

BRIEF CV



Dr. Muhamad Mat Noor
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H-index: 17, Total citation: 1064



Academic Qualification

PhD (Mechanical Engineering), USQ, Australia
M.Sc. (Manufacturing Engineering), UPM, Malaysia
B.Eng. (Hons) (Agriculture Engineering - Power & Machinery), UPM, Malaysia

Brief Profile

M.M.Noor is an active researchers and consultant. His PhD was in mechanical engineering. He has published more than 250 papers in international scholarly journals and conference and holds few patents. His is also very active in consultation work to oil and gas company. He also currently served as national and international research grant proposal reviewer. He is a member of editorial board and founder for International Journal of Automotive & Mechanical Engineering (IJAME), Journal of Mechanical Engineering and Sciences, editorial board and technical reviewer for many other international journals and a conferences committee. Currently he already reviews more than 650 journal and conference papers. Prior to the academic and research work, he worked at Sony EMCS (M) Sdn. Bhd. for about 12 years. His responsibilities include division's budget, business strategy and mid-range plan. He is lead auditor and trainer for ISO9000, ISO14000, OHSAS18000 and Integrated Management System (QESH).

Working Experiences / Appointment

1. Mar 2009 - Oct 2010 Deputy Dean (Research & Postgraduate Studies), FKM, UMP.
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, Selangor.

Professional Qualification / Membership / Affiliation / Experience

A) Membership of Professional Body

1. Graduate Engineer, Board of Engineer, Malaysia (BEM No. 51384A)
2. Graduate Engineer, The Institution of Mechanical Engineers, (IMechE No. 80138207)
3. Member, The Combustion Institute Australian & New Zealand Section (CI ANZ)
4. Member, American Society of Mechanical Engineer, (ASME No. 100021844)
5. Member, Malaysian Society of Engineering and Technology (MySET No. 00240)
6. Member, Society of Automotive Engineers of Japan (JSAE No. 1137927)
7. Fellow Researcher, UMP Automotive Excellent Centre (AEC)
8. Senior Member, International Association of Computer Science & IT (IACSIT-80336675)
9. Member, European Scientific Association of Material Forming (ESAFORM)

B) Professional Experience

1. Malaysian Qualification Agency (MQA) Panel Auditor for Engineering, since 2009.
2. International Grant Evaluator, Austrian Research Promotion Agency (FFG), Austria, since 2015.
3. International Grant Evaluator, National Science Foundation, US, since 2015.
4. National Grant Evaluator, UMP and FKM Research Proposal (Grant) Evaluator, since 2007.
5. Judge, Ministry of Higher Education, International Exposition of Research and Dev. of Institute of Higher Learning, (PECIPTA), 2009.
6. Subject Matter Expert (SME), OUM Six Sigma, since 2015.
7. UMP Journal Editorial Expert and Consultant, since 2013.
8. Panel Interviewer for Malaysian Government Scholarship, 2009 & 2010.
9. Expert Panel for Faculty of Manufacturing Engineering, UMP.
10. Expert Panel for Faculty Science and Technology Industry, UMP.
11. CIDB Construction Trainer/Lecturer Accredited Level: LLT4-Malaysia Green Card, (No. C81230320090064).

12. Certified Lead Auditor, QMS, ISO9000, EMS ISO14000, OSHMS OHSAS18000, since 1997 and Integrated Management System (IMS), since 2004.
13. Certified Black Belts, Six Sigma Master Black Belts (Sony Corporation), since 2003.
14. Panel Chair, UMP PhD Proposal Confirmation of Candidature, 2009 & 2010.
15. Judge/Panel Evaluator for Fac. of Mechanical Engineering Solidwork Competition, 2009.
16. Panel Evaluator/Supervisor for New Lecturer's Instructional Practice, 2009 & 2010.
17. Standing Committee, MySET Admission, Accreditation, Examination & Certification, since 2009.
18. Panel Member, UMP Pre-PPSM Interview for PhD Candidate, 2010.
19. Lead Judge, Research & Innovation Competition, 1-3 Oct, 5th UMP Convocation Exhibition, 2010.
20. Judge, International Engineering Invention & Innovation Exhibition (i-ENVEX2015), 17-19 Apr, Dewan Ilmu, UniMAP, Perlis
21. Judge, International Invention, Innovation and Design (IIID) Johor 2015, Amansari Residence Resort, Malaysia, 29 Oct 2015, UiTM Segamat, Johor.
22. Internal Quality Auditor, Kementerian Sains, Teknologi & Inovasi (MOSTI), Nov26, 2015, Kuala Lumpur, Malaysia

C) Journal's Editorial Board and Proceedings Editor

1. Int. Journal of Automotive & Mechanical Engineering (IJAME), (Founder & Editor in Chief), since 2009.
2. Journal of Mechanical Engineering & Sciences (JMES), (Managing Editor), since 2014.
3. International Journal of Energy and Thermal Fluid (IJETF).
4. Pollution, Iran, since 2015.
5. Journal of Applied Sciences (JAS).
6. International Journal of Vehicle Structures & Systems (IJVSS), India, 2009-2012
7. International Journals of Engineering & Sciences (IJENS)
8. Trends in Applied Sciences Research (TASR).
9. International Journal of Engineering, Science and Technology (IJEST)
10. American Journal of Scientific and Industrial Research (AJSIR)
11. International Journal Series in Multidisciplinary Research (IJSMR)
12. 1st National Conference of Post Graduate Research (NCON-PGR 2009), Malaysia
13. 1st National Conference in Mechanical Eng. for Research & PG Studies, (NCMER 2010), Malaysia
14. 2nd Malaysian Postgraduate Conference (MPC2012), Australia
15. 3rd Malaysian Postgraduate Conference (MPC2013), Australia

D) Technical Editor and Journal / Paper Reviewer (Review more than 600 papers)

1. International Journal of Hydrogen Energy, (IJHE), Elsevier
2. Applied Energy (APEN), Elsevier
3. Renewable & Sustainable Energy Reviews (RSER), Elsevier
4. Journal of Combustion, Hindawi
5. Journal of Material and Design (JMAD), Elsevier
6. Journal of Scanning Microscopies (SCANNING), Wiley
7. International Journal of Exergy (IJEX), Inderscience
8. World Congress & Exhibition 2011, SAE International
9. Jurnal Teknologi, UTM, Malaysia.
10. Journal of Science and Technology, UPM, Malaysia
11. World Congress & Exhibition 2014, SAE International.
12. Society of Automotive Engineers (SAE) 2011 World Congress & Exhibition, SAE International.
13. Institute of Engineers, Malaysia. (IEM) Journal, Malaysia.
14. Journal of Zhejiang University-Science A (JZUSA), Springer.
15. International Journal of Advanced Manufacturing Technology (IJAMT), Springer.
16. Materials Research Innovations (MRI)
17. Journal of Technical Gazette, University of Osijek, Croatia
18. Journal of Modern Applied Science (JMAS)
19. International Journal of Engineering, Science and Technology (IJEST).
20. IEEE Transactions on Neural Networks
21. WSEAS Transactions on Mathematics
22. British Journal of Applied Science & Technology
23. Applied Mechanics and Materials
24. WSEAS Transactions on Circuits and Systems Journal
25. Journal of Science & Technology (JST), Pertanika UPM, Malaysia.
26. Polish Journal of Chemical Technology (PJChT), Poland.
27. Scientific Research and Essay (SRE), Academic Journals.
28. Defense S&T Technical Bulletin, Stride, Malaysia.
29. Asian Journal of Mathematics and Computer Research.
30. International Journal of Engineering and Technology (IJET).

31. Journal of Advanced Review on Scientific Research (ARAM).
32. International Journal of Engineering, (IJE).
33. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences (ARFMTS).
34. International Journal of Environmental Protection (IJEP).
35. International Journal of Plant & Soil Science (IJPSS)
36. International Journal: Materials Science Forum (MSF).
37. International Journal of Engineering Education, (IJEE), Ireland.
38. British Journal of Mathematics and Computer Science (BJMCS), UK
39. Journal of Engineering & Materials Sciences (EMS).
40. World Academy of Science, Engineering and Technology (WASET).
41. Int. Conf. on Uni. Learning and Teaching (InCULT2008), 20-21 Oct, UiTM Shah Alam, Malaysia.
42. International Conference on Software Engineering and Computer Systems (ICSECS 2009), 19-21 Oct, Swiss Garden Resort & Spa, Kuantan, Pahang, Malaysia.
43. International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom2009), 27-28 Oct, IEEE-Computational Intelligence Society, India
44. Int. Conf. on Adv. Material Processing Tech. (AMPT2009), 26-29 Oct, Legend Hotel, KL, Malaysia.
45. World Congress on Engineering (WCE2010), 30Jun - 2Jul, London, UK.
46. Int. Multi-Conf. of Engineers and Computer Scientists (IMECS2010), 17-19 Mar, Hong Kong.
47. World Congress on Eng. and Computer Sc. (WCECS2010), 20-22 Oct, San Francisco, USA.
48. 4th World Engineering Congress (WEC2010), Conference on Aerospace and Mechanical Engineering, 2-5 Aug, Kuching, Sarawak, Malaysia.
49. 2nd International Conf. on Plant Equipment and Reliability (ICPER 2010), 15-17 Jun, KLCC.
50. International Conference on Informatics, Cybernetics, and Computer Applications (ICICCA2010), 19-21 Jul, Jain University, Bangalore, India.
51. Int. Conf. on Digital Content, Multimedia Tech. and its App. (IDC2010), 16-18 Aug, Soul Korea.
52. 3rd International Conf. on Information Sc. and Interaction Sciences (ICIS 2010), 23-25 Jun, Chengdu, China.
53. 7th International Conf. on Cooperative Design, Visualization & Eng. (CDVE2010), 19-22Sep, Mallorca, Spain.
54. 6th International Conf. on Networked Computing & Adv. Information Management (NCM2010), 16-18 Aug, Soul Korea.
55. 4th World Engineering Congress 2010 (WEC2010), Conference on Engineering and Technology Education, 2-5 Aug, Kuching, Sarawak, Malaysia.
56. 2nd International Conf. on Next Generation IT (ICNIT 2011), 21-23 Jun, 2011, Gyeongju, Korea.
57. 2nd International Conference on Advanced Science, Engineering & Information Technology (ICASEIT2011), 12-13 Dec, UKM, Malaysia.
58. 14th WSEAS Int. Conf. on Mathematical Methods, Computational Techniques and Intelligent Systems (MAMECTIS2012), 1-3 Jul, Porto, Portugal.
59. International Conf. on Mathematical Models for Eng. Science (MMES2012), 2-4 Dec, Paris.
60. International Conference on Agricultural, Food and Biological Engineering (ICAFBE2012), 11 - 13 May, Guangzhou, China.
61. 10th International Conference on Fluid Mechanics & Aerodynamics (FMA2012), 21-23 Aug, Istanbul, Turkey.
62. 6th WSEAS International Conf.on Renewable Energy Sources (RES 2012), 1-3 Jul, Porto, Portugal.
63. Int. Conf. on Statistical in Science, Business and Eng. (ICSSBE2012), 10th - 12th Sept, Langkawi.
64. 14th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE2012), 7-9 Sep, Malta.
65. 3rd International Conference on Engineering Industry (ICEI2012), 3-5 Dec, Seoul, Korea.
66. 10th Int. Conf. on Mathematical Biology and Ecology (MABE2013), 9-11 Jan, Milan, Italy.
67. 12th Int. Conf. on Applications of Electrical Eng. (AEE2013), 30 Jan – 1 Feb, Cambridge, MA, USA.
68. International Conference on Applied Energy (ICAE2013), Jul 1-4, Pretoria, South Africa.
69. 2nd International Conference on Applied and Computational Mathematics (ICACM2013), May 14-16, Vouliagmeni, Athens, Greece.
70. 2nd International Conf. of Mechanical Engineering (ICMER2013), 1-3 July, Kuantan, Pahang.
71. International Conf. on Advanced Mat. Eng. & Tech. (ICAMET2013), 28-29 Nov, Bandung.
72. 1st International Conference on Industrial and Manufacturing Technologies (INMAT2013), 14-16 May, Vouliagmeni, Athens, Greece.
73. 1st Int. Conf. on Computational Science and Engineering (CSE 2013), 6-8 Aug, Valencia, Spain
74. 6th International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS2013), 1-3 Jun, Brasov, Romania.
75. International Conference on Circuits, Systems, Communications, Computers and Applications (CSCCA2013), 25-27 Jun, Dubrovnik, Croatia.
76. 15th International Conference on Automatic Control, Modeling & Simulation (ACMOS2013), 1-3 Jun, Brasov, Romania.
77. 14th International Conference on Automation & Information (ICAI2013) Aug. 6-8, Valencia, Spain.
78. IEEE Symposium on Business, Engineering & Industrial Applications (ISBEIA2013), 22-25 Sept, Kuching, Malaysia
79. 2nd International Conf. on Engineering Technology (ICET 2013), 12-13 Dec, Bali, Indonesia.
80. International Conference on Applied Mathematics (AMATH2013), 10-12 Dec, Budapest, Hungary.

81. 2nd International Conference on Recent Advances in Automotive Engineering & Mobility Research (ReCAR2013), 16-18 Dec, Kuala Lumpur, Malaysia
82. 2nd Intelligent Control, Modeling and Systems Engineering Conference (ICMS2014), January 29-31, 2014, Cambridge, MA, USA.
83. Applied Mathematics and Informatics Conf. (AMATH2014), 29-31 Jan, Cambridge, MA, USA.
84. Malaysian Technical Universities Conference on Engineering & Technology (MUCET2014), 10-11 Nov, Melaka, Malaysia.
85. 1st International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV2014), 26-27 Aug, Kuantan, Pahang, Malaysia.
86. International Conference on Materials Science (ICMS) 2015, 29-31 Mar, Shanghai, China.
87. Recent Advances in Fluid Mechanics and Thermal Engineering, 27-29 Jun, Salerno, Italy.
88. Game Physics and Mechanics International Conference (GAMEPEC2015), 25-27 Aug, Langkawi, Malaysia.
89. 10th International Conference on Electrical Engineering (ICEENG) 2016, 19-21 April, M.T.C., Cairo, Egypt.
90. 9th Malaysian Technical Universities Conference on Engineering and Technology (MUCET) 2015 11-13 Oct, KSL Resort Hotel, Johor Baharu, Johor, Malaysia.
91. Recent Researches in Mechanical and Transportation Systems, 27-29 Jun, Salerno, Italy.
92. 3rd International Conference on Recent Advances in Automotive Engineering & Mobility Research (ReCAR) 2015, Dec 1-3, Melaka UNESCO Heritage City, Malaysia

E) Conference & Others Professional Experience.

1. Session Chairperson & Reviewer, International Conference on Advance Material Processing Technology (AMPT2008), 2-5 Nov, Gulf International Convention Center, Manama, Bahrain.
2. Session Chairperson, 2nd Regional Engineering Conf. on Sustainable Engineering Infrastructures Development & Management (ENCON2008), 18-19 Dec, Kuching, Sarawak, Malaysia.
3. Session Chairperson, Reviewer & Exhibitor, Malaysian Technical Universities Conf. and Exhibition on Eng. and Technology (MUCEET2009), 20-22 Jun, MS Garden, Kuantan, Pahang, Malaysia.
4. Conference Chairman – Organizing Committee and Session Chairperson, National Conference of Post Graduate Research (NCON-PGR2009), 01 Oct, UMP.
5. Tech. committee, reviewer & panel expert, UMP/USM Post Graduate Research Conference (PGRC2009), Dec'09, UMP.
6. Committee Member, International Conference on Networked Computing (INC2010), Korea.
7. Technical committee, 4th World Engineering Congress (WEC2010), Conference on Aerospace and Mechanical Engineering (CAME), 2-5 August, Kuching, Sarawak, Malaysia.
8. International program committee, 3rd International Conference on the Applications of Digital Information and Web Technologies (ICADIWT2010), 12-14 Jul, Fatih University, Istanbul, Turkey.
9. Conference Co-chairman, National Conference in Mechanical Engineering for Research & Postgraduate Studies, (NCMER 2010), 26-27 May, 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.
12. Conference Co-Chairman, 2nd National Conference in Mechanical Engineering for Research & Postgraduate Studies, (NCMER 2010), 3-4 Dec, UMP.
13. National Committee, Int. Conf. on Adv. Manufacturing (ICAM2011), 23-24 May, TATI University College, Terengganu.
14. Program Committee and Reviewer. 7th International Conference on Digital Content, Multimedia Technology and its Applications (IDCTA 2011), 16-18 Aug, Busan, Korea.
15. Program Committee and Reviewer, 2nd International Conference on Advancements in Computing Technology (ICACT2011), 29Nov – 1Dec, Jeju Island, Korea.
16. Program Committee and Reviewer, 7th International Conference on Networked Computing & Advanced Information Management (NCM2011), 21-23 Jun, Gyeongju, Korea.
17. Program Committee and Reviewer, 2nd International Conference on Engineering & Industries (ICEI2011), 29Nov – 1Dec, Jeju Island, Korea.
18. Program Committee and Reviewer, 3rd International Conference on Data Mining and Intelligent IT Applications (ICMIA2011), October 24 - 26, Venetian, Macau, Hong Kong.
19. Program Committee and Reviewer, 4th International Conference on Information Sciences and Interaction Sciences (ICIS 2010), 23-25 Jun, Chengdu, China.
20. Program Committee and Reviewer, 6th International Conference on Computer Sciences and Convergence Information Technology, (ICCIT2011), 29Nov – 1Dec, 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-B2012), 24-26 Sept, Prague, Czech Republic.
23. Scientific Committee, 8th WSEAS International Conference on Applied and Theoretical Mechanics (MECHANICS2012), 29-31 Dec, Montreux, Switzerland.

24. Program Committee and reviewer, 7th International Conference on Computer Sciences and Convergence Information Technology (ICCIT2012), Dec 3-5, Seoul, Korea
25. Program Committee and Reviewer, 8th International Conference on Information Science and Digital Content Technology (5th ICIS and 8th IDCTA), ICIDT2012: 26 – 28 Jun, Jeju Island, Korea.
26. Program Committee and Reviewer, 8th International Conference on Computing Technology and Information Management (NCM and ICNIT), ICCM2012, 24 – 26 Apr, Seoul, Korea.
27. Scientific Committee, 3rd European Conf. of Mech. Eng. (EMCE2012), 2-4 Dec, Paris, France.
28. Program Committee and Reviewer, 17th International Conf. on New Trends in Information Science, Service Science and Data Mining (6th NISS, 4th ICMIA), Oct 23-25, Taipei, Taiwan.
29. Program Committee and reviewer, 8th International Conference on Information Processing, Management and Intelligent Information Technology (8th ICIPM and 2nd ICIP), ICIPT2012, 18-20 Sep, 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, Monteux, 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 (CSCC2012), 14-16 Jul, Kos Island, Greece.
34. Program Committee and Reviewer, 17th North-East Asia Symposium on Nano, Information Technology and Reliability (NASNIT2012), 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 Int. 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 App. (CEA2013), 9-11 Jan, Milan, Italy.
41. Program Scientific Committee, 11th International Conference on Fluid Mech. & Aerodynamics (FMA2013), 14-16 May, Vouliagmeni, Athens, Greece.
42. Scientific committee, 10th Int. Conf. on Heat and Mass Transfer (HMT2013), 9-11Jan, 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. Scientific Committee, 12th WSEAS International Conference on Non-Linear Analysis, Non-Linear Systems and Chaos (NOLASC2013), 16-18 March, Lemesos, Cyprus.
46. Scientific Committee, 12th WSEAS International Conference on System Science and Simulation in Engineering (ICOSSSE 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, Dubrovnik, Croatia.
1. Reviewer and Advisory Committee, 3rd Int. Malaysia-Ireland Joint Symposium on Engineering, Science and Business (IMiEJS2013), 11-13 Jun, Athlone Institute of Technology, Ireland.
48. Scientific Committee and Reviewer, International Conference on Mechanical and Robotics Engineering (MREN2013), 14-16 May, Vouliagmeni, Athens, Greece.
49. Scientific Committee and Reviewer, 4th European Conf. of Systems (ECS2013), 29-31 Oct, Paris.
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), 29-31 Oct, Paris, France.
52. Program Committee and Reviewer, 9th International Conference on Computing Technology and Information Management (NCM and ICNIT), ICCM2013, 18-20Jun, Jeju, Korea.
53. Scientific Committee and Reviewer, Int. Conf. on Mathematical Models for Engineering Science (MMES2013), 1-3 Jun, Brasov, Romania.
54. Technical Committee Chair and Reviewer, Malaysian Postgraduate Conference (MPC2013), 3-4 Jul, Malaysia Hall, Sydney, New South Wales, Australia.
55. Technical Programme Committee and Reviewer, Progress in Applied Mathematics in Science and Engineering (PIAMSE2015), 29 Sept. – 01 Oct, Bali, Indonesia.
56. Technical Programme Committee and Reviewer, International Symposium on Social Sciences, Arts and Humanities (SYSSARM2015), 29 Sept. – 01 Oct, Bali, Indonesia.
57. Leader, Promotion and Website Group and Reviewer, International Conference on Mechanical Engineering Research (ICMER) 2015, 18-19 Aug, Kuantan, Pahang, Malaysia.
58. Technical Programme Committee and Reviewer, International Conference on Applied Mechanics and Mechatronics Engineering (AMME2015), 28-2 Jun, Bangkok, Thailand.

59. Leader, Best Paper Selection Committee, International Conference on Mechanical Engineering Research (ICMER) 2015, 18-19 Aug, Kuantan, Pahang, Malaysia
60. Program Scientific Committee, 13th International Conference on Fluid Mech. & Aerodynamics (FMA) 2015, 27-29 Jun, Salerno, Italy.
61. Technical Committee and Reviewer, 9th International Conference on Applied Mathematics, Simulation, Modelling (ASM) 2015, May 20-22, Konya, Turkey.
62. Program Scientific Committee, International Conference on Heat Transfer, Thermal Engineering and Environment (HTE) 2015, 27-29 Jun, Salerno, Italy.
63. Program Technical Committee and Reviewer, UTP-UMP Symposium on Energy Systems (SES) 2015, 7 Oct, Chancellor Complex, Universiti Teknologi Petronas (UTP), Bandar Seri Iskandar, Perak, Malaysia.
64. Program scientific committee, 6th Int. Conf. on Theoretical and Applied Mechanics (TAM) 2015, 27-29 Jun, Salerno, Italy.
65. Organizing, Technical Committee and Reviewer, International Conference on Advanced Material Engineering & Technology (ICAMET) 2015, 4-6 Dec, UniMAP and World Invention Intellectual Property Associations (WIIPA), International Convention Center Kaohsiung (ICCK), Taiwan.
66. Scientific Committee, 6th International Conference on Automotive and Transportation Systems (ICAT) 2012, 27-29 Jun, Salerno, Italy.
67. International Advisory Committee and Reviewer, International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS) 2016, 27-29 Jan 2016, Sri Sairam Engineering College, West Tambaram, Chennai, India.
68. Technical Committee and Reviewer, International Conference on Mechanical Engineering and Advanced Materials (ICME-AM) 2015, 3-4 December, Universiti Malaysia Sabah, Kota Kinabalu Sabah, Malaysia.
69. Program Technical Committee and Reviewer, International Symposium on Mathematical Sciences (ISyMS) 2015, 24-26 Nov, Bandung, Indonesia.
70. Program Technical Committee and Reviewer, International Conference on Information in Business and Technology Management (I2BM), 2016, 26- 28 Jan, Melaka, Malaysia
71. Program Scientific Committee, International Congress on Technology, Engineering and Science (ICONTES) 2016, 13-14 February, Kuala Lumpur, Malaysia.
72. Program Technical Committee and Reviewer, International Conference on Philosophy, Theology and Oriental Studies, (PHILOTIS) 2016, 19th – 21st April 2016 in Kota Kinabalu, Sabah, Malaysia
73. Program Technical Committee, International Conference on Material, Industrial & Mechanical Engineering (ICMIME) 2016, 13-14 February, Kuala Lumpur, Malaysia.
74. Program Technical Committee and Reviewer, Applied Mathematics in Science and Engineering International Conference (APPEMSE) 2016, 26 – 28 Jan, Melaka, Malaysia
75. Program Technical Committee and Reviewer, International Conference on Business, Economics, Management, Social Sciences, Art and Humanities (BEMSAHIC) 2016, 10-12 May, Ural Federal University, Yekaterinburg, Russia
76. Conference Scientific Committee, International Conference on Agricultural Science (ICAS2016), 13-14 Feb, Kuala Lumpur, Malaysia.
77. Program Technical Committee and Reviewer, International Conference on Business, Economics, Management, Social Sciences, Art and Humanities (BEMSAHIC) 2016, 10-12 May, Ural Federal University, Yekaterinburg, Russia
78. Scientific Committee, International Conference on Chemistry, Chemical & Petrochemical Engineering (ICCCPE) 2016, 13-14 February, Kuala Lumpur, Malaysia.
79. Conference Scientific Committee, International conference on Nanotechnology, Nanoscience & Advanced Materials (ICNNAM) 2016, 13-14 Feb, Kuala Lumpur, Malaysia.
80. Proceedings Technical Committee Member and Reviewer, 2nd International Conference on Automotive Innovation and Green Energy Vehicle (AiGEV) 2016, 1-3 Aug, Malaysian Automotive Institute, Kuala Lumpur, Malaysia.
81. Program Scientific Committee, International Conference on Advances in Civil, Architecture and Environmental Engineering (ICCAEE) 2016, 13-14 February, Kuala Lumpur, Malaysia.
82. Leader, Promotion Group and Reviewer, International Conference on Mechanical Engineering Research (ICMER) 2017, 15-17 Aug, Kuantan, Pahang, Malaysia.

Teaching Experience and Course Coordinator (c)

1. SEPT 2015/2016
 - BMM4833 Quality Engineering (c), 3 credits (30 Students)
 - BMM4623 Mechanical System Design (c), 3 credits (187 Students)
 - MME6113 Research Methodology (c), (22 Students)
 - BMM3912 Final Year Project 1, 2 credits (9 Students)

BMM4999 Industrial Training, 6 credits (12 students)
BMM4993 Industrial Training Report, 3 credits (12 students)
BMM4833 Quality Engineering (c), 3 credits (1 Students) UMP-German Dwi Programme
SMSS5204 Six Sigma (c) OUM, 4 credits, (5 Students)

2. FEB 2014/2015

BMM4623 Mechanical System Design (c), 3 credits (120 Students)
BMA4704 Integrated Design Project (c), 4 credit (20 Students)
BMM4833 Quality Engineering, 3 credits (35 Students)
BHA2612 Computer Aided Design (c), 2 credits (20 Students)
BHM1612 CAD Modelling (c), 2 credits (20 Students)
BMM3912 Final Year Project 1, 2 credits (7 Students)
BMM3923 Final Year Project 2, 4 credits (7 Students)
SMSS5204 Six Sigma (c) OUM, 4 credits, (6 Students)
BMM4999 Industrial Training, 6 credits (36 students)
BMM4993 Industrial Training Report, 3 credits (36 students)

3. SEPT 2014/2015

BMM4833 Quality Engineering (c), 3 credits (60 Students)
BML4733 Quality Engineering (c), 3 credits (10 Students)
BMM4623 Mechanical System Design (c), 3 credits (165 Students)
BMM3513 Heat Transfer, 3 credits (20 Students)
BMM3643 Manufacturing Processes, 3 credits (70 Students)
BMM2643 Manufacturing Processes, 3 credits (5 Students)
BMM3912 Final Year Project 1, 2 credits (7 Students)
BMM3923 Final Year Project 2, 4 credits (7 Students)

4. FEB 2014/2015

MEC2101 Thermodynamics, 4 credits (USQ Tutor) (100 Students)

5. SEPT 2013/2014

ENG3103 Engineering Problem Solving Computations, 4 credits (USQ Tutor) (100 Students)

6. FEB 2013/2014

MEC2101 Thermodynamics, 4 credits (USQ Tutor) (100 Students)

7. SEPT 2012/2013

ENG3103 Engineering Problem Solving Computations, 4 credits (USQ Tutor) (240 Students)

8. FEB 2012/2013

MEC2101 Thermodynamics, 4 credits (USQ Tutor) (100 Students)
MEC4104 Energy Technology, 4 credits (USQ Tutor) (50 Students)

9. SEPT 2011/2012

ENG3103 Engineering Problem Solving Computations, 4 credits (USQ Tutor) (220 Students)

10. FEB 2011/2012

MEC2101 Thermodynamics, 4 credits (USQ Tutor) (100 Students)
MEC3102 Fluid Mechanics, 4 credits (USQ Tutor) (100 Students)

11. 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)

12. 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)

13. 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)

14. MAY 2008/2009 (Short Semester)

BMM2523 Thermodynamics 2 (c), 6 credits (20 Students)

15. 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)

16. 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)

17. MAY 2007/2008 (Short Semester)

BMM2513 Thermodynamics 1, 6 credits (35 Students)

18. 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)

19. 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)

20. MAY 2006/2007 (Short Semester)

BMM2523 Thermodynamics 2 (c), 6 credits (65 Students)

21. 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. Postdoc, Dr. Adnan Mohammed Hussein, Development of Bio-Lubricant with Nano Particle for Automotive, 20 Jan 2016 – 19 Jan 2017.
2. Che Ku Ihsan Bin Che Ku Abdul Satar, PMA14003, Combustion Characteristic of Emulsified Biodiesel on Multi-cylinder Diesel Engine, Jul 2015 (in progress).
3. Mohd Kamal bin Kamarulzaman, PMM15003, Combustion Characteristic of Synthetic Additive Blend Biofuel on Internal Combustion Engine, Jul 2015 (in progress).
4. Yohenthiran Selvaraj (MMM14035), Characteristic of Erabium Nano Particle Based for Lubricant Used, Mar'2014 (in progress).

1. Maizatul Asnida Hassan (MMM14041), Tribology of Cooper Oxideno Particle Biolubricant to Improve Engine Durability, Mar'2014 (in progress).
2. KashfullahZafifi Ali (CGS00917730), Open University Malaysia (OUM), Master of Occupational Safety & Health Risk Management, Title: The Implementation of Six Sigma Methodology to Improve Safety in Small Medium Enterprises Industry Malaysia, May 2015. (in progress).
3. Aima Roslina Abdul Nasir (CGS00883230), Open University Malaysia (OUM), Master of Occupational Safety & Health Risk Management, Title: The Implementation of OHSAS18001 to Improve Safety and Health Awareness in Education Industries. Sept 2015
4. Masood Kamal (PMA11001), PhD (Mechanical), Development of Multiaxial Fatigue Model Using Hybrid Approach of Critical Plane Continuum Mechanics and Genetic Algorithm, 2010 (in progress).
5. Emi Hafizzul Jamaluddin (MM09001), Master of Engineering (Mechanical), The Analysis of Mean Time between Failures (MTBF) of Valve at Pneumatic Ilmenite Transfer System, 2009 - 2010, Main Supervisor.
6. Khalaf Ibraheem Hamada, (PMA08003), PhD (Automotive), Study of Hydrogen Fuelled Internal Combustion Engine Heat Transfer, December 2008, Co-Supervisor. (Completed).
7. Nurul Hidayah, (MMM10002), Performance Analysis on Minimum Quantity Lubricant on Milling Machining, Co-Supervisor. (Completed).
8. Hemin Mohammed Mohy Al-Deen, (MMM08001), Master of Engineering (Mechanical), Robust Design of Suspension Arm, December 2008, Co-Supervisor. (Completed).
9. 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, Field Supervisor (Completed)
10. 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, Field Supervisor (Completed).

List of Publications - Selected Journals and Proceeding Papers (more than 250 papers)

1. **M.M.Noor**, A.A. Hairuddin, Andrew P. Wandel, Talal Yusaf, 2012, Modelling of Non-Premixed Turbulent Combustion of Hydrogen using Conditional Moment Closure Method, IOP: Materials Sciences and Engineering, 36, 012036, 1-17 (Scopus Indexed).
2. **M.M.Noor**, Andrew P. Wandel, Talal Yusaf, 2012, A Review of MILD Combustion and Open Furnace Design Consideration, International Journal of Automotive and Mechanical Engineering, 6, 730-754.
3. **M.M.Noor**, Andrew P. Wandel, Talal Yusaf, 2013, Design and Development of MILD Combustion Burner, Journal of Mechanical Engineering and Sciences, 5, 668-681 (Scopus Indexed).
4. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2013, Analysis of Recirculation Zone and Ignition Position of Non-Premixed Bluff-Body for Biogas MILD Combustion, International Journal of Automotive and Mechanical Engineering, 8, 1176-1186. (Scopus SNIP: 2.10).
5. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2014, Simulation of Biogas Combustion in MILD Burner, Journal of Mechanical Engineering and Sciences, 6, 995-1013 (Scopus Indexed).
6. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2014, Air Fuel Ratio for the Mixture of Biogas and Hydrogen on Non-Premixed MILD Combustion, International Journal of Automotive and Mechanical Engineering, 10, 2144-2154 (Scopus SNIP: 2.10).
7. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2014, MILD Combustion: The Future for Lean and Clean Combustion Technology, International Review of Mechanical Engineering, 8(1), 251-257.
8. **M.M.Noor**, Andrew P. Wandel and Talal Yusaf, 2014, Effect of Air-Fuel Ratio on Temperature Distribution and Pollutants for Biogas MILD Combustion, International Journal of Automotive and Mechanical Engineering, 10, 1980-1992 (Scopus SNIP: 2.10).
9. **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
10. **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.
11. **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 PG Conference, 2-3 July, Sydney, Australia.
12. **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, 66-69.
13. **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
14. **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

15. **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, 46-60.
16. **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, 79-100.
17. **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, 7-9 Jul, Bond University, Gold Coast, Australia, Paper No. MPC2012-27, 159-163.
18. **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, Engineers Australia, 1-2 Sept, University of Southern Queensland, Australia, Paper No. SREC2012-01
19. **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, Engineers Australia, 1-2 Sept, USQ, Australia, Paper No. SREC2012-02
20. **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 Sciences and Engineering, 36, Paper No. 012036, 1-17.
21. **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, 1st Nov, University of Southern Queensland, Australia, Poster ID: FoES-CESRC06 (Finalist for Best Research).
22. **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
23. **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.
24. **M.M.Noor**, K.Kadrigama, 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, 83-86, 793-800, ISSN: 1022-6680, 2010. (Scopus and EI Indexing)
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. **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.
27. **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.
28. **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, 2, 851-858, ISBN: 978-84-608-0866-4, 2009.
29. **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.
30. **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.
31. E.E.Supeni, T.F.Yusaf, A.P.Wandel, D.R.Buttsworth, **M.M.Noor**, Exp. and Modelling Inv. of the Performance Characteristics on Diesel HCCI with Hydrogen Additive - A Review, 2nd National Conf. in Mech. Eng. Research & PG Studies (NCMER2010), 3-4 Dec, UMP, Pahang, Malaysia, 580-596.
32. R. Devarajan, K. Kadrigama, **M.M. Noor**, Computational Analysis Of Dissimilar Valve Lift (DVL) Swirl On A Bi-Fuel Compressed Natural Gas (CNG) Engine, 9th International Conference on Advanced Computational Engineering and Experimenting (ACEX) 2015, 29 June - 2 July Munich, Germany, ACEX2015-204.
33. K.Kadrigama, Y.Muthusamy, M.M.Rahman, **M.M. Noor**, R.Devarajan, Ethylene Glycol Based ZnO Nano Fluids as a Coolant for Grinding of Aisi P20 Tool Steel, 9th International Conference on Advanced Computational Engineering and Experimenting (ACEX) 2015, 29 June - 2 July Munich, Germany, ACEX2015-096.

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. Qatar National Research Fund (QNRF), Project Title: Sintering Laser Machining for Hip Replacement Using Titanium Alloy, grant amount RM3.03 mil, collaborators were Qatar University, Universiti Malaya, and Texas A&M, US, Project Member and Researcher, Sep 2015 – Aug 2017.
2. FRGS Research Grant, Project Title: Fundamental Study of Ethanol-Diesel Blend Fuels in Ultra-low Emission Homogeneous Charge Compression Ignition Engine, FRGS 2015-1- 98692, RM236,410, Project Leader, Oct 2015 – Sep 2017 (Apply to MOE).
3. Science Fund Research Grant, Project Title: The Performance of A Hydrogen Assisted Homogeneous Charge Compression Ignition (HCCI) Engine Fuelled with Biofuels, UPM0009433, RM297,150, Researcher, July 2015 – Jun 2017 (Apply to MOSTI).
4. FRGS Research Grant, Project Title: Fundamental Study of Ethanol-Diesel Blend Fuels in Ultra-low Emission Homogeneous Charge Compression Ignition Engine, FRGS 2015-1-98692, RM236,410, Project Leader and Researcher, Oct 2015 – Sep 2017 (Apply to MOE).
5. FRGS Research Grant, Project Title: A Fundamental Study of Knocking Behaviour in a Homogeneous Charge Compression Ignition (HCCI) Engine Fuelled with Palm Oil and Egusi Based Biodiesel, FRGS, RM128,000, Researcher Oct 2015 – Sept 2018.
6. UMP Research Grant, Project Title: An Auto-Ignition Study in Engine using HCCI and Carbon Nanotubes, RDU150351, RM40,000, Project Leader, 25/06/2015 - 24/06/2017
7. FRGS Research Grant, Project Title: Engine Valve Seat Wear Study On Compressed Natural Gas (CNG)By Using Nano Powder, RDU140125, RM125,000, Researcher, 01/07/2014 – 30/6/2017
8. FRGS Research Grant, Project Title: Development and Characteristics of Waste Cooking Oil as Bio - lubricant and Nano-Lubricant at High Temperature, RDU130129, RM59,000, Researcher, 01/12/2013 - 31/05/2016.
9. PRGS Research Grant, Project Title: Prototype Development of Eco-Nano-Coolant for Sustainable Green Machining, FRGS 2015-1- 101296-102655, RM428,368, Researcher, Oct 2015 – Sep 2017 (Apply to MOE).
10. UMP Research Grant, Project Title: Development of Fuel Testing System on Chassis Dynamometer for Compress Natural Gas Direct Injection Powered Vehicle, RDU130313, RM35,000, Project Leader and Researcher, 15/5/2013 - 30/11/2015.
11. UMP Seed Money, Project Title: "HCCI Engine Conversion from Diesel or Gasoline and Their Experimental to Evaluate the Performance", RDU151103, RM5,500, Project Leader, 15/04/2015 - 14/04/2016.
12. PGRS Research Grant, Project Title: Influence of Waster Cooking Oil as Bio-Nano Lubricant on Wear and Friction Behaviour of Aluminium against Stainless Steel, Maizatul Asnida Hassan (MMM14041), GRS150309, Researcher, 15/03/2015 - 14/03/2017.
13. UMP Research Grant, Project Title: The study of Nano-Refrigerant on Efficiency of Automotive Air-Conditioning, Researcher, 10/11/2015 – 09/11/2017.
14. UMP Research Grant, Project Title: Investigation of Dispersion, Stability, and Tribological Performance of Oil-Based Graphene and Copper Nanofluids, Researcher, 10/11/2015 – 09/11/2017.
15. UMP Research Grant, Project Title: An Experimental Analysis of a HCCI Diesel Fuel Engine Using Copper Nanoparticles Blended Diesel Fuel, RDU15XXXX, Researcher, 20/11/2015 – 19/11/2017.
16. UMP Research Grant, Project Title: Improved Oxygenated Combustion through Alcohol Additive Dilution Approach on a Diesel Engine for Performance and Emission Enhancement, RDU15XXXX, Researcher, 03/11/2015 – 02/11/2017.
17. UMP Research Grant, Project Title: Biodiesel-Diesel (Up to 45%) Fuel Characteristics on Homogeneous Charge Compression Ignition Engine, RDU15XXXX, Researcher, 15/12/2015 – 14/12/2017
18. PGRS Research Grant, Water Injection in CRDI Engine for Diesel-Biodiesel Fuel Efficiency, Che Wan Mohd Noor Bin Che Wan Othman (PMM14003), GRS1503XX, Researcher, 15/8/2015 - 14/9/2016.
19. PGRS Research Grant, Combustion and Emissions Characteristics of Biodiesel-Alcohol Blend in a Common Rail Direct Injection (CRDI) Diesel Engine, Mohd Kamal Bin Kamarulzaman, (PMM14011), GRS1503XX, Researcher, 15/9/2015 - 14/8/2017
20. PGRS Research Grant, Experimental and Prediction Study of Marine Diesel Engine Performance and Exhaust Emission Using Biodiesel Blends Fuel, Che Wan Mohd Noor Bin Che Wan Othman, (PMM14011), GRS1503XX, Researcher, 15/10/2015 - 14/10/2016.
21. MOSTI Science Fund, Development of A Design Evaluation System Software for Home Appliances Remanufacturing, Main Researcher. Grant amount of RM183,750, RDU080502, MOSTI Project No. 03-01-16-SF0013. (Jul'08-Dec'09)

22. UMP Research Grant, Project Title: Design and Efficient Performance Appraisal of Hydrogen Fuelled Automobile Engines Combustion Chamber and Port Injector, Researcher, RM 40,000. RDU090397, (May'09-Apr'10)
23. UMP Research Grant, Heat Transfer Augmentation with Aluminium Oxide Nanofluid in Plain Tube and with Insert,s Researcher, Grant amount of RM40,000. RDU0903100, (Oct'09-Sept'10)
24. UMP Research Grant, Project Title: Development of Heat Transfer Techniques for Hydrogen Fuelled Internal Combustion Engine, Researcher, Grant amount of RM40,000. RDU090393 (May'09-Apr'10)
25. UMP Research Grant, Accuracy of Stainless Steel Thick Plates in Peripheral Machining, Project Leader & Researcher, Grant amount of RM 40,000. RDU090398, (Oct'09-Sept'10)
26. UMP Research Grant, Project Title: An Investigation of Wind Power Potential at Kuala Pahang, Pekan, Researcher, Grant amount of RM 40,000, RDU0903126, (Oct'09-Sept'10).
27. UMP Research Grant, Project Title: Numerical Study on Fatigue Life of Spot Welded for Automotive Components, Project leader and Researcher, Grant amount of RM19,000, RDU070346 (Sept'07-Aug'08).

Awards / Research Achievements

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

1. Special Ministry of Higher Education (MOHE) Award – International Journal of Automotive & Mechanical Engineering (IJAME) as Founder & Editor in Chief, MOHE CREAM Journal Award, Sept 2015, Grant amount of RM12,500, Aseania Resort, Langkawi, Kedah
2. Special Award UMP 2015 Quality, Editor in Chief for International Journal of Automotive & Mechanical Engineering (IJAME), 6 July 2015, UMP, Malaysia.
3. Research Award: Gold Medal Award – Project title: Eco-Nano-Coolant For Manufacturing Cutting Process, Creation, Innovation, Technology & Research Exposition (CITREX) 2015, Project Asst. Leader and Researcher, 9~10 March, Conference Main Hall, UMP, Malaysia.
4. Research Award, Silver Medal Award – Project title: Waste Cooking Oil as An Alternative Additive for Engine Lubricant, Advanced Innovation of Engineering Exhibition (AINEX) 2015, Project Member and Researcher, 18 August, The Zenith Hotel, Kuantan, UMP Automotive Engineering Center, Malaysia.
5. UMP Research Merit Award: Patent–Car Jack Assembly and Method, PI20093259, 2009. Project Leader.
6. Research Award: Bronze Medal Award – Title: Car Jack Using Internal Car Power, (ITEX09), Project Leader.
7. Research Award: Silver Medal Award – Title: A New Machining Mould Algorithm based on Response Ant Colony (RACA), 20th International Invention, Innovation, Industrial Design & Tech. Exhibition (ITEX09), Project Assistant 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.