

BRIEF CV



M.M.Noor, Senior Lecturer,
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Brief Profile

He worked at Sony EMCS (M) Sdn. Bhd. for about 12 years. His responsibility include division budget, business strategy and mid-range plan. Lead auditor for ISO9000, ISO14000, OHSAS18000 and Integrated Management System (QESH). He is an active researchers and consultant. He has published more than 200 papers in international scholarly journals and conference and holds few patents. He is a member of editorial board and founder for International Journal of Automotive & Mechanical Engineering (IJAME), and editorial board and technical reviewer for few other international journals and a conference committee.

Working Experiences / Appointment

1. Mar 2009 ~ Oct 2010 Deputy Dean (Research & Postgraduate Studies), FKM, Universiti Malaysia Pahang.
2. Nov 2009 ~ Dec 2009 Director (Acting), Automotive Excellence Centre, UMP.
3. Dec 2007 ~ Feb 2009 Department Head (Automotive Engineering) FKM, UMP.
4. Jun 1995 ~ Dec 2006 Department Manager, Production and R&D, Sony EMCS (M) Sdn. Bhd., Selangor

Professional Qualification / Membership / Affiliation / Experience

A) Membership of Professional Body

1. Graduate Engineer, Board of Engineer, Malaysia (BEM No. 51384A)
2. Member, The Combustion Institute Australian & New Zealand Section (CI ANZ).
3. Member, American Society of Mechanical Engineer, (ASME No. 100021844)
4. Fellow Researcher, UMP Automotive Excellent Centre. (AEC)
5. Senior Member, International Association of Computer Science & Information Technology (IACSIT-80336675)
6. Member, Malaysian Society of Engineering and Technology (mSET No. 00240)
7. Member, European Scientific Association of Material Forming (ESAFORM)

B) Professional Experience

1. CIDB Construction Trainer/Lecturer Accredited Level:LLT4 – Malaysia Green Card, (CIDB No. C81230320090064).
2. Certified Lead Auditor, QMS, ISO9000, EMS, ISO14000, OSHMS, OHSAS18000, since 1997 and IMS (2004)
3. Certified Black Belts, Six Sigma Black Belts (Sony Corporation), since 2003.
4. Expert Panel for Faculty of Manufacturing Engineering and Faculty Science and Technology Industry.
5. Judge/Panel Evaluator for Fac. of Mechanical Engineering Solidwork Competition, Mar 2009.
6. Panel Interviewer for Malaysian Government Scholarship, 2009 & 2010.
7. Panel Evaluator/Supervisor for New Lecturer's Instructional Practice, 2009 & 2010.
8. Judge, Ministry of Higher Education, International Exposition of Research and Dev. of Institute of Higher Learning, (PECIPTA'09), 2009.
9. Panel Chair, UMP PhD Proposal Confirmation of Candidature, 2009 & 2010.
10. Malaysian Qualification Agency (MQA) Panel Auditor for Engineering, 2009 ~ 2012.
11. Standing Committee, mSET Admission, Accreditation, Examination & Certification (mSET EAEC), since 2009.
12. Panel Member, UMP Pre-PPSM Interview for PhD Candidate, 2010.
13. Lead Judge for Research & Innovation Competition, 1-3 Oct, 5th UMP Convocation Exhibition, 2010.

C) Journal and Proceedings Editorial Board

1. International Journal of Automotive & Mech. Eng. (IJAME), (Founder & Assoc. Editor in Chief), since 2009.
2. International Journal of Vehicle Structures & Systems (IJVSS), India. 2009~2012
3. International Journals of Engineering & Sciences (IJENS)
4. International Journal of Engineering, Science and Technology (IJEST)
5. American Journal of Scientific and Industrial Research (AJSIR)
6. 1st National Conference of Post Graduate Research (NCON-PGR 2009), Malaysia
7. 1st National Conference in Mechanical Eng. for Research & PG Studies, (NCMER 2010), Malaysia
8. 2nd Malaysian Postgraduate Conference (MPC2012), Australia

D) Technical Editor and Journal / Paper Reviewer (Review more than 430 papers)

1. International Journal of Hydrogen Energy, (IJHE), Elsevier
2. Applied Energy (APEN), Elsevier
3. Renewable & Sustainable Energy Reviews (RSER), Elsevier
4. Journal of Material and Design (JMAD), Elsevier

5. Journal of Scanning Microscopies (SCANNING), Wiley
6. International Journal of Exergy (IJEX), Inderscience
7. Society of Automotive Engineers (SAE) 2011 World Congress & Exhibition, SAE International.
8. Institute of Engineers, Malaysia. (IEM) Journal, Malaysia.
9. Journal of Zhejiang University-Science A (JZUSA), Springer.
10. International Journal of Advanced Manufacturing Technology (IJAMT), Springer.
11. International Journal of Engineering, Science and Technology (IJEST).
12. IEEE Transactions on Neural Networks, IEEE.
13. WSEAS Transactions on Mathematics, WSEAS
14. Journal of Science & Technology (JST): Pertanika UPM, Malaysia.
15. Scientific Research and Essay (SRE), Academic Journals.
16. International Journal of Engineering and Technology, (IJET)
17. International Journal of Engineering, (IJE).
18. International Journal of Environmental Protection (IJEP)
19. International Journal: Materials Science Forum, (MSF)
20. International Journal of Engineering Education, (IJEE) Ireland.
21. World Academy of Science, Engineering and Technology, (WASET)
22. Int. Conf. on University Learning and Teaching (InCULT 2008), 20~21Oct, UiTM Shah Alam, Malaysia.
23. International Conference on Software Engineering and Computer Systems (ICSECS 2009), 19~21Oct, Swiss Garden Resort & Spa, Kuantan, Pahang, Malaysia.
24. International Conference on Advances in Recent Technologies in Communication and Computing, (ARTCom 2009), 27~28 Oct, IEEE-Computational Intelligence Society, India
25. Int. Conf. on Advance Material Processing Technology (AMPT'09), 26~29 Oct, Legend Hotel, Kuala Lumpur, Malaysia.
26. World Congress on Engineering (WCE 2010), 30 June - 2 July, London, U.K.
27. International Multi-Conf. of Engineers and Computer Scientists (IMECS 2010), 17-19 March, Hong Kong.
28. World Congress on Engineering and Computer Science (WCECS2010), 20-22 Oct, San Francisco, USA.
29. 4th World Engineering Congress 2010 (WEC2010), Conference on Aerospace and Mechanical Engineering, 2~5 August, Kuching, Sarawak, Malaysia.
30. 2nd Int. Conf. on Plant Equipment and Reliability (ICPER 2010), 15-17 Jun, KLCC, Malaysia. 2010.
31. 2010 International Conference on Informatics, Cybernetics, and Computer Applications (ICICCA2010), 19~21 Jul, Jain University, Bangalore, India, 2010.
32. Int. Conf. on Digital Content, Multimedia Technology and its App. (IDC2010), 16~18 Aug, Seoul Korea, 2010.
33. 3rd Int. Conf. on Information Sc. and Interaction Sciences (ICIS 2010), 23-25 June, Chengdu, China, 2010.
34. 7th Int. Conf. on Cooperative Design, Visualization & Eng. (CDVE2010), Mallorca, Spain, Sept. 19-22, 2010.
35. 6th Int. Conf. on Networked Computing & Adv. Information Mgmt (NCM2010), 16~18Aug, Seoul Korea, 2010.
36. The 4th World Engineering Congress 2010 (WEC2010), Conference on Engineering and Technology Education, 2~5Aug 2010, Kuching, Sarawak, Malaysia.
37. 2nd Int. Conf. on Next Generation Information Technology (ICNIT 2011), 21~23 Jun, 2011, Gyeongju, Korea.
38. 2nd International Conference on Advanced Science, Engineering & Information Technology (ICASEIT2011), 12-13 Dec 2011, Universiti Kebangsaan Malaysia.
39. 14th WSEAS Int. Conf. on Mathematical Methods, Computational Techniques and Intelligent Systems (MAMECTIS2012), July 1-3, Porto, Portugal.
40. Int. Conf. on Mathematical Models for Eng. Science (MMES2012) Conference, December 2-4, Paris, France.
41. Int. Conf. on Agricultural, Food and Biological Engineering (ICAFBE 2012), 11 - 13 May, Guangzhou, China.
42. 10th International Conf. on Fluid Mechanics & Aerodynamics (FMA 2012), 21-23 Aug, Istanbul, Turkey.
43. 6th WSEAS Int. Conf. on Renewable Energy Sources (RES 2012), 1-3 Jul, Porto, Portugal.
44. Int. Conf. on Statistical in Science, Business and Eng. (ICSSBE2012), 10th - 12th Sept, Langkawi, Malaysia.
45. 14th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE2012), 7-9 September, Malta
46. 3rd International Conference on Engineering Industry (ICEI) 2012, 3-5 Dec, Seoul, Korea.
47. 10th Int. Conf. on Mathematical Biology and Ecology (MABE2013), Milan, Italy, 9-11 Jan, 2013.
48. 12th Int. Conf. on Applications of Electrical Eng. (AEE2013), Cambridge, MA, USA, 30 Jan – 1 Feb, 2013.
49. International Conference on Applied Energy, ICAE 2013, Pretoria, South Africa, Jul 1-4, 2013.
50. 2nd International Conference on Vouliagmeni - Applied and Computational Mathematics (ICACM 2013), May 14-16, Vouliagmeni, Athens, Greece
51. 2nd International Conference of Mechanical Engineering 2013, 1-3 July, Kuantan, Pahang.
52. International Conference on Advanced Material Engineering & Technology (ICAMET 2013), 28-29 Nov, Bandung, Indonesia.
53. 1st International Conference on Industrial and Manufacturing Technologies (INMAT '13), Vouliagmeni, Athens, Greece, May 14-16, 2013
54. 1st International Conf. on Computational Science and Engineering (CSE 2013), August 6-8, Valencia, Spain
55. 6th International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS 2013), June 1-3, Brasov, Romania.
56. International Conference on Circuits, Systems, Communications, Computers and Applications (CSCCA2013), June 25-27, 2013, Dubrovnik, Croatia.

57. 15th International Conference on Automatic Control, Modeling & Simulation (ACMOS 2013), Brasov, Romania, June 1-3, 2013
58. 14th International Conference on Automation & Information (ICAI2013) Valencia, Spain, August 6-8, 2013

E) Conference & Others Professional Experience.

1. Session Chairperson & Reviewer, International Conference on Advance Material Processing Technology (AMPT'08), 2-5 Nov, Gulf International Convention Center, Manama, Kingdom of Bahrain, 2008.
2. Session Chairperson, 2nd Regional Engineering Conference on Sustainable Engineering Infrastructures Development & Management (ENCON'08), 18-19 Dec 2008, Crown Plaza Riverside Hotel, Kuching, Sarawak, Malaysia, 2008.
3. Session Chairperson, Reviewer & Exhibitor, Malaysian Technical Universities Conference and Exhibition on Engineering and Technology (MUCEET'09), 20~22Jun, MS Garden, Kuantan, Pahang, Malaysia, 2009.
4. Conference Chairman – Organizing Committee and Session Chairperson, National Conference of Post Graduate Research (NCON-PGR 2009), 1st Oct 2009, UMP.
5. Tech. Committee, Reviewer & Panel Expert, UMP/USM Post Graduate Research Conference (PGRC 2009), Dec'09, UMP.
6. Committee Member, International Conference on Networked Computing (INC2010), Korea.
7. Technical Committee, 4th World Engineering Congress 2010 (WEC2010), Conference on Aerospace and Mechanical Engineering (CAME), 2~5 August, Kuching, Serawak, Malaysia.
8. International Program Committee, The Third International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2010), 12~14 Jul, Fatih University, Istanbul, Turkey, 2010.
9. Conference Co-Chairman, National Conference in Mechanical Engineering for Research & Postgraduate Studies, (NCMER 2010), 26~27 May 2010, UMP.
10. Committee Member, 4th International Conference on New Trends in Information Science and Service Science (NISS 2010). 11~13 May, Gyeongju, Korea.
11. Committee, 6th Int. Conf. on Adv. Information Mgmt and Service (IMS2010), 30Nov~2Dec, Seoul, Korea.
12. Conference Co-Chairman, 2nd National Conference in Mechanical Engineering for Research & Postgraduate Studies, (2nd NCMER 2010), 3~4 Dec 2010, UMP.
13. National Committee, Int. Conf. on Adv. Manufacturing (ICAM2011), TATI University College (TATIUC). 23~24 May 2011.
14. Program Committee and Reviewer. 7th International Conference on Digital Content, Multimedia Technology and its Applications (IDCTA 2011), 16~18 August 2011, Busan, Korea.
15. Program Committee and Reviewer. The 2nd International Conference on Advancements in Computing Technology (ICACT2011), Nov. 29 ~ Dec. 1, 2011. Jeju Island, Korea.
16. Program Committee and Reviewer, 7th International Conference on Networked Computing & Advanced Information Management (NCM2011), 21~23 Jun, Gyeongju, Korea, 2011.
17. Program Committee and Reviewer. The 2nd International Conference on Engineering & Industries (ICEI2011), Nov. 29 ~ Dec. 1, 2011. Jeju Island, Korea.
18. Program Committee and Reviewer, The 3rd International Conference on Data Mining and Intelligent Information Technology Applications (ICMIA2011), October 24 - 26, 2011, Venetian, Macau.
19. Program Committee and Reviewer, The 4th International Conference on Information Sciences and Interaction Sciences (ICIS 2010), 23-25 June, Chengdu, China.
20. Program Committee and Reviewer, 6th International Conference on Computer Sciences and Convergence Information Technology, (ICCIT2011), Nov. 29 ~ Dec. 1, 2011. Jeju Island, Korea.
21. Program Committee and Reviewer, 8th International Conference on Computing and Network Technology (ICCNT2012), Aug 27~28, 2012, Gyeongju, Korea.
22. Scientific Committee, 5th WSEAS International Conference on Finite Differences - Finite Elements - Finite Volumes - Boundary Elements (F-and-B '12), 24-26 Sept, Prague, Czech Republic.
23. Scientific Committee, 8th WSEAS International Conference on Applied And Theoretical Mechanics (MECHANICS '12), 29-31 Dec, Montreux, Switzerland.
24. Program Committee and Reviewer, 7th International Conference on Computer Sciences and Convergence Information Technology, (ICCIT2012), Dec 3~5, 2012, Seoul, Korea
25. Program Committee and Reviewer, 8th ICIDT: 2012 International Conference on Information Science and Digital Content Technology (5th ICIS and 8th IDCTA), ICIDT2012: June 26 - 28, 2012, Jeju Island, Korea.
26. Program Committee and Reviewer, 8th International Conference on Computing Technology and Information Management (NCM and ICNIT), ICCM2012, April 24 - 26, 2012, Seoul, Korea.
27. Scientific Committee, 3rd European Conf. of Mechanical Engineering (EMCE2012), 2-4 Dec, Paris, France.
28. Program Committee and Reviewer, 17th ISSDM: 2012 International Conference on New Trends in Information Science, Service Science and Data Mining (6th NISS, 4th ICMIA), ISSDM2012: Oct 23~25, 2012, Taipei, Taiwan
29. Program Committee and Reviewer, 8th ICIPT2012, International Conference on Information Processing, Management and Intelligent Information Technology (8th ICIPM and 2nd ICIIP), ICIPT2012, September 18~20, 2012. Kyoto, Japan.
30. Scientific Committee, 3rd European Conference of Systems (ECS2012), 2-4 Dec, Paris, France.
31. Scientific Committee, 3rd International Conference on Automotive and Transportation Systems (ICAT2012), 29-31 Dec, Montreux, Switzerland.

32. Program Committee and Reviewer, International Conference on Advanced Material Engineering & Technology (ICAMET 2012), 28-30Nov, Penang Malaysia.
33. Scientific Committee, 16th Int. Conf. on Systems (part of CSCC2012), 14-16 July, Kos Island, Greece.
34. Program Committee and Reviewer, 17th North-East Asia Symposium on Nano, Information Technology and Reliability (NASNIT) 2012, 23-25 Oct., Taipei, Taiwan
35. Scientific Committee, 1st International Conference on Probability and Statistics (PROS2013), 14-16 May, Vouliagmeni, Athens, Greece.
36. Scientific Committee, 4th International Conf. on Theoretical and Applied Mechanics (TAM2013), 30 Jan - 1 Feb, Cambridge, MA, USA
37. Scientific Committee, 10th International Conf. on Fluid Mechanics (FLUID2013), 9-11 Jan, Milan, Italy.
38. Scientific Committee, 7th International Conference on Applied Mathematics, Simulation, Modeling (ASM2013), 30 Jan - 1 Feb, Cambridge, MA, USA.
39. Program Scientific Committee, International Conference on Heat Transfer, Thermal Engineering and Environment (HTE2013), 14-16 May, Vouliagmeni, Athens, Greece.
40. Scientific Committee, 7th Int. Conf. on Computer Eng. and Applications (CEA2013), 9-11 Jan, Milan, Italy.
41. Program Scientific Committee, 11th Int. Conf. on Fluid Mech. & Aerodynamics (FMA2013), 14-16 May, Vouliagmeni, Athens, Greece.
42. Scientific Committee, 10th Int. Conf. on Heat and Mass Transfer (HMT2013), 9-11 Jan, Milan, Italy.
43. Program Committee, 1st International Conference on Mechanical and Robotics Engineering (MREN2013), 14-16 May, Vouliagmeni, Athens, Greece.
44. Technical Committee Chair, 2nd Malaysian Postgraduate Conference (MPC2012), 7-9 Jul, Bond University, Gold Coast, Queensland, Australia
45. 12th WSEAS International Conference on Non-Linear Analysis, Non-Linear Systems and Chaos (NOLASC 2013), 16-18 March, Lemesos, Cyprus
46. Scientific Committee 12th WSEAS International Conference on System Science and Simulation in Engineering (ICOSSE 2013) 23-25 April, Morioka City, Iwate, Japan.
47. Scientific Committee 4th International Conference on Fluid Mechanics and Heat & Mass Transfer (FLUIDHEAT2013), June 25-27, 2013 Dubrovnik, Croatia
1. Reviewer and Advisory Committee, 3rd International Malaysia-Ireland Joint Symposium on Engineering, Science and Business (IMiEJS) 2013, 11-13 Jun, Athlone Institute of Technology, Athlone Ireland
48. Scientific committee and reviewer, International Conference on Mechanical and Robotics Engineering (MREN '13), Vouliagmeni, Athens, Greece, May 14-16, 2013
49. Scientific Committee and Reviewer, 4th European Conf. of Systems (ECS2013), 29-31 Oct, Paris, France.
50. Scientific Committee and Reviewer, 1st International Conference on COMPUTATIONAL and EXPERIMENTAL MECHANICS (CEM2013), June 25-27, 2013, Dubrovnik, Croatia,
51. Scientific Committee and Reviewer, 4th European Conference of MECHANICAL ENGINEERING (ECME2013), Oct 29-31, 2013Paris, France.
52. Program Committee and Reviewer, 9th International Conference on Computing Technology and Information Management (NCM and ICNIT), ICCM 2013, 18-20Jun, Jeju, Korea.

Teaching Experience (Course Coordinator (c))

1. FEB 2013/2014
MEC2101 Thermodynamics, 4 credits (USQ Tutor) (100 Students)
2. SEPT 2012/2013
ENG3103 Engineering Problem Solving Computations, 4 credits (USQ Tutor) (240 Students)
3. FEB 2012/2013
MEC2101 Thermodynamics, 4 credits (USQ Tutor) (100 Students)
MEC4104 Energy Technology, 4 credits (USQ Tutor) (50 Students)
4. SEPT 2011/2012
ENG3103 Engineering Problem Solving Computations, 4 credits (USQ Tutor) (220 Students)
5. FEB 2011/2012
MEC2101 Thermodynamics, 4 credits (USQ Tutor) (100 Students)
MEC3102 Fluid Mechanics, 4 credits (USQ Tutor) (100 Students)
6. JUL 2010/2011
BMF4753 Quality Engineering, 3 credit (70 Students)
DMM2932 Mechanical Technology Lab 3, 2 credit (70 Students)
BMM3923 Final Year Project 2, 4 credits (7 Students)
7. DEC 2009/2010
BMF4703 Production Planning Control (c), 3 credits (70 Students)
BMM2523 Thermodynamics 2, 3 credits (250 Students)

- BMM2011 Occupational Safety and Health, OSHA, 1 Credit (250 Students)
 BMM3912 Final Year Project 1, 2 credits (4 Students)
 BMM4999 Industrial Training, 9 credits (3 students)
 BMM4993 Industrial Training Report, 3 credits (3 students)
8. JUL2009/2010
 BMF4703 Production Planning Control (c), 3 credits (70 Students)
 BMM1011 Fundamental of Engineering (c), 1 credit (240 Students)
 BMM1523 Engineering Material, 3 credits (240 Students)
 BMM2513 Thermodynamics 1, 3 credits (261 Students)
 BMM3923 Final Year Project 2, 4 credits (11 Students)
9. MAY 2008/2009 (Short Semester)
 BMM2523 Thermodynamics 2 (c), 6 credits (20 Students)
10. DEC 2008/2009
 BMM3633 Industrial Engineering (c), 3 credits (220 Students)
 BMM2523 Thermodynamics 2, 3 credits (240 Students)
 BMM3912 Final Year Project 1, 2 credits (11 Students)
 BMM3923 Final Year Project 2, 4 credits (1 Students)
 BMM4999 Industrial Training, 9 credits (6 students)
 BMM4993 Industrial Training Report, 3 credits (6 students)
11. JUL2008/2009
 BMM1523 Engineering Material (c), 3 credits (3+0) (240 Students)
 BMM3613 Automatic Control (c), 3 credits (220 Students)
 BMM3923 Final Year Project 2, 4 credits (9 Students)
 BMM4999 Industrial Training, 9 credits (9 students)
 BMM4993 Industrial Training Report, 3 credits (9 students)
12. MAY 2007/2008 (Short Semester)
 BMM2513 Thermodynamics 1, 6 credits (35 Students)
13. DEC 2007/2008
 BMM2523 Thermodynamics 2 (c), 3 credits (225 Students)
 BMM3912 Final Year Project 1, 2 credits (16 Students)
 BMM4999 Industrial Training, 9 credits (8 students)
 BMM4993 Industrial Training Report, 3 credits (8 students)
14. JUL 2007/2008
 BMM1523 Engineering Material (c), 3 credits (200 Students)
 BMM3923 Final Year Project 2, 4 credits (9 Students)
 BMM4999 Industrial Training, 9 credits (3 students)
 BMM4993 Industrial Training Report, 3 credits (3 students)
15. MAY 2006/2007 (Short Semester)
 BMM2523 Thermodynamics 2 (c), 6 credits (65 Students)
16. DEC 2006/2007
 BMM2523 Thermodynamics 2 (c), 3 credits (210 Students)
 BMM3912 Final Year Project 1, 2 credits (9 Students)
 BMM4999 Industrial Training, 9 credits (7 students)
 BMM4993 Industrial Training Report, 3 credits (7 students)

Post Graduate Supervision

1. Emi Hafizzul Jamaluddin (MM09001), Master of Engineering (Mechanical), The Analysis of Mean Time between Failures (MTBF) of Valve at Pneumatic Ilmenite Transfer System, Jul'2008, Main Supervisor. (In progress).
2. Khalaf Ibraheem Hamada, (PMA08003), PhD (Automotive), Study of Hydrogen Fuelled Internal Combustion Engine Heat Transfer, December 2008, Co-Supervisor. (Completed).
3. Nurul Hidayah, (MMM10002), Performance Analysis on Minimum Quantity Lubricant on Milling Machining, Co-Supervisor. (Completed).
4. Hemin Mohammed Mohy Al-Deen, (MMM08001), Master of Engineering (Mechanical), Robust Design of Suspension Arm, December 2008, Co-Supervisor. (Completed).

5. Karrer M. Kadum, Master of Engineering, Study the Effect of Polymer Blending on The Physical Properties, Main Supervisor, MSc Student Attachment from University of Technology, Baghdad, Iraq,, May ~ Aug 2010. (Completed)
6. Safaa Hussain Ali Al-Okaidi, PhD (Mechanical), Modelling the Fatigue Behaviour of Shot Penned Aluminium Alloy under Variable Stress Range Conditions, Main Supervisor, PhD Student Attachment, from University of Technology, Baghdad, Iraq, June ~ Dec 2010. (Completed).

Degree Final Year Project Supervision

No.	Academic Year	Name of Student	Student ID	Title of Project
1	2009 – 2010	Mohd Fahmi Md Yusuf	MA07079	Design & Modification of Laptop Using DFMA (Design for Manufacturing Assembly)
2	2009 – 2010	Ismail Ab.Ilah	MA07008	A Numerical Study on the Effect of Gasoline-Hydrogen Fuel Blend on Engine Power
3	2009 – 2010	Amin Abidin Buran	MA07064	Design & Modification of DVD Player Using DFMA (Design for Manufacturing Assembly)
4	2009 – 2010	Noor Hizam Dzulkharnain Mohd Hassan	MA07036	A Numerical Study on the Effect of Gasoline-Hydrogen Fuel Blend on Engine Power
5	2009 – 2010*	Ruzaimi Zainon	ME07026	Optimisation of Surface Roughness in Milling using Partial Swarm Optimization (PSO)
6	2009 – 2010*	Mohd Faizal Aziz	ME05044	Optimisation of Tool Life in Milling using Radial Basis Function Network (RBFN)
7	2009 – 2010*	Syahrizad Muhamad	ME07040	Optimisation of Torque in Milling using Neural Network (NN)
8	2009 – 2010*	Mohd Aizuddin Mat Alwi	ME07017	Optimisation of Power in Milling using Support Vector Machine (SVM)
9	2009 – 2010*	Mohd Ezuwanizam Masral	ME08008	Optimisation of Cutting Force in Milling using Ant colony Optimisation (ACO)
10	2008 – 2009	Mohd Hasrul Naim Md Rahim	MH07005	Design and Develop A New Simple Auto Tire Nut Opener Powered By Internal Car Power
11	2008 – 2009	Asmahani Abd Kadir	MA06048	A Numerical Study on the Effect of Gasoline-Hydrogen Fuel Blend on Engine Power and Torque
12	2008 – 2009	Mohd Aswad Abd Wahab	MA06064	Effect of Heat Transfer for The Shock Tubes Through Finite Element Analysis
13	2008 – 2009	Mohd Aiman Ismail	MA06059	Experimental Study of The Laser Beam Cutting (LBC) Using Neural Network Analysis
14	2008 – 2009	Faris Suffian	MA06019	Experimental Study of the Heat Affected Zone (HAZ) and Surface Roughness by Laser Beam Cutting (LBC) on Acrylic Sheet and Aluminium Sheet.
15	2008 – 2009	Mohamad Yazid Idris	MA06042	Experimental Study of The Kerf Width and Taper on Laser Beam Cutting (LBC) on Acrylic Sheet
16	2008 – 2009*	Muhamad Nazumi Basuki	ME06063	Optimization of Surface Roughness and Cutting Force When Milling P20 Tool Steel
17	2008 – 2009*	Mohd Yazid Abu	ME06033	Prediction of Surface Roughness and Cutting Force When Milling P20 Tool Steel With Dry Cutting
18	2008 – 2009*	Afiq Zainorul Zainal	ME06040	Development of First and Second Order Tool Life Model When Machining P20 Tool Steel
19	2008 – 2009*	Mohd Zamri Ja'afar	ME07005	Development of Third Order Tool Life Model When Machining P20 Tool Steel With Dry Cutting
20	2008 – 2009*	P Vinoth S Parawakaran	ME06042	Aspects of Wear Mechanism of Carbide Tools When Machining P20 Tool Steel
21	2007 – 2008	Muhammad Aliff Bin Abdul Manan	MA05085	Numerical Study on Fatigue Life of Spot Welded

22	2007 – 2008	Hasbullah Bin Ishak	MA05008	Experimental Study on Fatigue Life of Spot Welded
23	2007 – 2008	Mohd Zaim Bin Din	MA05024	Experimental Study on Fatigue Life of Spot Welded
24	2007 – 2008	Amir Iskandar Bin Ariffin	MA05062	Design and Develop Auto Car Jacker Power by Internal Car Power
25	2007 – 2008	Shahrul Alam Bin Yusoff	MA05040	Quality, Environment, Safety and Health Management System
26	2007 – 2008	Norsyuhada Binti Taib	MA05007	Study on Six Sigma Application In Industry To Increase Productivity
27	2007 – 2008	Mohamad Ridhwan Bin Ruslan	MA05092	Failure Analysis of Drive Shafts
28	2007 – 2008	Ahmad Hafiz Bin Zainuddin	MA06010	Development of Alternative Rotary Motion Force Converter for Electric Generator Uses
29	2007 – 2008	Md. Zaiful Bin Mokhtar	ME06075	Development of Alternative Rotary Motion Force Converter for Force Generator Uses
30	2007 – 2008*	Mohd Arif B. Mokti	ME05046	A Surface Roughness Prediction Model for Laser Beam Cutting (LBC) on Acrylic Sheets
31	2007 – 2008*	Mohd. Fadyad bin Mohamad Sabri	ME04021	Simulation of Gear Using Matlab
32	2007 – 2008*	Hong Kim Soon	MA05004	Prediction of Tire Friction for Automotive Industry
33	2007 – 2008*	Muhamad Muhaimin B Shaari	MA05035	Prediction of Tire Tread Deformation for Automotive Industry
34	2007 – 2008*	Mohd Fakhri Azizi Bin Jusoh	MA05072	Design A New Concept of Recycle Trash Bin
35	2007 – 2008*	Abdul Hadi bin Zakaria	ME04029	Vehicle Dynamic Analysis on In Campus Vehicle (IV) Through Simulation Tool
36	2007 – 2008*	Mohd Fauzani bin Mohd Nawil	MA04015	Simulation of Scavenged Two-Stroke Engine Using CFD
37	2006 – 2007	Tilakiswaran Samurgam	MC04023	Development of Battery Powered Tricycle
38	2006 – 2007	Mohd Muhaymin Bin Ismail	MC04010	Development of PCB Cutting Using Pneumatic System
39	2006 – 2007	Wan Mohd Azman Bin Wan Aziz	MA04014	Development of Smart Clamping Vise
40	2006 – 2007	Mohd Zaimatul Akmal Bin Abdullah	MH04012	Mathematical Analysis on Two Stroke Engine Uniflow Scavenging System
41	2006 – 2007	Raymond B. Joseph	MA04017	Development of The Charging System for Advance Integrated Roller Transportation Unit (AIR-T)
42	2006 – 2007	Andi Rahman Nur Bin Andi Rahim	MD04011	Design and Simulate Mixing of Pressurized CNG and Air Using A Mixing Device
43	2006 – 2007	Audi Bin Sya Rizal	MD04010	Design A CNG Mixer for A 1600 Cc Engine Air Requirement and Test The Air Flow By CFD Simulation
44	2006 – 2007	Shuhaizal Bin Mohd Noor	MH04021	Failure Analysis of Drive Shafts
45	2006 – 2007	Mohd Dzulqarnain Bin Shuhaimi	MD04018	Development of Compress Air Transportation (CAT) for Alternative Energy Utilization

List of Publications - Selected Journals and Proceeding Papers (more than 200 papers)

1. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2013, Detail Guide for CFD on the Simulation of Biogas Combustion in Bluff-Body MILD Burner, 3rd Malaysian Postgraduate Conference, 2-3 July, Sydney, Australia (Completed).

2. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2013, Discretization of Three Dimensional Non-uniform Grid Conditional Moment Closure Elliptic Equation using Finite Difference Method, 3rd Malaysian Postgraduate Conference, 2-3 July, Sydney, Australia (Drafting)
3. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2013, The Air Fuel Ratio Study for The Mixture of Biogas and Hydrogen on MILD Combustion Bluff-body Burner, 3rd Malaysian Postgraduate Conference, 2-3 July, Sydney, Australia (Drafting)
4. **M.M.Noor**, Talal F. Yusaf, Andrew P. Wandel, 2011 Study of Random Particle Interactions for Analysis of Diffusion Lengths in Turbulent Combustion Modelling, Australia Combustion Symposium (ACS), 29 Nov to 1 Dec, The University of Newcastle, Australia, Paper No. ACS2011-36, pp. 66-69.
5. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2013, The Development of MILD Burner Experimental Setup, 3rd Malaysian Postgraduate Conference, 2-3 July, Sydney, Australia (Drafting)
6. **M.M.Noor**, A.A. Hairuddin, Andrew P. Wandel, Talal F. Yusaf, 2011 Implementation of Conditional Moment Closure using Taylor Expansion and Finite Different Method, 1st International Conference of Mechanical Engineering Research (ICMER), 5-7 Dec, Malaysia, Paper No. ICMER2011-151
7. **M.M.Noor**, Andrew P. Wandel, Talal F. Yusaf, 2012 A Preliminary Study of Control Parameters for Open Furnace MILD Combustion using CFD, 2nd Malaysian Postgraduate Conference (MPC), 7-9 Jul, Bond University, Gold Coast, Australia, Paper No. MPC2012-16, pp. 46-60.
8. **M.M.Noor**, Andrew P. Wandel, Talal F. Yusaf, 2012 MILD Combustion: A Technical Review towards Open Furnace Combustion, 2nd Malaysian Postgraduate Conference (MPC), 7-9 Jul, Bond University, Gold Coast, Australia, Paper No.: MPC2012-28, pp. 79-100.
9. **M.M.Noor**, Andrew P. Wandel, Talal F. Yusaf, 2012 The Modelling of the Effect of Air Fuel Ratio on Unburned Hydrocarbons for MILD Combustion, 2nd Malaysian Postgraduate Conference (MPC), 7-9 Jul, Bond University, Gold Coast, Australia, Paper No. MPC2012-27, pp. 159-163.
10. **M.M.Noor**, Andrew P. Wandel, Talal F. Yusaf, 2012 The Study of Air Fuel Ratio for MILD Combustion of Biogas on Bluff-body Burner, Southern Regional Engineering Conference (SREC), Engineers Australia, 1-2 Sept, University of Southern Queensland, Australia, Paper No. SREC2012-01
11. **M.M.Noor**, Andrew P. Wandel, Talal F. Yusaf, 2012 Numerical Investigation of Influence of Air and Fuel Dilution for Open Furnace MILD Combustion Burner, Southern Regional Engineering Conference (SREC), Engineers Australia, 1-2 Sept, University of Southern Queensland, Australia, Paper No. SREC2012-02
12. **M.M.Noor**, A.A. Hairuddin, Andrew P. Wandel, Talal F. Yusaf, 2012 Modelling of Non-Premixed Turbulent Combustion of Hydrogen using Conditional Moment Closure Method, IOP: Materials Sc. and Eng., 36, Paper No. 012036, pp 1-17.
13. **M.M.Noor**, Andrew P. Wandel, Talal F. Yusaf, 2011 A Hybrid EMST-Modified Curl's Model for Turbulent Combustion Modelling, USQ Research Evening (Conference) 2011, 1 Nov, University of Southern Queensland, Australia, Poster ID: FoES-CESRC06 (USQ Poster - Finalist for Best Research).
14. **M.M.Noor**, Andrew P. Wandel, Talal F. Yusaf, 2012 Investigation of Open Furnace MILD Combustion of Biogas on Bluff-body Burner, USQ Combustion Meeting, 29 Aug, University of Southern Queensland, Australia
15. **M.M.Noor**, Andrew P. Wandel, Talal F. Yusaf, 2012 A Review of MILD Combustion and Open Furnace Design Consideration, Int. Journal of Automotive and Mechanical Engineering (IJAME) , 6, 730-754, (Scopus Indexed)
16. R.Mamat, R. Rahim, **M.M.Noor**, A.A. Abdullah, N.R. Abdullah, Effect of Different Injection Strategies on Engine Performance of a Diesel Engine Operating With Biodiesel: A Modelling Approach, 2nd International Conference of Mechanical Engineering Research (ICMER), 1-3 Jul, Malaysia (Submitted)
17. **M.M.Noor**, R. Mamat, Andrew P. Wandel, Talal F. Yusaf, 2012 The Effect of Fuel and Air Injection Velocity on Biogas Ignition of Bluff-body MILD Burner, 2nd International Conference of Mechanical Eng. Research (ICMER), 1-3 Jul, Malaysia (Submitted)
18. T.Yusaf, **M.M.Noor** and Andrew P. Wandel 2013 MILD Combustion: The Future for Lean and Clean Combustion, 2nd International Conf. of Mechanical Engineering Research, 1-3 Jul, Malaysia, Paper No.: ICMER2013-K01.
19. R. Mamat, A. Aziz, **M.M.Noor**, N.R.Abdullah, Exhaust Emission of a Diesel Engine Operating Under Steady State Condition with Biodiesel and EGR, 2nd International Conference of Mechanical Engineering Research (ICMER), 1-3 Jul, (Submitted)
20. **M.M.Noor**, K.Kadirgama, Aidy Ali, M.M.Rahman, Z.Ghazalli, "Prediction of End-of-Life Strategies for Household Equipment's using Artificial Intelligent." American Journal of Applied Sciences, 6(10): 1838-1844, 2009. (Scopus Indexing)
21. **M.M.Noor**, K.Kadirgama, H.H.Habeeb, M.M.Rahman, B. Mohammad, "Performance of Carbide Cutting Tools When Machining of Nickel Based Alloy", International Journal of Material Forming, Vol. 3 Suppl. 1:475-478, DOI 10.1007/s12289-010-0810-4, 2010. (Scopus Indexing)
22. K.Kadirgama, K.A.Abou-El-Hosseini, **M.M.Noor**, K.V.Sharma, B.Mohammad, "Tool Life and Wear Mechanism when Machining Hastelloy C-22HS", ISSN: 0043-1648, Wear, Vol. 270, 258-268, 2011. (Scopus and Thomson ISI Indexing, IF 1.771).
23. **M.M.Noor**, K.Kadirgama, M.M.Rahman, N.M.Zuki N.M, K.F.Muhamad, M.R.M.Rejab, Julie J.Mohamed "Prediction Modelling of Surface Roughness for Laser Beam Cutting on Acrylic Sheets", Advanced Materials Research, Vols. 83-86, 793-800, ISSN: 1022-6680, 2010. (Scopus and EI Indexing)
24. M.M.Rahman, K.I.Hamada, **M.M.Noor**, "Heat Transfer Characteristic of Intake Port for Spark Ignition Engine: A Comparative Study", Journal of Applied Sciences, ISSN: 1812-5654, 2009. (Scopus and Thomson ISI Indexing, Impact Factor 0.13)

25. **M.M.Noor**, K.Kadrigama, M.M.Rahman, W.S.W.Harun, C.H.C.Haron, "Finite Element Analysis and Statistical Method to Determine Temperature Distribution on Cutting Tool in End-Milling" European Journal of Scientific Research, 30(3), 451-463, ISSN: 1450-216X, 2009. (Scopus Indexing)
26. K.Kadrigama, **M.M.Noor**, K.A.Abou-El-Hossein, "Cutting Force and Chips Texture When Milling Hastelloy C-22HS", Int. of Adv. in Machining and Forming Operations, Vol. 1(1), 101-112, ISSN: 0975-4784, 2009.
27. **M.M.Noor**, K.Kadrigama, Devarajan R., M.S.M.Sani, M.F.M.Nawi, T.F.Yusaf, "CFD Simulation and Validation of the In-Cylinder within a Motored Two Stroke SI Engine", 2nd International Conference on Science and Technology, Applications in Industry and Education, ICSTIE08, 12~13 December, UiTM Penang, 1461-1468, ISBN 978-983-42204-1-9, 2008.
28. K.Kadrigama, **M.M.Noor**, Ahmed N Abd Alla, "End Milling Surface Roughness Optimization using Response Ant Colony", Sensors, ISSN: 1424-8220, Vol. 10, 2054-2063; 2010. (Scopus and Thomson ISI, IF 1.87)
29. **M.M.Noor**, K.Kadrigama, R.Devarajan, M.R.M.Rejab, N.M.Zuki N.M., T.F.Yusaf, "Design of a High Pressure Compressed Natural Gas Mixer for 1500cc Engine", National Conference on Design and Concurrent Engineering (DECON08), 28-29th Oct., Avillion Legacy Hotel, Melaka. 435-438, ISBN 978-983-2948-54-4, 2008.
30. **M.M.Noor**, K.Kadrigama, M.M.Rahman, Rosli A. Bakar, C.H.C.Haron, "Response Surface Method and Neural Network to Determine Surface Roughness for Laser Cutting on Acrylic Sheets", 12th CIRP Int. Conference On Modelling of Machining Operations, (CIRP CMMO'09), 7-8 May, Donostia-San Sebastian, Spain, Vol. 2, 851-858, ISBN: 978-84-608-0866-4, 2009.
31. **M.M.Noor**, K.Kadrigama, M.M.Rahman, A.K.Amiruddin, Analysis of Automotive Drive Shaft using Finite Element Method, National Conference in Mechanical Engineering for Research & Postgraduate Studies (NCMER 2010), 26th May, ISBN:978-967-5080-95-1, Universiti Malaysia Pahang, 2010.
32. **M.M.Noor**, K.Kadrigama, M.M.Rahman, "The Prediction of Recycling Strategy for Electronic Equipment for Sustainable Future", Malaysian Technical Universities Conference on Engineering and Technology, MUCET2010, June 28-29, Bayview Hotel, Melaka, Malaysia, 405-410, ISBN: 978-983-2948-77-3, 2010.
33. E.E.Supeni, T.F.Yusaf, A.P.Wandel, D.R.Buttsworth, **M.M.Noor**, "Exp. and Modelling Inv. of the Perf. Charac. on Diesel HCCI with Hydrogen Additive - A Review", National Conf. in Mech. Eng. Research & PG Studies (2nd NCMER 2010), 3-4 December 2010, UMP, Pahang, Malaysia, pp. 580-596. ISBN: 978-967-0120-04-1, 2010.

List of Consultancy - More than 10 Consultation Works.

1. Consultation for UKM Researchers, Optimization of Environmental Factor by using Response Surface Method, Vot No. UIC100104, Project Member, Dec 2009 ~ Feb 2010.
2. Consultation for UIE-Solution Sdn Bhd: Finite Element Analysis for Storage Tank and Pressure Vessel Corrosion, Vot No. UIC080102, Project Leader and Main Researcher, Apr 2009.
3. Consultation for Petronas: The Provision of Fitness for Service through Finite Element Analysis for V-5425 Flare Scrubber, thru UIE-Solution Sdn Bhd, Vot No. UIC080102, Project Leader and Main Researcher, Nov 2008,
4. Consultation for Petronas Carigali Angsi-B Crane B-7020 Structural Analysis. Project Manager and Main Researcher, thru RIA-Solution Sdn Bhd, Vot No. UIC080102, Petronas Carigali SB. thru RIA Solution Sdn. Bhd. Apr~Dec 2008.

List of Research / Project - Lead and Involve in more than 30 project since 2006.

1. MOSTI Science Fund "Development a Design Evaluation System Software for Home Appliances Remanufacturing" as Main Researcher. Grant amount of RM183,750. RDU080502, MOSTI Project No. 03-01-16-SF0013. (Jul'08~Dec'09)
2. "Design and Efficient Performance Appraisal of Hydrogen Fuelled Automobile Engines Combustion Chamber and Port Injector" as Researcher, Grant amount of RM 40,000. RDU090397, (May'09~Apr'10)
3. "Heat Transfer Augmentation with Aluminium Oxide Nanofluid in Plain Tube and with Insert" as Researcher, Grant amount of RM 40,000. RDU0903100, (Oct'09~Sept'10)
4. "Development of Heat Transfer Techniques for Hydrogen Fuelled Internal Combustion Engine" as Researcher, Grant amount of RM 40,000. RDU090393 (May'09~Apr'10)
5. "Accuracy of Stainless Steel Thick Plates in Peripheral Machining" as Project Leader & Researcher, Grant amount of RM 40,000. RDU090398, (Oct'09~Sept'10)
6. "An Investigation of Wind Power Potential at Kuala Pahang, Pekan", as Researcher, Grant amount of RM 40,000, RDU0903126, (Oct'09~Sept'10).
7. "Numerical Study on Fatigue Life of Spot Welded for Automotive Components" as project leader and researcher, Grant amount of RM 19,000. RDU070346 (Sept'07~Aug'08) (Status: Completed).

Awards / Research Achievements

Receive more than 40 Awards (APC, Cendekia Bitara, ITEX, MTE, PECIPTA, ...)

1. Anugerah Perkhidmatan Cemerlang (APC) & Excellent Service Award, UMP, 2007, 2008, 2009.
2. UMP Research Merit Award: Patent-Car Jack Assembly and Method, PI20093259, 2009. Project Leader.

3. Research Award: Bronze – Title: CarJack Using Internal Car Power, (ITEX09), Project Leader.
4. Research Award: Silver – Title: A New Machining Mould Algorithm based on Response Ant Colony (RACA), 20th International Invention, Innovation, Industrial Design & Tech. Exhibition (ITEX09), Project A. Leader, PWTC KL, 15~17 May 2009.

Patent - More than 10 Patents with Patent Filing Numbers and in progress

1. Heat Transfer Nanofluids, PI2011002027, 2011, Project Member.
2. A Hybrid Electric Car, PI2010002172, 2010, Project Member.
3. Car Jack Assembly and Method, PI 20093259, 2009. Project Leader.

List of Course / Conference Attended

Date	Program	Status
3 Apr 2013	ANSYS Training from Leap (ANSYS Supplier), USQ, Prof. David Fletcher	Participant
13 Mar 2013	Mathematical Modelling with MATLAB, Rydges, Cnr Grey & Glenelg Streets, Brisbane, QLD, Dr. Abhaya Parthy	Participant
12 Dec 2012	Dissertation Writing Workshop, USQ	Participant
25 Oct 2012	Research Seminar by Dr. Andrew Wandel, Extinction Predictors in Turbulent Spray Combustion, USQ	Participant
29 Aug 2012	USQ Combustion Meeting, USQ, Toowoomba	Presenter
28 Aug, 4&11 Sept, 2012	LaTeX Basic, Intermediate and Advanced Training, Dr. Kazem Ghabrie	Participant
22 Aug 2012	Seminar - Demistifying the Publications Reporting Process	Participant
12 July 2012	How to make an Effective Presentation, AP Armando, USQ	Participant
7~9 July 2012	Malaysian Postgraduate Conference (MPC) 2012, Bond University, Gold Coast, Queensland, Australia	Presenter and Tech. Comm. Chair
26 Apr 2012	Thesis Writing using Word 2010, USQ	Participant
21 ~ 23 Mar 2012	LabVIEW and Data Acquisition Training, by Dean Beliveau, University of Southern Queensland	Participant
6 Jul 2011	Seminar on the Australian Code for the Responsible Conduct of Research (USQ), by Dr Simon Bain	Participant
24 Jun 2011	Workshop on on EndNote Advance (USQ)	Participant
22 Jun 2011	Workshop on Literature Review Preparation (USQ)	Participant
10 Jun 2011	Training on EndNote Introduction (USQ)	Participant
01 Jun 2011	Seminar on Literature Review Preparation (USQ)	Participant
01 Apr ~ 31 May 2011	CFD Comprehensive Training (2 Hours x 12 Class)	Participant
21 Mar 2011	Mastering Microsoft Power Point Presentation	Participant
29 Nov ~ 1 Dec 2011	The 2011 Australian Symposium on Combustion, ANZ Combustion Institute, Shoal University of Newcastle, Bay Resort, Shoal Bay, NSW (Australia)	Presenter
10~12 Nov 2010	Engineers Australia QLDs 2010 Southern Region Engineering Conference (SREC2010), University of Southern Queensland, Australia	Participant
29~30 Jul 2010	AKEPT: Research Management & Leadership Workshop, Prof. M.J.M.Nor KPT, Prof. A.K.Ariffin UKM, Glenmarie Golf Resort, Shah Alam.	Participant / Grp Leader
28~30 Jun 2010	Malaysian Technical Universities Conference on Engineering and Technology, MUCET2010, Bayview Hotel, Melaka	Presenter