



Kurikulum Vitae
Curriculum Vitae

I. Maklumat Peribadi:
Personal Particulars

Nama: Associate Professor Engr. Dr. Noreffendy Tamaldin
Name: _____

No. KadPengenalan: _____ **Fakulti/Pusat:** Faculty of Mechanical Engineering
IC No.: _____ **Faculty/Centre**

Jawatan: Associate Professor / Dean,
Faculty of Mechanical Engineering, UTeM
Current Position: _____

Tetap / Sementara/Kontrak: Permanent
Permenant/temporary

Gred Kumpulan: DS54
Gred position

Tarikh Pertama Berkhidmat di UTeM: 26 May 2003
Date of First Appointment with UTeM

NomborTelefon : 06-2346890/019 775 2414
Telephone Number

E-mel: noreffendy@utem.edu.my
E-mail

Tarikh Pengemaskinian CV : March 6, 2016
Date of CV updated

II. A. Kelulusan Akademik dan Profesional (Sila senaraikan semua kelulusan akademik bermula daripada Ijazah Sarjana Muda mengikut susunan kronologi)
Academic and Professional Qualifications (Please list all academic qualifications, from your first degree in chronological order)

Tahun Year	Kelulusan Degree	Pengkhususan Discipline	Universiti University
1998	B.Sc Cum Laude (3.44/4.00)	Mechanical Engineering	University of Hartford,CT,USA.
2000	M.Eng. (3.83/4.00)	Mechanical Engineering Utilizing Neural Network for Online Inspection and Process Control, M.Eng. Thesis, 2000	University of Hartford,CT,USA.
2010	Ph.D.	Automotive-Diesel emission PhD (Diesel Emission-Urea SCR Spray Study) In Collaboration with Jaguar-Land Rover, Emcon Technologies/Faurecia, Ford Motor & Johnson Matthey.	Coventry University, West Midlands, U.K.

B. Tajuk tesis pascasiswazah (Sila senaraikan tajuk tesis bermula daripada peringkat Sarjana mengikut susunan kronologi)
Titles of postgraduate thesis written (Please list all thesis written, from your Master Degree in chronological order)

- (a) Utilizing Neural Network for Online Inspection and Process Control, **M.Eng. Thesis, 2000**
(b) Experimental Investigation of Emission from a Light Duty Diesel Engine Utilizing Urea Spray SCR system, **Ph.D Thesis, 2010**

III. Anugerah akademik
Academic award

- UTeM Excellent Employee Award 2013
- UTeM's University Academic Award 2012 (*Evergreen*) – Special Award
- UTeM's University Academic Award 2012 (*Advance Vehicle Technology*) – Special Award finalist
- UTeM Excellent Employee Award 2010
- Scholarship award under academic PhD training scheme, KPT/Universiti Teknikal Malaysia Melaka, 2005~2009

- Malaysian Embassy Washington D.C. Academic Excellence Award Fall 1998.
- Cum Laude Award (3.44/4.00) Fall Commencement 98- University of Hartford.
- 2nd Runner up – Senior Capstone Project ASME Award 98 (3/13) – School of Engineering, University of Hartford.
- Dean List Award 1997, University of Hartford

IV. Bidang Penyelidikan Utama (Sila senaraikan tiga sahaja)
Main Areas of Research Interest (Please list a maximum of three)

- (a) Alternative fuel such as Hydrogen/Bio Diesel testing.
 (b) Engine performance testing
 (c) Green Tribology

V. Projek Penyelidikan Yang dilaksanakan (Sila tulis tajuk, tajaan dan nombor rujukan projek sejak 2007)
Completed/On-going research project since 2007 (Please write the title, funder and reference number)

No.	Awarding Body	Title	Year	Amount
1	PJP/2010/FKM(2B)/S00648	Nonlinear Duffing Oscillator For Energy Harvesting Devices -Co-Researcher	2010	RM 15 000
2	PJP/2010/FKM(12B)/S00658	Modeling and Validation of 18-DOF High Mobility Multipurpose Wheeled Vehicle (Hmww) Model for Military Application	2010	RM 20 000
3	PJP/2011/FKM(14B)/S00904	Experimental Investigation of Research Octane Number (RON) Grade Fuel Impact on Performance and Emission in Light Duty Gasoline Vehicle.	2011	RM 16 800
4	PJP/2011/FKM(15B)/S00906	Design and Fabrication of A Race Car Vehicle For Perodua Eco-Challenge 2011. Co-Researcher	2011	RM 30 000
5	PJP/2011/FKM(8A)/S00862	Design and Analyze Possible Energy For A Heat Recovery System In Passenger Car Engine Compartment Co-Researcher	2011	RM 20,000
6	FRGS/2010/FKM/TK02/9 F00097	Semi Active Control of Secondary Suspension System for Improving Railway Vehicle Dynamics Performance using Magnetic Damper	2010	RM 47 300
7	FRGS/2012/FKM/TK08/02/1/F 00140	Engine Performance and Emission Characteristics of Hydrogen Enrichment in Light Duty Diesel Engine	2012	RM 92 300
8	ERGS/2012/FKM/TK01/02/6/ E00006	Towards A Self-Powered Navigation Buoy Using Vibration Based Energy Harvesting Concept From Ocean Wave Motion.	2012	RM 50 000
9	MTUN/2012/UTHM-FKM1 M00001	An effect of Storage Method and Variant Temperature on Bio-Diesel Properties, Combustion Characteristics and Emission	2012	RM 16 000
10	MTUN/2012/UJMP-FKM1 M00005	Bio-Diesel Fuel Specification and testing.	2012	RM 31 500
11	PJP/2012/FKM(11A)/S01086	Influence of Nanolubricant on Tribological Performance, Emission and Fuel Consumption of A Diesel Engine Co-Researcher	2012	RM 20 000
12	Perodua Eco Challenge 2012	Development of energy efficient vehicle for PEC 2012. Completed-5th place overall	2012	RM 15 000 (Perodua)
13	Proton PGMC 2012 Competition GLUAR/2013/FKE(1)/100001	Design and development of Electric Vehicle. Completed 3rd place. Best R&D, Winner Vmax, Best Promotion.	2012	RM20, 000 (Proton) RM99 000 (UTeM)
14	RAGS/2012/FKM/TK01/1 B00001	Novel Thermal Management of HEVs. EVs Battery Modules with Micro PCM/CNT Composites Co-Researcher	2012	RM 79 930
15	COE PJP/2012/CARE/Y00004	Ultra Low Emission and Improved Fuel Economy Hybrid Electric Vehicle 1.Principle–Cylinder Deactivation 2. Co-researcher-Series Hybrids	2013	RM 150 000

16	FRGS/2013/Trans-Disciplinary	New Strategies For Energy Saving: The Future Focus On Energy Efficient Vehicles (EEVs) In Malaysia Co-Researcher Project 1:New Strategic Approach for Thermal Effectiveness of PCM/Carbon Based Materials - RM111.9k Project4:New Bio-Lubricants for Friction and Wear Reduction-RM107.5k	2013	RM 443,280
17	ERGS/2012/FKMTK01/UTEM /02/04/E00016	Activated Carbon Reinforced Aluminum Matrix Composite (Psac-Al) In Different Environmental Conditions. Co-Researcher	2013	RM91 770
18	PJP Prototype/2013	Developing a Novel, Low Cost, Multi-Adjustable Probe Tool (MAPT) for an Environmentally Friendly Welding Process	2013	RM 17 500
19	Perodua ECO Challenge 2013	Development of Energy Efficient Vehicle for PEC2013 with "City Concept Car" Theme- Team UTeM Perodua Caliphs Result : Overall 2nd Place Longest distance : 2nd place - RM8000 Time Attack : 3rd place -RM3000 Engineering : 1st place - RM10 000 Marketing : 3rd place -RM3000 Best booth : 3rd place Design - 5th place Total Prizes - RM24 000.00	2013	RM20 000 Perodua Myvi 1.3
20	Program Rakan Penyelidik University Malaya (PRPUM 2013)	Design a New Eco-Lightweight Friction Material with Palm Oil Fiber Enrichment for Wear Characteristics Study Co-Researcher	2013	RM 143 750
21	RAGS/2013/FKMTK01/03/B0 0042	Wear Characteristics Study Of A New Eco-Lightweight Friction Material With Palm Oil Fiber Enrichment Co-Researcher	2013	RM 68 000

VI. Senarai Anugerah Penyelidikan yang diperolehi (Senarai perolehan anugerah Penyelidikan sejak 2007)
List of awards (Please list research awards received since 2007)

EVENT	TITLES	RESEARCHERS	AWARD
1. UTeM Research and Innovation Expo 2012 (UTeMEX 2012)	UTeM 1 : Perodua Eco-Challenge 2012	Musthafah Bin Mohd Tahir Muhammad Zahir Bin Hassan Noreffendy Bin Tamaldin Muhd Ridzuan Bin Mansor Herdy Rusnandi Syahibudil Ikhwan Bin Abdul Kudus Mohd Adrinata Bin Shahraruzaman	Bronze
2. BioMalaysia & Bioeconomy Asia Pacific 2013 Conference & Exhibition	Nano-oil for a Greener Future	Mohd Fadzli Bin Abdollah Muhammad Ilman Hakimi Chua Bin Abdullah Hilmi Bin Amiruddin Noreffendy Bin Tamaldin Nur Rashid Bin Mat Nuri@Md Din Masjuki Bin Haji Hassan Jaharah Binti A. Ghani	Silver
3. International Conference and Exposition on Invention of Institutions of Higher Learning 2013 (PECIPTA 2013)	Nano-oil for a Greener Future	Mohd Fadzli Bin Abdollah Muhammad Ilman Hakimi Chua Bin Abdullah Hilmi Bin Amiruddin Noreffendy Bin Tamaldin Nur Rashid Bin Mat Nuri@Md Din Masjuki Bin Haji Hassan Jaharah Binti A. Ghani	Silver
4. International	Wireless Pneumatic	Mohd Azman Bin Abdullah	Bronze

Conference and Exposition on Invention of Institutions of Higher Learning 2013 (PECIPTA 2013)	Transmission Gear Shifter and Engine Ignition Starter and Stopper	Mohd Ajwad Mohd Ahyak Muhammad Ali Imran Abd Hamid Noreffendy Bin Tamaldin Mad Nasir Bin Ngadiman	
5. UTeM Research and Innovation Expo 2013 (UTeMEX 2013)	Nano-oil as Effective Lubricant for Improving a Small Diesel Engine Performance	Mohd Fadzli Bin Abdollah Muhammad Ilman Hakimi Chua Bin Abdullah Hilmi Bin Amiruddin Noreffendy Bin Tamaldin Nur Rashid Bin Mat Nuri@Md Din	Gold
6. UTeM Research and Innovation Expo 2013 (UTeMEX 2013)	Emerging Lubrication Technology of Bearing Materials	Mohd Fadzli Bin Abdollah Mohd Afiq Azfar Bin Mazlan Hilmi Bin Amiruddin Noreffendy Bin Tamaldin Abdul Rafeq Bin Saleman Nor Azmmi Bin Masripan	Silver
7. UTeM Research and Innovation Expo 2013 (UTeMEX 2013)	Multi Wheels Nuts Remover	Mohd Azman Bin Abdullah Muhammad Ali Imran Abd Hamid Mohd Ajwad Mohd Ahyak Noreffendy Bin Tamaldin Mad Nasir Bin Ngadiman	Silver
8. UTeM Research and Innovation Expo 2013 (UTeMEX 2013)	Wireless Pneumatic Transmission Gear Shifter and Engine Ignition Starter and Stopper	Mohd Azman Bin Abdullah Mohd Ajwad Mohd Ahyak Muhammad Ali Imran Abd Hamid Noreffendy Bin Tamaldin Mad Nasir Bin Ngadiman	Silver
9. UTeM Research and Innovation Expo 2013 (UTeMEX 2013)	Hybrid Dual Steering -H2S	Noreffendy Bin Tamaldin Herdy Rusnandi Fauzi Bin Ahmad Abdurahman Dwijotomo	Bronze
10. Research, Invention, Innovation and Design Exhibition and Competition (RIID2013)	Uninterrupted Portable Power Supply (UPPS)	Mohd Azman Bin Abdullah Muhammad Ali Imran Abd Hamid Muhd Faiz Haikal Abdul Halil Noreffendy Bin Tamaldin	Gold
11. Research, Invention, Innovation and Design Exhibition and Competition (RIID2013)	Multi Wheel Nuts Remover	Mohd Azman Bin Abdullah Muhammad Ali Imran Abd Hamid Mohd Ajwad Mohd Ahyak Noreffendy Bin Tamaldin Mad Nasir Bin Ngadiman	Silver
12. Research, Invention, Innovation and Design Exhibition and Competition (RIID2013)	Wireless Pneumatic Transmission Gear Shifter and Engine Ignition Starter and Stopper	Mohd Azman Bin Abdullah Mohd Ajwad Mohd Ahyak Muhammad Ali Imran Abd Hamid Noreffendy Bin Tamaldin Mad Nasir Bin Ngadiman	Silver
13. Malaysia Technology Expo 2014 (MTE2014)	Emerging Lubrication Technology for Ball Bearings	Mohd Fadzli Bin Abdollah Hilmi Bin Amiruddin Abdul Rafeq Bin Saleman Noreffendy Bin Tamaldin Nor Azmmi Bin Masripan	Bronze

VII. Bilangan dan no. pendaftaran Harta Intelek yang dihasilkan
Quantity and registration number of Intellectual Property

1. Hybrid Dual Steering System- file submitted, OFI-not to pursue due to no market demand

VIII. Bilangan sitasi dan nama jurnal

Number of citation and name of journals : 103



noreffendy tamaldin

Universiti Teknikal Malaysia Melaka

Engine performance, Emission, Tribology, Engine instrumentation and monitoring

Verified email at utem.edu.my

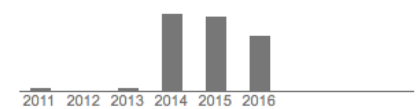


Google Scholar



Get my own profile

Citation indices	All	Since 2011
Citations	103	97
h-index	6	5
i10-index	2	2



Co-authors View all...

Mohd Fadzli Bin Abdollah; MFB Abdoll...

Hilmi Amiruddin

Muhammad Ilman Hakimi Chua Abdull...

Mohd Azman Abdullah

Nur Rashid Mat Nuri

Amir Khalid, Dr. Eng

Ahmad Kamal Mat Yamin

Title	1-20	Cited by	Year
Effect of hexagonal boron nitride nanoparticles as an additive on the extreme pressure properties of engine oil	MIHC Abdullah, MFB Abdollah, N Tamaldin, H Amiruddin, NR Mat Nuri	Industrial Lubrication and Tribology 68 (4)	2016
SIMULATION OF HYBRID ELECTRIC VEHICLE BASED ON A SERIES DRIVE TRAIN LAYOUT	MS Rahmat, F Ahmad, AKM Yamin, N Tamaldin, VR Aparow, ...	Jurnal Teknologi 78 (6)	2016
Effect of storage duration on the fuel properties of different biodiesel blends	N Tamaldin, F Harun, Y Humairak, MHM Husin, MFB Abdollah	Proceedings of Mechanical Engineering Research Day 2016 2016, 27-28	2016
Experimental Investigation of engine performance and emission for biodiesel at various storage conditions	N Tamaldin, AS Mohamad, Y Humairak, MHM Husin, MFB Abdollah	Proceedings of Mechanical Engineering Research Day 2016 2016, 25-26	2016

IX. Bilangan penerbitan dalam Jurnal Berimpak (scopus/ISI)

Number of publication in high index journals : 15

X. SENARAI UTAMA PENERBITAN (penerbitan jurnal/prosiding/buku sejak 2007 nyatakan impak faktor)

List of Major Publication (Please list publication since 2007- state the impact factor) – Please use Font Arial 9

1. Ilman Hakimi Chua Abdullah, M., Bin Abdollah, M.F., Amiruddin, H., Tamaldin, N., Rashid Mat Nuri, N. (2016) The Potential of Hbn Nanoparticles as Friction Modifier and Antiwear Additive in Engine Oil, *Mechanics and Industry*
2. Yusof, H., Tamaldin, N., Abdollah, M.F.B., Khalid, A. (2015) Evaluation of the storage effect on the fuel properties for variety biodiesel blends, *ARPN Journal of Engineering and Applied Sciences*
3. Ahmad, MH; Tamaldin, N; Yamin, AKM; Lee, SC.(2015) Experimental Validation of Single Cylinder Diesel Engine Using Engine Simulation Tools, *Mechanical Engineering Research Day, MERD2015, Scopus*, ISBN: 978-967-0257-51-8
4. Abdullah, M.I.H.C., Fadzli Abdollah, M., Amiruddin, H., Tamaldin, N., Mat Nuri, N.R. (2014) Effect of hBN/Al₂O₃ Nanoparticle Additives on the Tribological Performance of Engine Oil, *Jurnal Teknologi (Sciences and Engineering)*
5. Abdollah, M.F., Mazlan, M.A.A., Amiruddin, H., Tamaldin, N. (2014) Experimental Study On Friction And Wear Behaviors Of Ball Bearings Under Gas Lubricated Conditions, *Jurnal Teknologi (Sciences and Engineering)*
6. Mat Yasin, M.H., Mamat, R., Leman, A.M., Khalid, A., Tamaldin, N. (2014) Experimental Investigation On Biodiesel-Ethanol-Diesel Blends Operating With A Diesel Engine, *Applied Mechanics and Materials*
7. Tan, C., Khalil, S.N., Tamaldin, N., Chen, W., Rauterberg, G.W. (2014) A Knowledge-Based Industrial Robot Selection System For Manufacturing Industries, *International Review of Mechanical Engineering*
8. Abdullah, M.A., Tamaldin, N., Ramli, F.R., Sudin, M.N., Mu'in, M.A.M. (2014) Design And Development Of Low Cost All Terrain Vehicle (ATV) , *Applied Mechanics and Materials*
9. Abdullah, M.I.H.C., Abdollah, M.F.B., Amiruddin, H., Hassan, M., Rafeq, S.A. (2014) Effect of hBN/Al₂O₃ Nanoparticles On Engine Oil Properties, *Energy Education Science and Technology Part A: Energy Science and Research*
10. Abdullah, M.I.H.C., Abdollah, M.F.B., Amiruddin, H., Hassan, M., Rafeq, S.A. (2014) Improving Engine Oil Properties By Dispersion Of Hbn/Al₂O₃ Nanoparticles, *Applied Mechanics and Materials*
11. Nasir, M.Z.M., Dwijotomo, A., Abdullah, M.A., Tamaldin, N. (2014) Development Motor Control Unit For Electronic Steering System Test Rig, *Proceedings -IEEE 10th International Colloquium on Signal Processing and Its Applications, CSPA 2014*

12. Abdullah, M.A., Tamaldin, N., Ramli, F.R., Sudin, M.N., Mohamed Muslim, A.M. (2014) Analysis Of The Chassis And Components Of All Terrain Vehicle (ATV), *Applied Mechanics and Materials*
13. Kadir, F.A.A., Tamaldin, N., Ayob, M.R., Hudha, K., Yamin, A.K.M. (2014) Vehicle Speed Control Using Gain Scheduling PID With Experimental Throttle-In-The-Loop, *International Review on Modelling and Simulations*
14. Rahmat, M.S., Fauzi, A., Mansor, M.R., Yamin, A.K.M., Tamaldin, N. (2014) Design And Development Of Light Weight Engine Mounting For Utem Formula Varsity Race Car, *Applied Mechanics and Materials*
15. Abdullah, M.A., Mansur, M.R., Tamaldin, N., Thanaraj, K. (2013) Development Of Formula Varsity Race Car Chassis IOP Conference Series: Materials Science and Engineering
16. Abdullah, M.A., Tamaldin, N., Rusnandi, H., Manoharan, T., Samsir, M.A. (2013) Development And Modification Of A Single Overhead Camshaft 4-Valve 4-Stroke 135 Cc Formula Varsity Race Car Engine, IOP Conference Series: Materials Science and Engineering
17. Rahmat, M.S., Ahmad, F., Yamin, A.K.M., Aparow, V.R., Tamaldin, N. (2013) Modelling And Torque Tracking Control Of Permanent Magnet Synchronous Motor For Hybrid Electric Vehicles, *International Journal of Automotive and Mechanical Engineering*
18. Tamaldin, N., Yamin, A.K.M., Abdollah, M.F.B., Amiruddin, H., Abdullah, M.A. (2013) Design Optimization Of Thermal Management System For Electric Vehicle Utilizing CFD Analysis, DFMEA And CES, *Procedia Engineering*
19. Abdullah, M.I.H.C., Abdollah, M.F.B., Amiruddin, H., Tamaldin, N., Nuri, N.R.M. (2013) Optimization Of Tribological Performance Of Hbn/AL2O3 Nanoparticles As Engine Oil Additives, *Procedia Engineering*
20. Nazri, Z.H., Rody, M.Z.M., Abdollah, M.F.B., Tamaldin, N., Masripan, N.A.B. (2013) Elastohydrodynamics Lubrication For Bio-Based Lubricants In Elliptical Conjunction, *Procedia Engineering*
21. Khalid, A., Tamaldin, N., Jaat, M., Manshoor, B., Zaman, I. (2013) Impacts Of Biodiesel Storage Duration On Fuel Properties And Emissions, *Procedia Engineering*
22. Mohd Azman. Abdullah, **Noreffendy. Tamaldin**, Muhammad Khatib. Abdul Aziz, Ahmad Fadhli. Munawar, and Mad Nasir. Ngadiman, Increasing the Tire Life Span by Means of Water Cooling, Proceeding for International Conference on Manufacturing and Industrial Engineering (ICMIE'12), International Scientific Academy of Engineering & Technology (ISAET), Kuala Lumpur, Malaysia, (December 29th to 30th, 2012), Vol. 1, 89-91, 2012.
23. **Tamaldin, N.** and Abdollah, M.F., *Proposal for hybrid passive cooling system of batteries in electric vehicle*, Proceedings of The 3rd International Conference on Engineering and ICT 2012 (ICEI2012), Melaka, Malaysia, 4-6 April 2012.
24. **N. Tamaldin**, A. Dwijotomo, Vision Based Lane Detection For Automatic Steering Support System. Proceedings of The 3rd International Conference on Engineering and ICT (ICEI2012), Melaka, Malaysia, 4 – 6 April 2012
25. **N. Tamaldin**, M. A. Dzulkifli and R. Mamat, Investigation Of Engine Performance And Emission Level of Si Engine Running With Different Ron Fuel Grades, Proceeding of the 3rd International Conference on Engineering and ICT (ICEI2012), Melaka, Malaysia, 4 – 6 April 2012
26. M.F. Abdollah, N. Tamaldin, H. Amiruddin, M.M. Zamberi, M.R.M. Zin, S.E.M. Kamal, *Tribology related researches at Faculty of Mechanical Engineering, Universiti Teknikal Malaysia Melaka (UTeM), Proceedings of the Malaysia-Japan Tribology Meeting 2012, Kuala Lumpur, Malaysia, 27-28 August 2012.*
27. K. Hudha, M. H. Zakaria, **N. Tamaldin** (2011)-Hardware In The Loop Simulation Of Active Front Wheel Steering Control For Yaw Disturbance Rejection, *International Journal of Vehicle Safety (IJVS)*. Inderscience Publishers, Vol. 5, No. 4, 2011. ISSN 14793105 (**Impact Factor tier 4**)
28. A.J. Alimin, **N. Tamaldin**, R. Mamat, (2011)-Strategic Research Partnership on Automotive Powertrain & Fuels in Universiti Malaysia Pahang, Universiti Teknikal Malaysia Melaka & Universiti Tun Hussein Onn Malaysia, Malaysian Technical Universities International Conference on Engineering & Technology (MUiCET 2011)
29. Mamat, R., Abdullah, N. R. and **Tamaldin, N.**, *Emissions of a Single Cylinder Diesel Engine Operating with Ethanol*, "Engineering Mechanics & Transport 2010" (EMT-2010), LVIV, Ukraine, 25-27 November 2010.
30. Tamaldin, N., Roberts, C.A. and Benjamin, S.F., *Experimental Study of SCR in a Light-duty Diesel Exhaust to Provide Data for Validation of a CFD Model using the Porous Medium Approach*, SAE 2010-01-1177, SAE 2010 World Congress & Exhibition, SAE 2010 World Congress & Exhibition, Detroit, MI, USA, Session: Diesel Exhaust Emission Control: SCR, April 2010. DOI: 10.4271/2010-01-1177

XI. Keahlian Dalam Pertubuhan/Badan Profesional
Membership in The Association/Professional Body

- Ahli MCED (Malaysian Council of Engineering Dean) April 2013-April 2017
- Graduate member, **Board of Engineers Malaysia**, MALAYSIA (2002 ~ to date) BEM reg no 37951
- Graduate Member, **Institutions of Engineers Malaysia** registered since Jan 2013 IEM reg G58068
- Malaysian Tribology Society (**MyTribos**) registered since Jan 2013 reg no L0113
- American Society of Mechanical Engineers- Associate member 2000
- Pi Tau Sigma (Honor Society) Since 2000
- Senior Consultants KKTMKuantan Automotive Module (2011 – 2013)
- Senate Member- Universiti Teknikal Malaysia Melaka (2013 – current)
- Special Committee Human Resource Planning UTeMAutonomy Audit (2013 – 2014)
- Technical Committee UTeMIntellectual Properties 2014-2015
- Special Committee- UTeMAcademic Award-Journal Publications 2014
- Jury Panel for Melaka International Intellectual Exposition 2015 exhibition-MIEx2015, 8-9 Dec 2015, UiTM Alor Gajah.

XII. Senarai Penyeliaan Pelajar Pasca Siswazah (Sila senaraikan nama pelajar, tajuk dan peringkat pengajian semenjak 2005)
Supervisor for postgraduate students 2005-2009 (Please list their names, project title and status)

1. Mohd Hafidz bin Zakaria (**Main Supervisor-MSc by Research**), "Active Front Wheel Steering Control for Yaw Disturbance Cancellation", **Completed Sep 2014, Awarded Konvo-10 UTeM, 27 Sep 2014.**
2. Mohd Hafiszudin Ahmad, (**Main Supervisor-M.Eng by Taught Course**)-" Experimental Validation of Single Cylinder Diesel Engine for Improved Engine Performance and Emission" **Completed Sep 2015, Awarded Konvo-11 UTeM, 3 Oct 2015,**
3. Muhammad Luqman Hakim Abdul Rahman (**Co Supervisor-MSc by Research**)," Development Of Electronic Wedge Brake (EWB) System", **Completed Sep 2015, Awarded Konvo-11 UTeM, 3 Oct 2015**
4. Abdurrahman Dwijotomo (**Main-Supervisor-MSc by Research**), "Vision Based Lane Detection for Automatic Steering Support System", **Completed Sep 2015, Awarded Konvo-11 UTeM, 3 Oct 2015**
5. Noor Afandy Abas (**Main Supervisor-MSc by Research**)," Cylinder Deactivation Strategies for Hybrid Vehicle in Improving Fuel Economy and Exhaust Emission", this student is currently enrol for 2015/2016 session.
6. Humairak Mohamad Yusof (**Main Supervisor-MSc by Research**)," An effect of storage method and variant temperature on Bio-diesel Properties, Combustion Characteristics and Emission", this student is currently enrol for 2015/2016 session
7. Mohd Nazry Rosley (**Main Supervisor-MSc by Research**)," Hydrogen enrichment in diesel engine for improved fuel economy and emission reduction", this student is currently enrol for 2015/2016 session
8. Lee Shing Chuan (**Main Supervisor-MSc by Research**),"Experimental of engine performance and emission of Biodiesel extract from waste Materials", this student is currently enrol for 2015/2016 session.
9. Faizul Akmar Abdul Kadir, (**Main Supervisor-Phd by Research**), "Vehicle longitudinal dynamics control for stability and safety enhancement", this student is currently enrol for 2015/2016 session.
10. Mohd Zakaria Mohd Nasir (**Co-Supervisor-PhD by Research**), "Vehicle longitudinal dynamics control for stability and safety enhancement", this student is currently enrol for 2015/2016 session.
11. Aizuddin Fahmi bin Mohd Riduan (**Main Supervisor-MSc by Research**),"Correlation Of Ron 95 & Ron 97 Grade Fuel Properties To Engine Performance And Emission, this student is currently enrol for 2015/2016 session

XIII. Senarai External / Internal Examiner /VIVA Chairman Post Graduate Student

1. **Taib, M.,M.(2011)- External Examiner M.Sc., UTHM-Experimental Investigation on the Feasibility and Durability Study of a Novel Diesel Particulate Filter.**
2. **Iskandar Meran (2013)- Internal Examiner. MSc. UTeM-A Study On The Performance Of A Single Cylinder Spark Ignition Internal Combustion Engine Fuelled By Liquefied Petroleum Gas.**
3. **Mohammad Javad Nekooei (2015) External Examiner Phd, UTM-Combustion Modeling and Exhaust Emission Control by Fuzzy Logic Applied to Internal Combustion Engines. Nov 24,2015**
4. **Basirom, I. (2016) External Examiner MSc, Unimap-Mechanical Behaviour of Adhesively Bonded T-Joint at Elevated Temperature. March 4, 2016.**
5. **Suardi, M. (2016) External Examiner MSc, UTHM-Rapid Pre Mixing Fuel-Water Injector in Burner Combustion, Apr 17,2016.**

6. **Hazim Sharudin (2016) External Examiner MSc UiTM Shah Alam** - The Effect Of Iso-Butanol Additive In Methanol-Gasoline Blends On Engine Performance And Exhaust Emission Using Spark Ignition Engine. **May 16,2016**
7. **Ali Ghanaati (2016) External Examiner PhD UTM** – Real Time Fuel Octane Number Identification Using Soft Computing for Adaptive Spark Ignition Control, **May 29,2016**
8. **Abdul Muhaimin Mohd Shafie (2016) Internal Examiner MSc UTeM** - Analysis of Intake Flow in The Combustion Chamber of L-Head Engine Type. **June 15, 2016**
9. **Siti Nurfaezah Zahari (2015) Chairman, VIVA session MSc**- Feasibility Study of Artificial Disc Replacement Prostheses for Degenerative Disc Disease – March 2015
10. **Nurulhildi Zaedah binti Nasir (2016) Chairman VIVA MSc** – Fatigue Reliability & Fracture Toughness of Aluminum Alloy for Automotive Structural Components, **Apr 11,2016**

XIV. Journal/Conference/Book/Chapter Reviewer

1. International Journal of Modelling, Identification And Control (<http://www.inderscience.com/ijmic>) International Journal of Modeling, Identification and Control (IJMIC), 2010 Inderscience Publishers, UK.
2. International Conference on Mechanical Engineering Research (ICMER 2011), Dec 2011 Kuantan Pahang, Malaysia
3. The 3rd International Conference on Engineering and ICT (ICEI2012), Melaka, Malaysia, April 2012
4. The 4th International Graduate Conference on Engineering Science & Humanity 2013 (IGCESH2013) April 2013, UTM Skudai, Johor Bahru.
5. The Malaysian International Tribology Conference 2013 (MITC2013) K. Kinabalu, Sabah Nov 2013
6. Scientific Research and Essays www.academicjournals.org/SRE
7. Jurnal Teknologi, Penerbit UTM Press, www.jurnalteknologi.utm.my.
8. Journal of Mechanical Engineering Research Reviewer, 2014 <http://www.academicjournals.org/journal/JMER>
9. Handbook of Plain Bearing Translation – Malaysian Tribology Society - Mytribos 2014
10. Chapter in Book Reviewer, Hydrogen production plant from ocean Thermal Energy, UTM 2014
12. National Postgraduate Conference on Mechanical and Manufacturing Engineering (NPCMME 2014), Feb 19 - 20, 2014 in Morib, Selangor, Malaysia. <http://www.npcmme.org/>
13. Translator of Plain Bearing Handbook, Malaysian Tribology Society, (MYTRIBOS), Japan Plain Bearing Standard Association (JPBSA) and Malaysia-Japan International Institute of Technology (MJIT) March 2014.
14. Reviewer Special Issue in Jurnal Teknologi-TMAC Symposium 2016 (E ISSN 2180-3722)

XV. Invited Speaker

1. Smart Automotive Climate Control 2012, Wiesbaden Germany, 22-24 October 2012
2. Program Hari Inovasi, Kolej Komuniti Wilayah Melaka dan Negeri Sembilan, October 2012
3. Program Hari Inovasi, MRSM Kem Terendak, Melaka, Proton EV Design, 8 August 2012
4. DFMA Course- EFGO Scientific Sdn Bhd- to R&D and New Product Engineers at Inari Technology Sdn. Bhd, June 2012
5. Seminar Hybrid Technology in Malaysia, Challenges in Handling and Maintenance, ADTEC Melaka 28 May 2014
6. Keynote speaker, Automotive Hybrid Technology Seminar 2014. ILPKL, August 2014.
7. Invited Speaker, Tribological impact of CI engine piston rings under different blend ratio biodiesel. MITC 2015, Penang 14-16 Nov, 2015.
8. Invited Speaker, Malaysia Japan International Symposium on Tribology Technology 2016, -Current and Future Trends of Bio-Diesel In Malaysia, 4 Feb 2016.
9. Invited Speaker, MRSM Terendak, Alumni-Academic Excellency Program, 22 Feb 2016

XVI. External Examiner / Academic Program Development

1. Curriculum development for **Bachelor of Mechanical Engineering (Automotive)** with Honours UTeM –since 2004
2. Curriculum development for **Bachelor of Mechanical Engineering Technology (Automotive Technology)** with Honours- UTeM Technology program 2010-2011
3. Curriculum advisor for **Bachelor of Mechatronics Engineering- Faculty of Electrical Engineering, UTeM 2004**
4. Curriculum Development for **Diploma in Manufacturing Engineering (Automotive Design) KKTM Kuantan**
5. Final Examination Reviewer for **KKTM Kuantan-Diploma in Manufacturing (Automotive Design) -2012**
6. Automotive Equipment **Consultant, KKTM Kuantan, 2012-present**
7. OBE Advisor for MQA curriculum review-**Diploma Automotive Technology, Adtec Melaka, 2012**
8. External Examiner for **Diploma in Automotive Technology, Kolej Negeri Chedang, Seremban, N.Sembilan, 2014**
9. Member Board of Studies- **Mechanical-Automotive Engineering Program for Kuliyah of Engineering, IIUM Dec 2014- Nov 2016**
10. Curriculum Validation Panel- Diploma Automotive Technology (Commercial Vehicle) Kolej Kommunity, JPKK Putrajaya June 28, 2016