart Chassis
33	2006- 2007	Johari b. Mansor	MH04015	Preliminary Study on Stiffness and Damping Measurement of Shock Absorber
34	2006-2007	Nur Afiq b. Abu Bakar	MD04003	Industrial Vibration and Noise Analysis of Conventional Drilling Machine on Different Type Of Materials
35	2006-2007	Nurul Mubinah bt. Suhaimi	MG04010	Quality and Productivity Improvement in Small Medium Industries (SMI) Using Industrial Engineering Tools

36	2006- 2007	Nur Hairunnisa bt. Kamarudin	MG04004	Industrial Vibration and Noise Analysis of Conventional Turning Machine on Different Type Of Materials
37	2006- 2007	Hartini bt. Mustafa	MF04032	Improving Productivity & Efficiency of SMI
38	2006-2007	Anisha Syazzana bt. Ahmad Anuar	MG04008	Industrial Vibration and Noise Analysis of Conventional Milling Machine on Different Type Of Materials
39	2006- 2007	Mohd. Hazaruddin b. Muhammad	MA04021	Experimental Modal Analysis of Automobile Tire
40	2005- 2006	Nudi b. Nurba	MA03044	Experimental Modal Analysis on Fun Kart Chassis
41	2005- 2006	Mohd. Marzuki b. Zainudin	MA03026	Design and Development for Shock Absorber Test Rig Vibration Measurement System
42	2005-2006	Taj Nesha Begam Bt. Baisul Khan	MA03056	Improving Productivity And Efficiency of Assembly Line in a SMI Manufacturing Company
43	2005- 2006	Mohd Nazri Bin Ismail	MB04022	Design And Fabrication Of Bicycle Frame Structure
44	2005- 2006	Muhammad Hafizuddin b. Md. Said	MB04061	Design and Fabricate of Baby Cradle Structure
45	2004- 2005	Kamal Ariffin b. Mohamad	MB03007	Design and Fabrication of KUKTEM Go-Kart (Suspension and Steering: Rear Suspension System)
46	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. N.A. Nazri, **M.S.M. Sani**, M.N. Mansor and S.N. Zahari, "Model Updating of Friction Stir Welding for Aluminium and Magnesium Plate Structure", Journal MATEC of Conference, 150 (04004), 2018, pp 1-10, doi: 10.1051/mateconf/201815004004 (**Scopus Indexing**)
2. N.A.Z. Abdullah, **M.S.M. Sani**, and I. Zaman, "Correlation of Structural Modal Properties of Go-Kart Frame Structure Using Different Type of Joint in Finite Element Modeling", Advanced Science Letters, Vol. 23 (11), pg. 11315–11319, <https://doi.org/10.1166/asl.2017.10274> (**Scopus Indexing**)
3. S.N. Zahari and **M.S.M. Sani**, "Investigation on Impact Hammer Testing with Different Types of Hammer Tip for Welded Thin Plate", Advanced Science Letters, Vol. 23 (11), pg. 11325–11329, <https://doi.org/10.1166/asl.2017.10276> (**Scopus Indexing**)
4. NS Noor, Z Ghazalli, MR Rejab, FA Fauzi, R Mamat, K Kadirgama, **MSM Sani**, Z Ahmad and NH Johari, "A Comparison of Muscular Activity Among European, Korea and Malaysian During Seating Using Musculoskeletal Computational Analysis Method", Advanced Science Letters, Vol. 23 (11), pg. 11471–11474, <https://doi.org/10.1166/asl.2017.10309> (**Scopus Indexing**)
5. N.A.Z. Abdullah, **M.S.M. Sani**, N.A. Hussain, M.M. Rahman, and I. Zaman, "Dynamics properties of a Go-kart chassis structure and its prediction improvement using model updating approach", International Journal of Automotive and Mechanical Engineering (IJAME), Vol. 14, pg 3887-3897, 2017, doi: <https://doi.org/10.15282/ijame.14.1.2017.6.0316> (**Scopus Indexing**)
6. S.A.M. Rozlan, I. Zaman, S.W. Chan, B. Manshoor, A. Khalid, **M.S.M. Sani**, "Study of a Simply-Supported Beam with Attached Multiple Vibration Absorbers by Using Finite Element Analysis", Advanced Science Letters, Vol. 23 (5), 2017, pg. 3951-3954, <https://doi.org/10.1166/asl.2017.8302> (**Scopus Indexing**)

7. N.A.Z. Abdullah, **M.S.M. Sani**, M.M. Rahman and I. Zaman, "Correlation of numerical and experimental analysis for dynamic behavior of a Body-In-White (BIW) structure", Journal MATEC of Conference, 90 (01020), 2017, pp 1-10, doi: 10.1051/mateconf/20179001020 (**Scopus Indexing**)
8. M.H.N. Izham, N.A.Z. Abdullah, S.N. Zahari and **M.S.M. Sani**, "Structural dynamic investigation of frame structure with bolted joints", Journal MATEC of Conference, 90 (01043), 2017, pp 1-9, doi: 10.1051/mateconf/20179001043 (**Scopus Indexing**)
9. S.N. Zahari, **M.S.M. Sani** and M. Ishak, "Finite element modelling and updating of friction stir welding (FSW) joint for vibration analysis", Journal MATEC of Conference, 90 (01021), 2017, pp 1-11, doi: 10.1051/mateconf/20179001021 (**Scopus Indexing**)
10. S.A.M. Rozlan, I. Zaman, B. Manshoor, A. Khalid, S.W. Chan and **M.S.M. Sani**, "Theoretical modelling of a beam with attached spring-mass-damper system", Journal MATEC of Conference, 90 (01030), 2017, pp 1-9, doi: 10.1051/mateconf/20179001030 (**Scopus Indexing**)
11. **M.S.M. Sani**, N.A. Nazri, S.N. Zahari, N.A.Z. Abdullah and G. Priyandoko, "Dynamic Study of Bicycle Frame Structure", Journal IOP Conf. Series: Materials Science and Engineering, 160 (2016), pp 1-8, 012009 doi:10.1088/1757-899X/160/1/012009 (**Scopus Indexing**)
12. **M.S.M. Sani** and H. Ouyang, "Identification of Nonlinearities in Joints of a Wing Structure", Journal MATEC of Conference, 83 (03006), 2016, pp 1-6, doi: 10.1051/mateconf/20168303006 (**Scopus Indexing**)
13. **M.S.M. Sani**, N.A.Z. Abdullah, S.N. Zahari, J.P. Siregar and M.M. Rahman, "Finite element model updating of natural fibre reinforced composite structure in structural dynamics", Journal MATEC of Conference, 83 (03007), 2016, pp 1-6, doi: 10.1051/mateconf/20168303007 (**Scopus Indexing**)
14. S.N. Zahari, **M.S.M. Sani**, N.A. Hussain, M. Ishak and I. Zaman, "Dynamic analysis of friction stir welding joints in dissimilar material plate structure", Jurnal Teknologi (Sciences and Engineering), Vol. 78 (6-9), 2016, pp 57-65, ISSN (online): 2180-3722, (**Scopus Indexing**)
15. S.N. Zahari, A.A.R. Zakaria, **M.S.M. Sani**, and I. Zaman, "A Review on Model Updating of Joint Structure for Dynamic Analysis Purpose", Journal MATEC of Conference, 74 (00023), 2016, pp 1-6, doi: 10.1051/mateconf/20167400023 (**Scopus Indexing**)
16. N.S.M. Noor, Z. Ghazalli, **M.S.M. Sani**, R. Mamat, K. Kadirgama, Z.A. Manap and N.H. Johari, "Enhancement Of Driver Seat Comfort Of Small Size Car: Preliminary Study", Malaysian Journal of Public Health Medicine (MJPHM), Vol. 1, special edition, pp 108-114, 2016, (**Scopus Indexing**)
17. **M.S.M. Sani**, M.M. Rahman, M.Z. Baharom and I. Zaman, "Sound Intensity Mapping of Engine Dynamometer", International Journal of Automotive and Mechanical Engineering (IJAME), Vol. 11, pp 2820-2829, 2015, doi: <http://dx.doi.org/10.15282/ijame.12.2015.2.0237> (**Scopus Indexing**)
18. N.A.Z. Abdullah, **M.S.M. Sani**, M.M. Rahman and I. Zaman, "A Review on Model Updating in Structural Dynamics", IOP Conf. Series: Materials Science and Engineering, 100 (2015), pp 1-6, 012015 doi:10.1088/1757-899X/100/1/012015 (**Scopus Indexing**)
19. **M.S.M. Sani**, I. Zaman and M.M. Rahman, "Analysis of Split Air Conditioner Noise using Sound Intensity Mapping", Journal of Advanced Research in Fluid Mechanics and Thermal Science, Vol. 9 (1), 2015, pp 28-33, ISSN (online): 2289-7879, (**Scopus Indexing**)
20. M.Z. Baharom, G. Priyandoko, M.F.M. Romlay, **M.S.M. Sani**, M. S. Salleh and M. H. M. Yusof, "Voltage Induced Effect for Vibration Suppression using Eddy Current on Power Steering System", ARPN Journal of Engineering and Applied Sciences, Vol. 10 (17), 2015, pp 7482-7487, ISSN (online): 1819-6608, (**Scopus Indexing**)
21. **M.S.M. Sani**, M.N. Abdul Rani, M.A. Yunus, A.A. Mat Isa and L. Roslan, "Force Appropriation Method for Two Degree of Freedom Nonlinear System", Jurnal Teknologi (Sciences and Engineering), Vol. 76 (8), 2015, pp 5-9, ISSN (online): 2180-3722, (**Scopus Indexing**)
22. I. Zaman, M. R. Abdurasad, B. Manshoor, A. Khalid and **M.S.M. Sani**, "Study on Dynamic Behaviour of Grass Trimmer Using Finite Element Analysis", Applied Mechanics and Materials, Vol. 786, pp. 383-387, Aug. 2015, doi:10.4028/www.scientific.net/AMM.786.383 (**Scopus Indexing**)

23. 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. doi: 10.1051/mateconf/20141303003 (**Scopus Indexing**)
24. 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. doi: 10.4028/www.scientific.net/AMM.660.511 (**Scopus Indexing**)
25. 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> (**ISI Indexing, IF: 1.062**)
26. 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. <https://doi.org/10.15282/ijame.7.2012.9.0074> (**Scopus Indexing**)
27. **M.S.M. Sani**, M.M.Rahman, M.M.Noor, K.Kadrigama 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**)
28. K.Kadrigama, M.M. Noor, M.M. Rahman, **M.S.M. Sani**, M.R.M. Rejab, R.A. Bakar and K.A. Abou-El-Hossein, "Prediction Modeling of Power and Torque in End-Milling", Journal High Performance Structures and Materials V, Vol. 112, pp 409-418, 2010, doi:10.2495/HPSM100381 (**Scopus Indexing**)
29. **M.S.M. Sani**, M.M.Noor, M.S.M. Zainury, M.R.M. Rejab, K. Kadrigama & M.M. Rahman, "Investigation on modal transient response analysis of engine crankshaft structure", Journal High Performance Structures and Materials V, Vol. 112, pp 419-428, 2010, doi:10.2495/HPSM100391 (**Scopus Indexing**)
30. M.R.M. Rejab, **M.S.M. Sani**, M.M. Noor, K. Kadrigama , M.M. Rahman & A. Alias. "Mechanical behaviour of polymeric foam core at various orientation angles", Journal High Performance Structures and Materials V, Vol. 112, pp 429-428, 2010, doi:10.2495/HPSM100401 (**Scopus Indexing**)
31. M.M. Noor, K.Kadrigama, M.M. Rahman, M.R.M. Rejab, **M.S.M. Sani**, T.T. Mon and R.A. Bakar, "Development of statistical model to predict R_a and R_z in laser cutting", Journal High Performance Structures and Materials V, Vol. 112, pp 401-408, 2010, doi:10.2495/HPSM100401 (**Scopus Indexing**)
32. K.Kadrigama, M.M.Noor, M.M. Rahman, **M.S.M. Sani** and K.A. Abou-El-Hossein," Optimised tool life by partial swarm optimisation, International Journal of Material Forming, Volume 3, Issue SUPPL. 1, pp 479-482, 2010, Springer,ISSN 1960-6214 (on-line) doi:10.1007/s12289-010-0811-3 (**ISI Indexing**)
33. K.Kadrigama, 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.
34. M.M.Rahman, K.Kadrigama, 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: 1450216X, 1450202X , 2009. (**Scopus Indexing**)
35. 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**)
36. **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.
37. **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.
38. 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.

B) International and National Conference Papers

1. I. Zaman, S.W. Chan and **M.S.M. Sani**, "Design Analysis of Mechanical Jack for Assembling Canopy", Proceedings of the 2017 International Conference on Machine Learning and Soft Computing, 31st Jan 2017, Ho Chi Minh City, Vietnam.
2. **M.S.M. Sani**, S.N. Zahari, N.A. Usri, N.A. Nazri and S.Musa, "Knowledge Transfer Program by Improving Printing Mechanism for Heavy Duty Plastic", National Conference on Knowledge Transfer (NCKT2016), 30 Nov-1 December, Olive Tree Hotel, Penang, MALAYSIA, 2016.
3. S.N. Zahari and **M.S.M. Sani**, "Investigation on Impact Hammer Testing with Different Types of Hammer Tip for Welded Thin Plate", International Conference on Computational Science and Engineering (ICCSE 2016), 28 - 30 Nov, Kota Kinabalu, Malaysia, 2016.
4. N.S.M. Noor, Z. Ghazalli, M.R.M. Rejab, F.A. Fauzi, R. Mamat, K. Kadirgama, **M.S.M. Sani**, Z. Ahmad, N.H. Johari, "A Comparison of Muscular Activity among European, Korea and Malaysian During Seating Using Musculoskeletal Computational Analysis Method", International Conference on Computational Science and Engineering (ICCSE 2016), 28 - 30 Nov, Kota Kinabalu, Malaysia, 2016.
5. N.A.Z. Abdullah, **M.S.M. Sani**, M.M. Rahman and I. Zaman, "Correlation of Structural Modal Properties of Go-kart Frame Structure using Different Type of Joint in Finite Element Modeling, International Conference on Computational Science and Engineering (ICCSE 2016), 28 - 30 Nov, Kota Kinabalu, Malaysia, 2016.
6. **M.S.M. Sani**, N.A. Nazri, S.N. Zahari, N.A.Z. Abdullah and G. Priyandoko, "Dynamic Study of Bicycle Frame Structure", International Engineering Research and Innovation Symposium (IRIS 2016), 24 -25 Nov, Melaka, 2016.
7. N.A.Z. Abdullah, **M.S.M. Sani**, M.M. Rahman and I. Zaman, "Correlation of numerical and experimental analysis for dynamic behavior of a Body-In-White (BIW) structure", 2nd International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2016), 2 - 3 August, Cyberjaya, Malaysia, 2016.
8. M.H.N. Izham, N.A.Z. Abdullah, S.N. Zahari and **M.S.M. Sani**, "Structural dynamic investigation of frame structure with bolted joints", 2nd International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2016), 2 - 3 August, Cyberjaya, Malaysia, 2016.
9. S.N. Zahari, **M.S.M. Sani** and M. Ishak, "Finite element modelling and updating of friction stir welding (FSW) joint for vibration analysis", 2nd International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2016), 2 - 3 August, Cyberjaya, Malaysia, 2016.
10. S.A.M. Rozlan, I. Zaman, B. Manshoor, A. Khalid, S.W. Chan and **M.S.M. Sani**, "Theoretical modelling of a beam with attached spring-mass-damper system", 2nd International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2016), 2 - 3 August, Cyberjaya, Malaysia, 2016.
11. **M.S.M. Sani** and H. Ouyang, "Identification of Nonlinearities in Joints of a Wing Structure", 3rd International Conference on Structural Nonlinear Dynamics and Diagnosis (CSNDD'2016), 23 -25 May, Morocco, 2016.
12. **M.S.M. Sani**, N.A.Z. Abdullah, S.N. Zahari, J.P. Siregar and M.M. Rahman, "Finite element model updating of natural fibre reinforced composite structure in structural dynamics", 3rd International Conference on Structural Nonlinear Dynamics and Diagnosis (CSNDD'2016), 23 -25 May, Morocco, 2016.
13. **M.S.M. Sani**, S.N. Zahari, N.I.M. Azmi and S.Musa, "Secret to Success: Securing Petronas Vendor Development Program (VDP)", International Conference on Knowledge Transfer (ICKT2015), 1-3 December, Putrajaya Marriott Hotel, MALAYSIA, 2015.
14. N.A.Z. Abdullah, **M.S.M. Sani**, N.A. Hussain, M.M. Rahman and I. Zaman, "Model Updating of Go-Kart Structure in Structural Dynamics", 3rd International Conference on Recent Advances in Automotive Engineering & Mobility Research (ReCAR2015), 1-3 Dec, Melaka, 2015.
15. S.N. Zahari, **M.S.M. Sani**, N.A. Hussain, M. Ishak and I. Zaman, "Dynamic analysis of friction stir welding joints in dissimilar material plate structure", 3rd International Conference on Recent Advances in Automotive Engineering & Mobility Research (ReCAR2015), 1-3 Dec, Melaka, 2015.

16. **M.S.M. Sani**, M.N. Abdul Rani, M.A. Yunus. A.A. Mat Isa and L.Roslan, "Force Appropriation Method for Two Degree of Freedom Nonlinear System", 4th International Conference on Advances in Mechanical Engineering (ICAME 2015), 26 – 27 August, Bali, Indonesia, 2015
17. S.N. Zahari, A.A.R. Zakaria, **M.S.M. Sani**, and I. Zaman, "A Review on Model Updating of Joint Structure for Dynamic Analysis Purpose", 3rd International Conference on Mechanical Engineering Research (ICMER 2015), 1-3 July, The Zenith Hotel, Kuantan, Pahang, 2015
18. N.A.Z. Abdullah, **M.S.M. Sani**, M.M Rahman and I. Zaman, "A Review on Model Updating in Structural Dynamics", 3rd International Conference on Mechanical Engineering Research (ICMER 2015), 1-3 July, The Zenith Hotel, Kuantan, Pahang, 2015
19. 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.
20. **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.
21. M.Z. Baharom, G. Priyandoko, M.F.M. Romlay, **M.S.M. Sani**, M. S. Salleh and M. H. M. Yusof, "Voltage Induced Effect for Vibration Suppression using Eddy Current on Power Steering System", 1st International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV 2014), 26-27 August, Pahang, Malaysia, 2014.
22. 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.
23. **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.
24. 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.
25. 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.
26. **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.
27. 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.
28. **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.
29. 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.
30. **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.

31. **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.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.
37. **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.
38. 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.
39. 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.
40. 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.
41. **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**)
42. 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**)
43. 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**)
44. 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**)

45. **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.
46. 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.
47. 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.
48. 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.
49. 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.
50. **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.
51. **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.
52. **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.
53. **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.
54. **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.
55. **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.
56. **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.
57. **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
58. **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
59. **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
60. 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.

61. 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.
62. 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.
63. 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.
64. 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.
65. 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.
66. 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.
67. 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.
68. 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.
69. 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.
70. 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.
71. 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.
72. 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.
73. 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.
74. 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.

75. M.R.M.Rejab, M.M.Noor, M.M.Rahman, A.Sulaiman, K.Kadrigama, **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.
76. 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.
77. 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.
78. 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.
79. 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.
80. 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
81. 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: (Completed)
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: Heavy Duty Plastics Printing Mechanism. Malaysia Technology Expo 2017 (MTE 2017) PWTC Kuala Lumpur, 16th – 18th Feb 2017
2. **Silver Award** – Title: Development of Printing Mechanism for Heavy Duty Plastics. Creation, Innovation, Technology & Research Exposition (CITREX 2016), UMP Pahang, 7th – 8th March 2016.
3. **Bronze Award** – Title: Low Cost Noise Mapping Technique. Creation, Innovation, Technology & Research Exposition (CITREX 2016), UMP Pahang, 7th – 8th March 2016.
4. **Gold Award** – Title: Efficient Method for Noise Reduction of Grass Trimmer. 1st Advanced Innovation & Engineering Exhibition (AINEX 2015), Hotel Zenith Kuantan Pahang, 18th August 2015.

5. **Gold Award** – Title: LeDectSys_Leak Detection System. Creation, Innovation, Technology & Research Exposition (CITREx 2015), UMP Pahang, 9th – 10th March 2015.
6. **Bronze Award** – Title: Invention on Electromagnetic Power Steering System. Creation, Innovation, Technology & Research Exposition (CITREx 2016), UMP Pahang, 5th – 6th March 2014.
7. **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.
8. **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.
9. **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.
10. **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.
11. **Silver Award** – Title: Hybrid Electric Vehicle Development. Anugerah Penyelidikan Terbaik 2007, Hari Kualiti UMP.
12. **Bronze Award** – Title: Development of In Campus Vehicle (IV) for UMP Application . Anugerah Penyelidikan Terbaik 2007, Hari Kualiti UMP.
13. **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.
14. **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.
15. **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.
16. **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
30 Nov – 1 Dec 2016	National Conference on Knowledge Transfer (NCKT 2016)	Participant
24 – 25 Nov 2015	International Engineering Research and Innovation Symposium (IRIS 2016)	Participant
23 Nov 2016	Bengkel Multitrack (Pembangunan Rubric Penilaian & Formula)	Participant
12 Oct 2016	Information Skill Class: Online Database (TURN IT IN)	Participant

2 -3 Aug 2016	International Conference on Automotive Innovation and Green Energy Vehicle (AIGEV 2016)	Participant
26 July 2016	Bengkel Penyediaan Soalan Peperiksaan Akhir Sesi 2016/2017	Participant
23 – 25 May 2016	International Conference Structural Nonlinear Dynamics and Diagnosis (CSNDD 2016)	Participant
6 May 2016	Hari Kualiti Dan Inovasi 2016	Participant
23 Mac 2016	Hari Bertemu Pelanggan Jabatan Pendaftar BIL. 1 TAHUN 2016	Participant
8 Mac 2016	Hari Terbuka UMP 2016	Participant
7 Mac 2016	CITREX 2016	Participant
17 Feb 2016	Majlis Amanat Tahunan NAIB CANSELOR 2016	Participant
12 Feb 2016	Kolokium :New Academia Learning Innovations	Participant
5 Jan 2016	Bengkel Semakan Dan Pembangunan Pelan Strategik Aec 2016 Siri 1	Participant
3 Dec 2015	Bengkel Pembentukan Pelan Strategik UMP 2016-2020 Bersama Ketua-Ketua Jabatan	Participant
2 Dec 2015	Persidangan RECAR 2015	Participant
1 Dec 2015	Persidangan ICKT 2015	Participant
26 – 27 Aug 2015	Persidangan ICAME 2015	Participant
18 – 19 Aug 2015	Persidangan ICMER 2015 dan Pameran Penyelidikan AINEX 2015	Participant/ Organizer
14 Aug 2015	Majlis Perhimpunan Bersama Naib Canselor (Wacana: Hari Ini Dan Masa Hadapan)	Participant
13 July 2015	Bengkel Pewasitan Jurnal FKM	Participant
27 Jan 2015	Bengkel Penulisan dan Penilaian Kertas Kerja	Participant
19 Dec 2014	Bengkel OBE (Pemurnian Soalan Final Exam)	Participant
10 Dec 2014	Majlis Syarahan Umum Antarabangsa 2014 oleh Mr Matthias Gelber	Participant
27 Nov 2014	IMEche Talk	Participant
26-28 Sept 2014	Bengkel Kemahiran Sidang Editorial dan Penilai Jurnal	Participant
28 Aug 2014	Townhall Program Kesedaran Audit Kesediaan Autonomi Staf UMP Pekan)	Participant
26 - 27 Aug 2014	AiGEV 2014 Conference	Organizer/ Chairperson
21 July 2014	Pra Bengkel CQI dan Teaching Plan	Participant

17 July 2014	Bengkel Semakan dan Pemurnian Permohonan Geran Science Fund	Participant
16 July 2014	Bengkel Penulisan & Penyediaan Jurnal Berimpak Tinggi Siri 1 FKM	Participant
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
12 Feb 2014	Latihan Prosedur Pengajaran	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 Dalam 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 Statagic 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 Toxonomi, 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 Pentauliahahan 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