



PERSONAL INFORMATION

Name: Dr. Mohd Shukry bin Abdul Majid, PhD,

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1. ACADEMIC QUALIFICATIONS

- 2011** Doctor of Philosophy (Ph.D) in Mechanical Engineering, School of Mechanical and Systems Engineering, Newcastle University, United Kingdom.
Thesis title: "*Behaviour of composite pipes under multi-axial stress*"
- 2005** Master of Science (M.Sc) in Mechanical and Systems Engineering (Distinction) Dept. of Mechanical Engineering, University of Liverpool, United Kingdom.
Thesis title: "*Projectile ricochet of wood*"
- 2001** Bachelor of Science BSc. (Hons) in Mechanical Engineering, Second class upper, School of Mechanical Engineering, University Manchester Institute Science and Technology (UMIST), Manchester, United Kingdom.

2. PROFESSIONAL MEMBERSHIP

- 1. Chartered Engineer from Engineering Council UK since 2014 (611716)
- 2. Member of the Institution of Mechanical Engineers, MIMechE since 2014 (80185542)
- 3. Member of Board of Engineer Malaysia (BEM) since 2006 (GE48568A)
- 4. Member of Institute of Engineer Malaysia (IEM) since 2007(G27528)

3. ADMINISTRATIVE POSTS

- 1. **Chairperson for Diploma in Mechatronic Engineering Programme (1 April 2006 – Feb 2007 and Mac 2007- Mei 2008)**
- 2. Management committee of School of Mechatronic Engineering (**31 Julai 2006 – Mei 2008**)
- 3. Academic committee of School of Mechatronic Engineering (**1 Julai 2006 – Mei 2008**)
- 4. Development and students relation committee of School of Mechatronic Engineering (**1 Julai 2006 – Mei 2008**)

4. RESEARCH GRANTS

- 1. **Co- researcher: Mohd Shukry Abdul Majid**
Project title: Effect of Adhesive Thickness on Strength of Adhesively Bonded T-Joint in Urea Granulator Fluidization Bed
Grant: RACE Grant, - 9017-00018- **RM49,800 (on-going, 10 Jan 2014 – 9 Jan 2016)**
- 2. **Co- researcher: Mohd Shukry Abdul Majid**
Project title: Characterization of Overlapping Stress Shielding and Stress Amplification Effect on Fracture Behavior of Interacting Macro-Microcracks
Grant: Fundamental research grant scheme (FRGS), 9003-00377 - **RM93,110 (on-going, Nov '13 – Nov '15)**
- 3. **Co- researcher: Mohd Shukry Abdul Majid**
Project title: Investigation of lubricant optimization applied on magnetic disk media surface.
Grant: Dana Pembudayaan Penyelidikan (RAGS), 9018-00039 – **RM44,000, (on-going, August '13 – August '15)**
- 4. **Co- researcher: Mohd Shukry Abdul Majid**
Project title: Study of electromagnetic wave absorption in recycled glass doped with conductive elements
Grant: Dana Pembudayaan Penyelidikan (RAGS), 9018-00058 – **RM56,300, (on-going, August '13 – August '15)**
- 5. **Co- researcher: Mohd Shukry Abdul Majid**
Project title: A Fundamental study on an optimal design of phase change material (PCM) encapsulated in sphere as a thermal storage energy system.
Grant: Dana Pembudayaan Penyelidikan (RAGS), 9018-00067 – **RM46,500, (on-going, August '13 – August '15)**
- 6. **Head researcher: Mohd Shukry Abdul Majid**
Project title: Performance envelope for glass fibre reinforced epoxy (GRE) composite pipes under multiaxial loadings.
Grant: Geran Ministry of Science, Technology and Innovation (MOSTi – sciencefund) **RM226,500, (Ongoing, Feb '12 –**

Feb '15)

7. **Co-researcher: Mohd Shukry Abdul Majid**
Project title: Durability and microwave non-destructive evaluations of composite/aluminium hybrid joints for lightweight automotive structure
Grant: Dana Pembudayaan Penyelidikan (RAGS) – **RM47,000, (on-going, Dis '12 – Nov '14)**
8. Excellence research grant award for **Mohd Shukry Abdul Majid**
Grant: Universiti Malaysia Perlis (UniMAP) (9009-00004) – **RM10, 000, (completed, Jun '12 –May '13)**
9. **Head researcher: Mohd Shukry Abdul Majid**
Project title: Detecting Structural Steel Damage Using Non-Destructive Vibration Testing - 9005-00019
Grant: Geran Ministry of Science, Technology and Innovation (MOSTI – sciencefund) – **RM179,000, (completed, Oct '07 – Sept '09)**
10. **Co-researcher:: Mohd Shukry Abdul Majid**
Project title: Development Of Ultrasonic Tomographic Imaging Instrument for Measuring Oxygen Transfer Rate in Bioreactor - 9005-00021
Grant: Geran Ministry of Science, Technology and Innovation (MOSTI – sciencefund) – **RM205,000, (completed, Oct '07 – Sept '09)**
11. **Co-researcher:: Mohd Shukry Abdul Majid**
Project title: Studies of acoustics characteristics for the control of automatic pouring of molten into spin casting molding machine - 9003-00065
Grant: KPT Penyelidikan Fundamental (FRGS) – **RM40,000 (completed, Oct '07 – Sept '09)**
12. **Head researcher: Mohd Shukry Abdul Majid**
Project title: 'Studies of a Classroom Acoustic for Teaching Facilities' - 9003-00065
Grant: KPT Penyelidikan Fundamental (FRGS) – **RM13, 500 (completed, Ogos '06 – Jan '08)**

5. PUBLICATIONS

Book Chapters

1. Paulraj, M.P., Yaacob, S., **M.S. Abdul Majid**, Krishnan, R.P., 'Diagnosis of steel plate damage using vibration signals', ENGGPOS 2013:International Engineering Post Graduate Research Conference 2013, Karpagam University, India, February 1-2, **2013**

Journals (33 papers)

2. **M.S. Abdul Majid**, A.G. Gibson, M. Hekman, M. Afendi, Strain Response and Damage Modelling of Glass/Epoxy Pipes under Various Stress Ratios, Plastics, Rubber and Composites: Macromolecular Engineering (PRCME3305), (**Q3, IF: 0.693**) – **Accepted for publication.**
3. M. Afendi, K. Hafizan, **M. S. Abdul Majid**, R. Daud, N. A. M. Amin, C. E. Meng, T. Teramoto, Fracture Characteristics of Shear Adhesive Dissimilar Joint, Applied Mechanics and Materials Vol. 606 (2014) pp 165-169
4. **M.S. Abdul Majid**, M. Afendi, R. Daud, N. A. M. Amin, A. Mohamad, M. Hekman, The interlaminar shear strength test of helical wound glass fibre reinforced epoxy laminates subjected to hydrothermal ageing, Applied Mechanics and Materials Vol. 554 (2014) pp 391-395
5. Pranesh Krishnan, **M.S. Abdul Majid**, M. Afendi, M.N.F. Mohd Kazim, Short-term test of $\pm 55^\circ$ filament wound GRE composite pipes under multiaxial stress ratios, Applied Mechanics and Materials Vol. 554 (2014) pp 371-375
6. M.S. Fartini, **M.S. Abdul Majid**, M. Afendi, N. A. M. Amin, A. Mohamad, Effects of elevated temperatures on the compression strength of nanoclay filled unsaturated polyester resin, Applied Mechanics and Materials Vol. 554 (2014) pp 208-212.
7. M.S. Fartini, **M.S. Abdul Majid**, M. Afendi, R. Daud, A. Mohamad, Effect of Nano-clay and their Dispersion Techniques on Compressive Properties of Unsaturated Polyester Resin, Applied Mechanics and Materials Vol. 554 (2014) pp 27-31.
8. R. Revati, S. Yahud, **M.S. Abdul Majid**, Electrical Properties Investigation of Unsaturated Polyester Resin with Carbon Black As Fillers, Applied Mechanics and Materials Vol. 554 (2014) pp 145-149
9. M. Haameem J.A , **M.S. Abdul Majid**, M. Afendi , R. Daud, N. A. M. Amin and A. Mohamad, Tensile Strength of Untreated Napier Grass Fibre Reinforced Unsaturated Polyester Composites, Applied Mechanics and Materials Vol. 554 (2014) pp 189-193.
10. M. Afendi, **M. S. Abdul Majid**, R. Daud, N. A. M. Amin and T. Teramoto, Strength and Fracture Characterizations of Shear Adhesive Dissimilar Joint. Applied Mechanics and Materials. SJR, IF (2012): 0.125. **To be published.**
11. **M.S. Abdul Majid**, M Afendi, R Daud, A.G. Gibson, T.A. Assaleh, Haftirman, A Fahrer, M Hekman, Acoustic emission monitoring of multiaxial ultimate elastic wall stress tests of glass fibre reinforced epoxy composite pipe, Advanced Composite Materials, 2014. <http://dx.doi.org/10.1080/09243046.2013.871175> (**Q4, IF: 0.426**)
12. **M.S. Abdul Majid**, M. Afendi, R. Daud, N.A.M. Amin, Azizul Mohamad, A.G. Gibson, M. Hekman, General lifetime damage model for glass fibre reinforced epoxy (GRE) composite pipes under multiaxial loading. Key Engineering Materials, Vols 594-595, **2014**, pp624-628.
13. N. Atikah, M. Afendi, S. Hirmaliza, **M.S. Abdul Majid**, N. Amira and M.N. Mazlee, Strength of Ductile Adhesive Butt Joint Bonded with Dissimilar Adherents: Effect of Surface Roughness, Applied Mechanics and Materials Vol. 554 (2014) pp 366-370.
14. Nur Athirah, M. Afendi, Ku Hafizan, N.A.M. Amin and **M.S. Abdul Majid**, Stress and Thermal Analysis of CubeSat Structure, Applied Mechanics and Materials Vol. 554 (2014) pp 426-430.

15. S. Nurhashima, M. Afendi, B. Izzawati, N.A.M. Amin, **M.S. Abdul Majid** and M.Taufik, Strength of Three-Point-Bending Ductile Adhesive Joint With Dissimilar Adherends, Applied Mechanics and Materials Vol. 554 (2014) pp 406-410.
16. B. Izzawati, M. Afendi, M. Affif, S. Nurhashima, R. Daud, N.A.M. Amin and **M.S. Abdul Majid**, 3D Finite Element Stress Analysis of Butt Adhesively Bonded Dissimilar Joint: Effect of Bond Thickness on Strength, Applied Mechanics and Materials Vol. 554 (2014) pp 355-359
17. A. Nor, M. Afendi, A.R. Abdullah and **M.S. Abdul Majid**, Stress Analysis of Adhesive Bonding of Urea Granulator Fluidization Bed, Applied Mechanics and Materials Vol. 554 (2014) pp 366-370
18. Nur Athirah Mat Nawi, A.R. Abdullah, M. Afendi, **M.S. Abdul Majid**, Ruslizam Daud and Haftirman Idrus, Numerical Stress Analysis of Epoxy Adhesively Bonded Dissimilar Joint. Key Engineering Materials, Vol. 594-595, **2014**, pp 930-934.
19. N. A. M. Amin, A. Mohamad, R. Daud, **M. S. Abdul Majid**, M. Afendi, F. Bruno and M. Belusko, CFD model validation for charging and discharging of a PCM encapsulated in sphere. Applied Mechanics and Materials, **SJR IF: 0.11**
20. **M.S. Abdul Majid**, R. Daud, M. Afendi, A.G. Gibson and M. Hekman, 'Stress-Strain Response Modelling Of Glass Fibre Reinforced Epoxy Composite Pipes under Multiaxial Loadings' Journal of Mechanical Engineering & Sciences (JMES). 2013. **(Accepted)**
21. Mohd Afendi, Nur Athirah, **M.S. Abdul Majid**, R. Daud and Tokuo Teramoto, Experimental and Numerical Investigation of V-Shaped Epoxy Adhesive Joint. Journal of Mechanical Engineering & Sciences (JMES). 2013. **(Accepted)**
22. R. Daud, **M.S. Abdul Majid**, M. Afendi, A.K. Ariffin, S. Abdullah. Investigation of Elastic Stress Shielding Damage Interaction Based on Fitness For Service (FFS) Codes. Journal of Mechanical Engineering & Sciences (JMES). 2013. DOAJ Indexed. **(Accepted)**
23. A.R. Abdullah, Mohd Afendi, **M.S. Abdul Majid**, Effect of Adhesive Thickness on Adhesively Bonded T-Joint. IOP Conference Series: Material Science & Engineering 50 (2013). doi:10.1088/1757-899X/50/1/012063.
24. **M.S. Abdul Majid**, M. Afendi, R. Daud, A.G. Gibson, M. Hekman, Effects of winding angles in biaxial ultimate elastic wall stress (UEWS) tests of glass fibre reinforced epoxy (GRE) composite pipes. Advanced Materials Research. Vol. 795 (2013) pp 424-428 **SJR, IF: 0.17**.
25. Mohd Afendi, **Abdul Majid M.S.**, Daud R., Ishino Y. and Teramoto T., Stress Analysis and Failure Characterizations of V-shaped Epoxy Adhesively Bonded Joint. Advanced Materials Research. Vol. 795, (2013) pp 290-293, **SJR, IF: 0.17**.
26. R. Daud, A.K. Ariffin, S. Abdullah, **M.S.A. Majid**, M.A. Rojan, Mathematical model of elastic crack interaction and two-dimensional finite element analysis based on Griffith energy release rate. Advanced Materials Research. Vol. 795 (2103) pp587-590, **SJR, IF: 0.17**.
27. **M.S. Abdul Majid**, M. Afendi, R. Daud, N. A. M. Amin, A. Mohamad, E.M.Cheng, A.G. Gibson, Modelling of multi-axial ultimate elastic wall stress (UEWS) test for glass fibre reinforced epoxy (GRE) composite pipes, Applied Mechanics and Materials Vol. 367, pp 113-117, 2013, **SJR, IF: 0.11**.
28. N. A. M. Amin, A. Mohamad, **M. S. Abdul Majid**, M. Afendi, F. Bruno and M. Belusko, Experimental Investigation of PCM Spheres in Thermal Energy Storage System. Applied Mechanics and Materials, 367, pp. 228-233, 2013. **SJR, IF: 0.11**.
29. Azizul Mohamad, Nasrul Amri Mohd Amin, Zuradzman Mohamad Razlan, **Mohd Shukry Abdul Majid**, Experimental Studies of A Ranque-Hilsch Vortex Tube Applied Mechanics and Materials Vol. 390, pp 670-674, 2013. **SJR, IF: 0.11**.
30. Mohd Afendi, **M.S. Abdul Majid**, Ruslizam Daud, A. Abdul Rahman, Tokuo Teramoto, Strength Prediction and Reliability of brittle epoxy adhesively bonded dissimilar joint, International Journal of Adhesion & Adhesives 45, **2013**, pp. 21-31. **(Q1, IF: 2.170)**
31. M.P. Paulraj, Sazali Yaacob, **M.S. Abdul Majid**, Mohd Nor Fakhzan Mohd Kazim, Pranesh Krishnan, 'Structural Steel Plate Damage Detection using Non Destructive Testing, Frame Energy based Statistical Features and Artificial Neural Networks' Procedia Engineering, Volume 53, **2013**, pp. 376-386
32. **M.S. Abdul Majid**, T.A. Assaleh, A.G. Gibson, J.M., Hale, A. Fahrer, C. A. P. Rookus and M. Hekman, Ultimate elastic wall stress (UEWS) test of glass fibre reinforced epoxy (GRE) pipe, Composites Part A: Applied Science and Manufacturing, Volume 42, Issue 10, October **2011**, pp. 1500-1508. **(Q1, IF: 2.744)**
33. A.G. Gibson, **M.S. Abdul Majid**, T.A. Assaleh, J.M., Hale, A. Fahrer, C. A. P. Rookus and M. Hekman, Qualification and lifetime modeling of fibreglass pipe, Plastics, Rubber and Composites: Macromolecular Engineering (PRC), Volume 40, Number 2, March **2011**, pp. 80-85(6) **(Q3, IF: 0.693)**
34. **Majid, M.S.A.**, Birch, R.S., Jais, M.I., The effects of varying target hardness on ricochet angle, American Institute of Physics, (AIP) Conference Proceedings 909, pp. 85-89, 2007 Selected paper from Journal of Solid State Science and Technology Letters, Vol. 13 No. 12 (Suppl) **2006**.
35. **M.S. Abdul Majid**, R. S. Birch, M.I. Jais, R.M.N.Arib, H. Zakaria. The Behavior of Projectile Ricochet off Various Wooden Target, Journal of Engineering Research and Educations (KUKUM) vol.3, ISSN: 1823-2981. 2006 pp.70-75

International Conferences

1. Ruslizam Daud, **Mohd Shukry Abdul Majid**, Mohd Afendi, Mohd Nasrul Amri Amin, Azizul Mohamad, A. K. Ariffin and Shahrum Abdullah, Energy release rate analysis for shielded interaction between parallel cracks in thin finite plate, 2014 International Conference on Manufacturing, Optimization, Industrial and Material Engineering (MOIME 2014). In submission.
2. Pranesh Krishnan, **M.S. Abdul Majid**, M. Afendi, M.N.F. Mohd Kazim, Short-term test of $\pm 5^\circ$ filament wound GRE composite pipes under multiaxial stress ratios, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
3. M.S. Fartini, **M.S. Abdul Majid**, M. Afendi, N. A. M. Amin, A. Mohamad, Effects of elevated temperatures on the compression strength of nanoclay filled unsaturated polyester resin, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
4. **M.S. Abdul Majid**, M. Afendi, R. Daud, N. A. M. Amin, A. Mohamad, M. Hekman, The interlaminar shear strength test of helical wound glass fibre reinforced epoxy laminates subjected to hydrothermal ageing, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.

5. M.S. Fartini, **M.S. Abdul Majid**, M. Afendi, R. Daud, A. Mohamad, Effect of Nano-clay and their Dispersion Techniques on Compressive Properties of Unsaturated Polyester Resin, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
6. R. Revati, S. Yahud, **M.S. Abdul Majid**, Electrical Properties Investigation of Unsaturated Polyester Resin with Carbon Black As Fillers, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
7. M. Haameem J.A , **M.S. Abdul Majid**, M. Afendi , R. Daud, N. A. M. Amin and A. Mohamad, Tensile Strength of Untreated Napier Grass Fibre Reinforced Unsaturated Polyester Composites, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
8. N. A. M. Amin, A. Mohamad, **M. S. Abdul Majid**, R. Daud, M. Afendi, M. A. Said, F. Bruno and M. Belusko, Parametric study on a thermal energy storage containing single PCM sphere, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
9. N. A. M. Amin, M. A. Said, A. Mohamad, **M. S. Abdul Majid**, M. Afendi, R. Daud, F. Bruno and M. Belusko, Mathematical modeling on thermal energy storage systems, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
10. N. Atikah, M. Afendi, S. Hirmaliza, **M.S. Abdul Majid**, N. Amira and M.N. Mazlee, Strength of Ductile Adhesive Butt Joint Bonded with Dissimilar Adherents: Effect of Surface Roughness, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
11. Nur Athirah, M. Afendi, Ku Hafizan, N.A.M. Amin and **M.S. Abdul Majid**, Stress and Thermal Analysis of CubeSat Structure, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
12. S. Nurhashima, M. Afendi, B. Izzawati, N.A.M. Amin, **M.S. Abdul Majid** and M.Taufik, Strength of Three-Point-Bending Ductile Adhesive Joint With Dissimilar Adherends, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014 .
13. B. Izzawati, M. Afendi, M. Afif, S. Nurhashima, R. Daud, N.A.M. Amin and **M.S. Abdul Majid**, 3D Finite Element Stress Analysis of Butt Adhesively Bonded Dissimilar Joint: Effect of Bond Thickness on Strength, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
14. A. Nor, M. Afendi, A.R. Abdullah and **M.S. Abdul Majid**, Stress Analysis of Adhesive Bonding of Urea Granulator Fluidization Bed, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
15. Azizul Mohamad, Nasrul Amri Mohd Amin, Chong Wei Choon, **Mohd Shukry Abdul Majid**, Ruslizam Daud, Review of Photovoltaic/Thermal System Design and Heat Transfer Enhancement Methods, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
16. Azizul Mohamad, Nasrul Amri Mohd Amin, Toh Hong Tee, **Mohd Shukry Abdul Majid**, Ruslizam Daud, Review of Analysis on Vertical and Horizontal Axis Wind Turbines, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
17. Daud, R., **Majid M.S.A.**, Afendi, M., Amin N.A.M., Ariffin, A.K., Abdullah, S., Strong Shielding Interaction Analysis using J-integral, World Virtual Conference on Advanced Research in Mechanical and Materials Engineering (WVCARMME 2014), 18-22 March 2014.
18. Nur Athirah, Ku Hafizan, M. Afendi, N.A.M. Amin and **M.S. Abdul Majid**, Effect of Bond Thickness on Stress Distribution of Hybrid Dissimilar Joint, International Postgraduate Conference On Engineering And Management 2014 (IPCEM2014).
19. M. Afendi, **M. S. Abdul Majid**, R. Daud, N. A. M. Amin and T. Teramoto, Strength and Fracture Characterizations of Shear Adhesive Dissimilar Joint, 1st International Materials, Industrial, and Manufacturing Engineering Conference (MIMEC2013).
20. **M.S. Abdul Majid**, M. Afendi, R. Daud, N.A.M. Amin, Azizul Mohamad, E.M. Cheng, A.G. Gibson, M. Hekman, General lifetime damage model for glass fibre reinforced epoxy (GRE) composite pipes under multiaxial loading, 2nd International Conference on Advanced Material Engineering & Technology 2013 (ICAMET 2013) Bandung, Indonesia, November 28-29, 2013
21. Nur Athirah, A.R. Abdullah, M. Afendi, **M.S. Abdul Majid**, and Ruslizam Daud, Numerical Stress Analysis of Epoxy Adhesively Bonded Dissimilar Joint, 2nd International Conference on Advanced Material Engineering & Technology 2013 (ICAMET 2013) Bandung, Indonesia, November 28-29, 2013
22. N. A. M. Amin, A. Mohamad, R. Daud, **M. S. Abdul Majid**, M. Afendi, F. Bruno, M. Belusko, CFD Model Validation for Charging and Discharging of A PCM Encapsulated In Sphere, 3rd International Conference and Exhibition on Sustainable Energy and Advanced Material (ICE-SEAM 2013).
23. A.R. Abdullah, Mohd Afendi and **M.S. Abdul Majid**, The Effect of Adhesive Thickness on Stainless Steel T-joint by means of experiment and numerical analysis. BOND21.
24. Cheng Ee Meng, Mohd Fareq Abd Malek, Wee Fwen Hoon, Khor Shing Phan, Noor Anida Abu Talib, Mohd Afendi Rojan, **Mohd Shukry Abdul Majid**, Shahrman Abu Bakar, Wan Khairunizam Wan Ahmad and Lee Yeng Seng, Dielectric spectroscopy of pharmaceutical drug (Paracetamol) dosage in water, 2013 IEEE International RF and Microwave Conference (RFM 2013). (*accepted for publication*)
25. **M.S. Abdul Majid**, M. Afendi, R. Daud, N. A. M. Amin, A. Mohamad, E.M.Cheng, A.G. Gibson, 'Modelling of multi-axial ultimate elastic wall stress (UEWS) test for glass fibre reinforced epoxy (GRE) composite pipes', 3rd International Conference on Mechanics, Simulation and Control (ICMSC 2013), Kanyakumari, India, June 22-23, 2013.
26. Nasrul Amri Mohd Amin, Azizul Mohamad, **Mohd Shukry Abdul Majid**, Frank Bruno, Martin Belusko, 'Experimental Investigation of PCM Spheres in Thermal Energy Storage System', 3rd International Conference on Mechanics, Simulation and Control (ICMSC 2013), Kanyakumari, India, June 22-23, 2013.

27. Azizul Mohamad, Nasrul Amri Mohd Amin, Zuradzman Mohamad Razlan, **Mohd Shukry Abdul Majid**, 'Experimental Studies of A Ranque-Hilsch Vortex Tube', 3rd International Conference on Mechanics, Simulation and Control (ICMSC 2013), Kanyakumari, India, June 22-23, **2013**
28. **M.S. Abdul Majid**, R. Daud, M. Afendi, A.G. Gibson and M. Hekman, 'Stress-Strain Response Modelling Of Glass Fibre Reinforced Epoxy Composite Pipes Under Multiaxial Loadings' 2nd International Conference on Mechanical Engineering Research (ICMER **2013**), UMP, Pahang, 1-3 July **2013**
29. R. Daud, A.K. Ariffin, S. Abdullah, **M.S. Abdul Majid** and M. Afendi, 'Investigation Of Elastic Stress Shielding Damage Interaction Based On Fitness For Service (FFS) Codes' 2nd International Conference on Mechanical Engineering Research (ICMER **2013**), UMP, Pahang, 1-3 July **2013**
30. Mohd Afendi, Nur Athirah, **M.S. Abdul Majid**, R. Daud and Tokuo Teramoto, 'Experimental And Numerical Investigation Of V-Shaped Epoxy Adhesive Joint' 2nd International Conference on Mechanical Engineering Research (ICMER **2013**), UMP, Pahang, 1-3 July **2013**
31. A.R. Abdullah, Mohd Afendi, **M.S. Abdul Majid**, 'Effect Of Adhesive Thickness On Adhesively Bonded T-Joint' 2nd International Conference on Mechanical Engineering Research (ICMER **2013**), UMP, Pahang, 1-3 July **2013**
32. **M.S. Abdul Majid**, Mohd Afendi, Ruslizam Daud, A.G. Gibson and M. Hekman, 'Effects of winding angles in biaxial ultimate elastic wall stress (UEWS) tests of glass fibre reinforced epoxy (GRE) composite pipes' International Conference On Sustainable Materials (ICoSM 2013), Penang 26th-28th March **2013**
33. Mohd Afendi, **M.S. Abdul Majid**, Ruslizam Daud and Tokuo Teramoto, 'Stress Analysis and Failure Characterizations of V-shaped Epoxy Adhesively Bonded Joint', International Conference on Sustainable Materials (ICoSM 2013) Penang, 26th-28th March **2013**.
34. R. Daud, A.K. Ariffin, S. Abdullah, **M.S. Abdul Majid**, M.A. Rojan 'Mathematical Model of Elastic Crack Interaction and Two-Dimensional Finite Element Analysis Based on Griffith Energy Release Rate' International Conference On Sustainable Materials (ICoSM 2013), Penang, 26th-28th March **2013**
35. Paulraj M P, Sazali Yaacob, **Mohd Shukry Abdul Majid**, Nor Shaifudin and Pranesh Krishnan, "Damage Investigation of Steel Plates using Frame Energy Based Statistical Features, International Conference on Innovations in Communication, Information and Computing (ICIC'13), January, 9-11, **2013** at Sasurie College of Engineering, India.
36. Paulraj, M.P., Yaacob, S., **M.S. Abdul Majid**, Krishnan, R.P., 'Steel Plate Damage Diagnosis using Probabilistic Neural Network' 7th International Conference On Intelligent System And Control (ISCO '2013), art. no. 6481214 , pp. 545-549, Coimbatore, Tamilnadu, India, 4th-5th January **2013 (Scopus)**
37. Paulraj M P, Sazali Yaacob, **M S Abdul Majid** and Pranesh Krishnan "Application of Frame Energy Based DCT Moments for the Damage Diagnosis in Steel Plates Using FLNN", 2012 IEEE Student Conference on Research and Development [IEEE SCOReD 2012], Penang, Malaysia 5-6, December **2012**.
38. **M.S. Abdul Majid**, A.G. Gibson, J.M. Hale, T.A. Assaleh, C.A.P. Rookus, M.Hekman, M. Afendy, Haftirman, A.S. Abdul Rahman, 'Damage characterisation of glass fibre reinforced epoxy (GRE) pipes under biaxial ultimate elastic wall stress (UEWS) tests using acoustic emissions', 8th Asian-Australasian Conference on Composite Materials (ACCM8) Kuala Lumpur 6-8 November **2012**.
39. M. Afendi, Haftirman, **M.S. Abdul Majid**, A. Syayuthi, 'Closed-form Solutions for Epoxy Adhesively Bonded Dissimilar Joint' 8th Asian-Australasian Conference on Composite Materials (ACCM8) Kuala Lumpur 6-8 November **2012**. (poster presentation)
40. A. Syayuthi. A.R, Haftirman, M.Afendi, **M.S. Abdul Majid**, N.B.Weii, M.S. Abdul Manan, 'The Effect of Different Impact Velocities on Advanced Composite Material for Aircraft Application' 8th Asian-Australasian Conference on Composite Materials (ACCM8) Kuala Lumpur 6-8 November **2012**. (poster presentation)
41. **M.S. Abdul Majid**, M. Afendi, Haftirman, A.G. Gibson, J.M. Hale, M. Hekman, C.A.P Rookus, Modelling Of Ultimate Elastic Wall Stress (Uews) Tests For Glass Fibre-Reinforced Epoxy Composite Pipes, International Conference on Marine Technology (MARTEC), Kuala Terengganu, Malaysia, 20-22 October **2012**.
42. Mohd Afendi, **M.S. Abdul Majid**, Haftirman, A. Abdul Rahman, Toru Nakajima, and Tokuo Teramoto, Simple Strength Prediction of V-Shaped Epoxy Adhesive Joint, International Conference on Marine Technology, Kuala Terengganu (MARTEC), Malaysia, 20-22 October **2012**.
43. Haftirman, A. Syayuthi A. R, M. Afendi, **M. S. Abdul Majid**, Tee Chin Rong, Fatigue Behavior of Butt Welded Joints In A Mild Steel, International Conference on Marine Technology (MARTEC), Kuala Terengganu, Malaysia, 20-22 October **2012**.
44. **M.S. Abdul Majid**, A.G. Gibson, J.M. Hale, A. Fahrer, C.A.P. Rookus, M. Hekman, Acoustic emission monitoring of multiaxial UEWS tests on glass-epoxy pipes, 15th European Conference On Composite Materials (ECCM) 24-27 June **2012**
45. Paulraj M P, Sazali bin Yaacob, **Mohd Shukry Abdul Majid** and R Prenesh Krishnan, "Neural Network Based Structural Damage Detection in Steel Plates Using Time and Frequency Domain Features", International Conference on Computer Communication and Informatics (ICCCI), Sri Shakthi Institute of Engineering and Technology, Coimbatore, India, pp. 349-356, 11-12 January **2011**
46. **M.S. Abdul Majid**, A.G. Gibson, T.A. Assaleh, A. Fahrer, C.A.P. Rookus, M. Hekman Qualification And Test Procedures For GRE Fibreglass Pipe, DURACOSYS – 2010, 9th International Conference on Durability of Composite Systems 12 – 15 September **2010**, Patras – Greece
47. A.G. Gibson, **M.S. Abdul Majid**, T.A. Assaleh, A. Fahrer, C.A.P. Rookus, M. Hekman Qualification and Lifetime Modelling of Fibreglass Pipe, The 21st Annual International SICOMP Conference Piteå Sweden 3–4 June, 2010
48. **M.S. Abdul Majid**, A.G. Gibson, and T.A. Assaleh, J.M., Hale, Qualification and Test Procedures for Fiberglass Pipe for Oil and Gas Applications, 13th Middle East Corrosion Conference, MECC 14-15 Feb **2010** paper no:10127
49. Paulraj, M. P., **Mohd Shukry, A. M.**, Yaacob, S., Adom, A. H., & Krishnan, R. P. *Structural steel plate damage detection using DFT spectral energy and artificial neural network*. Paper presented at the Proceedings - CSPA **2010**: 2010 6th International Colloquium on Signal Processing and Its Applications, Melaka

50. Paulraj, M.P., **Majid, M.S.A.**, Yaacob, S., Rahiman, M.H.F., Krishnan, R.P., *Damage detection in steel plates using artificial neural networks*, 2009 International Conference on Control Automation, Communication and Energy Conservation, INCACEC **2009**, art. no. 5204365
51. Paulraj, M.P., **Majid, M.S.A.**, Yaacob, S., Rahiman, M.H.F., Krishnan, R.P., *Statistical time energy based damage detection in steel plates using artificial neural networks*, Proceedings of 2009 5th International Colloquium on Signal Processing and Its Applications, CSPA **2009**, art. no. 5069182, pp. 33-36
52. Paulraj, M.P., **Majid, M.S.A.**, Yaacob, S., Zin, M.Z.Md., *Motorbike engine faults diagnosing system using neural network*, International Conference on Electronic Design, ICED **2008**, art. no. 4786641.
53. Paulraj M P., **Mohd Shukry A. M.**, Sazali Yaacob, Abdul Hamid Adom, Manigandan T., R Pranesh Krishnan, *Structural Steel Plate Damage Detection using Artificial Neural Network*, Challenges and Innovations in Information Technology, **2010**, pp. 536-542
54. Paulraj M P., **Mohd Shukry A.M.**, Sazali Yaacob, Abdul Hamid Adom, R Pranesh Krishnan, *Structural Steel Plate Damage Detection using DFT Spectral Energy and Artificial Neural Network*, **2010** 6th International Colloquium on Signal Processing & Its Applications (CSPA'10).
55. Paulraj, M.P., **Majid, M.S.A.**, Yaacob, S., Rahiman, M.H.F., Krishnan, R.P., *Statistical time energy based damage detection in steel plates using artificial neural networks*, Proceedings of 2009 5th International Colloquium on Signal Processing and Its Applications, CSPA **2009**, art. no. 5069182, pp. 33-36
56. Paulraj, M.P., **Majid, M.S.A.**, Yaacob, S., Rahiman, M.H.F., Krishnan, R.P., *Damage detection in steel plates using artificial neural networks*, 2009 International Conference on Control Automation, Communication and Energy Conservation, INCACEC **2009**, art. no. 5204365
57. Paulraj M. P., **Mohd Shukry A. M.**, Sazali Yaacob, Mohd Hafiz F. R., R. Pranesh Krishnan, *Damage Detection in Steel Plates using Discrete Cosine Transformation Techniques and Artificial Neural Network*, Proceedings of the International Conference on Man Machine Systems (ICoMMS) 11-13 October **2009**, Batu Ferringhi, Penang, MALAYSIA.
58. Paulraj M P, **Mohd Shukry Abdul Majid**, Sazali Yaacob, T.Manigandan, R.Pranesh Krishnan, *Classification Of Articulation Position Using Neural Networks*, Proceedings of the International Conference on Digital Factory, ICDF **2008**, August 11-13, 2008, pp.1841-1844
59. Paulraj M P, **Mohd Shukry Abdul Majid**, Sazali Yaacob, M. Hariharan, Mohd Zubir Md Zin, "Automatic Motorbike Engine Fault Diagnosing System using Functional Link Neural Network in Wavelet Domain", 4th International Colloquium on Signal Processing and its Applications (CSPA 08), Malaysia, pp. 79-82, 7-9 March **2008**. ISBN: 9789834274795
60. Paulraj, M.P., **Majid, M.S.A.**, Yaacob, S., Zin, M.Z.Md., *Motorbike engine faults diagnosing system using neural network*, International Conference on Electronic Design, ICED **2008**, art. no. 4786641.
61. Paulraj M.P., **Mohd Shukry Abdul Majid**, Sazali Yaacob, M. Hariharan, Mohd Zubir Md Zain., *Identification Of Motorbike Engine Faults Using Critical Band Energy Spectrum Of Engine Noise Signals*. Intelligent Systems and Control, ISCO **2008**.
62. **M.S. Abdul Majid**, R. S. Birch, M.I. Jais. 'The Effects of Varying Target Hardness on Ricochet Angle'. *The 2nd International Conference On Solid State Science and Technology, ICSSST 2006*.
63. Zurriati Mohd Ali, Ow Chee Seng, Zulkifly Abdullah, Charan Retnasamy, Zaliman Sauli & **Mohd Shukry Abd Majid**. 'Robust Bonding Challenges In Thermo-Compression'. *International Conference on Science & Technology: Applications in Industry and Education. (ICSTIE 2006)*

National Conferences

64. Paulraj M P, Sazali Yaacob, **M S Abdul Majid**, Mohd Nor Fakhzan Mohd Kazim, Pranesh Krishnan "Structural Steel Plate Damage Detection using Non Destructive Testing, Frame Energy base Structural Features and Artificial Neural Networks", Malaysian Technical Universities Conferences on Engineering and Technology [MUCET 2012], November 20-21, **2012**. (Scopus)
65. **M.S. Abdul Majid**, A.G. Gibson, T.A. Assaleh, J.M., Hale Performance Envelopes for Glass Fibre Reinforced Epoxy (GRE) Pipe, 2011 Postgraduate Conference, School of Mechanical and Systems Engineering, Newcastle University, UK, 4-5 April **2011**. (poster presentation)
66. **M.S.Abdul Majid**, A.G.Gibson, J.M.Hale, *Investigation and modeling of ultimate elastic wall stress (UEWS) test*, **2010** Postgraduate Conference, School of Mechanical and Systems Engineering, Newcastle University, UK, 7th April **2010**, pp.212-227
67. **M.S.Abdul Majid**, A.G.Gibson, J.M.Hale, *Studies of the long-term behaviour of glass reinforced epoxy (GRE) pipes under biaxial stress*, 2009 Postgraduate Conference, School of Mechanical and Systems Engineering, Newcastle University, UK, 15-16 April **2009**, pp.136-149
68. Paulraj M.P., **Mohd Shukry Abdul Majid**, Sazali Yaacob, M. Hariharan, Wan Mohd Ridzuan Wan Ab Majid. 'Prediction of Reverberation Time in University Classrooms Using Neural Network.' Conference on Noise, Vibration and Comfort (NVC-2007), Kuala Lumpur, Malaysia, pp 489-495, November **2007**.
69. Paulraj M.P., **Mohd Shukry Abdul Majid**, Sazali Yaacob, M. Hariharan, Mohd Zubir Md Zain. 'Identification and Diagnosis of Motorbike Engine Faults'. Conference on Noise, Vibration and Comfort (NVC-2007), Kuala Lumpur, Malaysia, pp 285-292, November **2007**
70. **M.S. Abdul Majid**, M.N.A. Mohd Rejab, H. Zakaria, A. Mohamad, F.R. Ramli, M.A. Rahim. 'Experimental Investigation into the Effects of Varying Projectile Velocity on Ricochet Angle after Impacting Wooden Targets'. Conference on Applied and Design in Mechanical Engineering (CADME'07). **2007**
71. Faiz Redza Ramli, Mohd Rizal Alkahari, Hambali Boejang, **M.S. Abdul Majid**. 'Comparison of Tensile Bond Strength in Rapid Manufacturing of Knee Implant', Conference on Applied and Design in Mechanical Engineering (CADME'07). **2007**
72. Muhajir Ab Rahim, Mohd Arinal Abd. Halim, **Mohd Shukry Abdul Majid**. 'A Review of Memory Shape Alloy: Fundamental Aspects and Applications'. Conference on Applied and Design in Mechanical Engineering (CADME'07). **2007**
73. M.H.I Ibrahim, H. Zakaria, **M.S. Abdul Majid**. 'The Effect of Buckling Towards The Strength of FRP Pultruded Column'

- Conference on Applied and Design in Mechanical Engineering (CADME'07). 2007
74. **M.S. Abdul Majid**, Fazalul Rahiman M.H., M.N.A. Mohd Rejab, H. Zakaria, *Damage Detection using Non-Destructive Vibration Testing*, Colloquium in Engineering Technology (CET 2006).
 75. G.A.Quadir, Shah Fener Khan, Azizul Mohamad, **Mohd Shukry Abdul Majid**, Mohd Ismail Jais, *A review of some Micro Heat Exchanger*. Colloquium in Engineering Technology (CET). 2006

6. TEACHING/SUPERVISIONS

Teaching – undergraduate course

1. ENT 242/3 Solid Mechanics I (Semester 1 2014/15)
2. ENT 246/3 Solid Mechanics II (Semester 2, 2013/14)
3. ENT 242/3 Solid Mechanics I (Semester 1, 2013/14)
4. ENT 445/446 Final Year Project (Semester 1, 2013/14)
5. ENT 242/3 Solid Mechanics I (Semester 2, 2012/13)
6. ENT 414/4 Strength of Materials (Semester 2, 2012/13)
7. ENT 354/3 Solid Mechanics II Semester 1 2012/13
8. ENT 151/4 Statics (total of teaching time: 4 semesters)
9. ENT 250/4 Solid Mechanics (total of teaching time: 4 semesters)
10. ENT 444/6 Final Project (total of supervision time: 6 semesters)

Doctor of Philosophy

1. Doctor of Philosophy (Mechanical) by Research, 2013: (On-going): **Main supervisor:** Pranesh Krishnan, “Performance Envelope for Glass Fibre Reinforced Epoxy composite pipes under multiaxial loadings” School of Mechatronic Engineering, UniMAP
2. Doctor of Philosophy (Mechanical) by Research, 2014: (On-going): **Main supervisor:** Nursyazwani Binti Abdul Aziz,, “Damage Characterisation of Glass/Carbon Fibre Reinforced Composites Laminates Using Vibration Techniques” School of Mechatronic Engineering, UniMAP

Master of Science/Engineering (By Research/Dissertation)

1. Master of Science (Mechanical) by Research, 2014: (On-going): **Main supervisor:** Fahmi Bin Idris, “Low Impact Response of A Novel Napier Grass Fibre Composite” School of Mechatronic Engineering, UniMAP
2. Master of Science (Mechanical) by Research, 2013: (On-going): **Main supervisor:** Fartini Binti Mohd Suhut, “The Effect Of Nano-clay And Carbon Black On Thermo-mechanical Properties Of Epoxy/Composite Laminate” School of Mechatronic Engineering, UniMAP
3. Master of Science (Mechanical) by Research, 2014: (On-going): **Co-supervisor:** Ku Hafizan bin Ku Bahaudin, “Durability and Microwave Non-destructive Evaluation of Composites/Aluminium Hybrid Joints for Lightweight Automotive Structures” School of Mechatronic Engineering, UniMAP
4. Master of Science (Mechanical) by Research, 2013: (On-going): **Main supervisor:** Muhammad Haameem bin Jameel Ahamad, “Mechanical Properties Characterization of a Novel Napier Grass Fibre Reinforced Epoxy Composites Laminates” School of Mechatronic Engineering, UniMAP
5. Master of Science (Mechanical) by Research, 2013: (On-going): **Main supervisor:** Hawa binti Ahmad, “Effects Of Aging On Ultimate Elastic Wall Stress (UEWS) Test Of Glass Fibre Reinforced Epoxy (GRE) Pipes Subjected To Impact Loading” School of Mechatronic Engineering, UniMAP.
6. Master of Science (Mechanical) by Research, 2013: (On-going): **Main supervisor:** Nurul Fitriah Binti Suhaimi “Experimental and Modelling Analysis of Crushing Behavior of Glass Fiber Reinforced Epoxy Pipe: The Effects of Winding Angles, Aging and Temperature” School of Mechatronic Engineering, UniMAP.
7. Master of Science (Mechanical) by Research, 2013: (On-going): **Main supervisor:** Siti Nazirah Binti Zamri “Modelling and Analysis of Filament Wound Glass Reinforced Epoxy (GRE) Composite Pipes Under Multiaxial Loading of Ultimate Elastic Wall Stress (UEWS) Test” School of Mechatronic Engineering, UniMAP.
8. Master of Science (Mechanical) by Research, 2013: (On-going): **Main supervisor:** Nur Farhana Izwani Bt Mohamad Ezani “Determination Of Composite’s Fibre/Matrix Composition Using Non- Destructive Vibration Technique.” School of Mechatronic Engineering, UniMAP.
9. Master of Science (Mechanical) by Research, 2013: (On-going): **Co-supervisor:** Nor Bakyah Binti Abu, “Effects Of Bond Thickness On Interfacial Fracture Toughness Of T-Joints In Fluidization Bed” School of Mechatronic Engineering, UniMAP
10. Master of Science (Mechanical) by Research, 2013: (On-going): **Co-supervisor:** Mohammad Firdaus Bin Sharom, “Tabular Composite Adhesive Joint Under Dynamic Impact Loading” School of Mechatronic Engineering, UniMAP
11. Master of Science (Mechanical) by Research, 2013: (On-going): **Co-supervisor:** Nur Athirah binti Mat Nawi, “Closed-form solutions and stress analysis of adhesively bonded dissimilar joint” School of Mechatronic Engineering, UniMAP
12. Master of Engineering (Mechatronics) by Research, 2013 (On-going): **Co-supervisor:** Jackie Teh, “Design and development of emphatic service robot using EEG and EMG signal” School of Mechatronic Engineering, UniMAP
13. Master of Science (Mechatronics) by Research, 2013 (On-going): **Co-supervisor:** Ang Jia Yi, “Development on Micro Vibration Control System for Star Tracker in Attitude Determination” School of Mechatronic Engineering, UniMAP
14. Master of Science (Mechanical) by Research, 2009 (On-going): **Co-supervisor:** Mohd Hilman bin Akil Tan, “Study of composition and structural properties of materials by vibration technique and neural network” School of Mechatronic Engineering, UniMAP
15. Master of Science (Mechanical) by Research, 2008-2011 (completed): **Co-supervisor:** Pranesh Krishnan, “Structural Damage Detection in Steel Plates using Artificial Neural Network” School of Mechatronic Engineering, UniMAP.

B. Engineering (Dissertation)

1. B.Eng. (Mechanical Engineering), Saifullah Bin Jalaludin, "Effects of nanoclay on thermo-mechanical properties of unsaturated polyester resin" 2013/14
 2. B.Eng. (Mechanical Engineering), Dayang Norhafizah Binti Abd Rahman, "The study of ply thickness configuration of composite panel and their thickness issue" 2013/14
 3. B.Eng. (Mechanical Engineering), Chim Chern Hong, "Chemical composition and structural characterization of Napier grass fibres" 2013/14
 4. B.Eng. (Mechanical Engineering), Tang Keng Tiam, "Mechanical properties characterisation of a novel Napier grass fibre reinforced composites" 2013/14
 5. B.Eng. (Mechanical Engineering), Mohammad Hafnizam Bin Suhaimi, "Effects of carbon black on thermo-mechanical properties of unsaturated polyester resin" 2013/14
 6. B.Eng. (Mechanical Engineering), Noralfitri Bin Omar, "CFD analysis of bodywork for UniART formula student car" 2013/14
 7. B.Eng. (Mechanical Engineering), Pang Weng Loong, "Dielectric properties characterisation of a novel Napier grass fibre reinforced composites" 2013/14
 8. B.Eng. (Mechanical Engineering), Nur Adiba Binti Mohd Hassan, "Effect of moisture on interlaminar shear stress (ILSS) test of glass fibre reinforced epoxy (GRE)" 2013/14
 9. B.Eng. (Mechanical Engineering), Siti Khalijah Bt Ahmad Shariffuddin, "Effect of elevated temperature on interlaminar shear stress (ILSS) test of glass fibre reinforced epoxy (GRE)" 2013/14
 10. B.Eng. (Mechanical Engineering), Azhar Bin Rahmat, "Design, modelling and analysis of a small satellites" 2013/14
 11. B.Eng. (Mechanical Engineering), Shahrizat Huzani bin Maula Husain, "Shear response modelling of glass fibre reinforced epoxy (GRE) laminates" 2012/13
 12. B.Eng. (Mechanical Engineering), Muhamad Alif bin Mohd Noor, "Damage cumulative model of multiaxial ultimate elastic wall stress (UEWS) test using Miner's Law" 2012/13
 13. B.Eng. (Mechanical Engineering), Mohd Faiz bin Abdul Halim, "Interlaminar shear stress (ILSS) test of glass fibre reinforced epoxy (GRE) under elevated temperatures" 2012/13
 14. B.Eng. (Mechanical Engineering), Som Thop a/I Emai, "Effects of aging in interlaminar shear stress (ILSS) test of GRE laminate" 2012/13
 15. B.Eng. (Mechanical Engineering), Muhammad Izzat bin Ismail, "Effects of curing level on elastic behaviour of pure epoxy resin" 2012/13
 16. B.Eng. (Mechanical Engineering), Muhammad Haameem bin Jameel Ahamad, "Effects of elevated temperatures and strain rates on compression properties of polyester resin" 2012/13
 17. B.Eng. (Mechatronic Engineering), Mohd Ikhwan Hafizi Bin Yahya, "Design And Analysis Of Go-Kart Chassis Using Solidwork" 2007/08
 18. B.Eng. (Mechatronic Engineering), Abdul Fadzil bin Abdul Latib, "Studies Of A Classroom Acoustic For Teaching Facilities" 2006/07
 19. B.Eng. (Mechatronic Engineering), Lim Poh Tean, "Design Of A Classroom Acoustic Facility For Teaching" 2006/07
- 7. AWARDS**
- Academic**
1. Anugerah Perkhidmatan Cemerlang (Excellent Awards) **2012**
 2. Awarded 'Skim latihan Akademik' to pursue PhD in Mechanical Engineering at Newcastle University, **2008**
 3. Anugerah Khas Perkhidmatan Cemerlang bagi kategori Penyelidik Cemerlang **2009** – for 'An Intelligent Embedded system for motorbike fault diagnosis' product
 4. Anugerah Khas Perkhidmatan Cemerlang bagi kategori Penyelidik Cemerlang **2007** – for 'Heart Caring Handy' product
 5. Awarded 'Skim latihan Akademik' to pursue M.Sc. in Mechanical Engineering at Liverpool University, **2004**
- Research**
1. **Silver** medal at ITEX **2014**, 8-10 May - *An Automatic Portable Pressure Testing Rig To Determine The Performance Of GRE Composite Pipes Under Various Stress Ratios*
 2. **Silver** medal at ITEX **2014**, 8-10 May - *Prototype Of Compact Micro-Flexural Fatigue Testing Machine*
 3. **Gold** medal at Ekspo Rekacipta, UniMAP **2014**, 7 Jan - *An Automatic Portable Pressure Testing Rig To Determine The Performance Of Gre Composite Pipes Under Various Stress Ratios*
 4. **Gold** medal at Ekspo Rekacipta, UniMAP **2014**, 7 Jan - *Prototype Of Compact Micro-Flexural Fatigue Testing Machine*
 5. **Silver** medal at Ekspo Rekacipta, UniMAP **2014**, 7 Jan - *A Novel Naper Grass Fibere Reinforced Epoxy Composites Laminates*
 6. **Bronze** medal at i-ENVEX, UniMAP 16th-19th April **2013** - *Prototype Of Compact Micro-Flexural Testing Machine*
 7. **Silver** medal at Ekspo Rekacipta, UniMAP **2013**, 6 Jan - *Prototype Of Compact Micro-Flexural Testing Machine*
 8. **Bronze** medal at 9th Malaysia Technology Expo (MTE '10) 2010 - *An Intelligent Non Destructive Damage Detection System.*
 9. **Gold** Medal at Ekspo Rekacipta, UniMAP 2009, Jan 7, **2010** - *An Intelligent Non Destructive Damage Detection System*
 10. **Silver** medal at 8th Malaysia Technology Expo (MTE '08), **2008** - *An Intelligent Embedded system for motorbike fault diagnosis*
 11. **Gold** medal at Ekspo Rekacipta dan Pameran Penyelidikan UniMAP **2007** - *An Expert System For Motorbike Engine Fault Diagnosis*
 12. **Bronze** medal at Pameran ITEX **2006** - *Heart Caring Handy*
- 8. INTERNATIONAL/UNIVERSITY/FACULTY/SCHOOL COMMITTEES**
1. Judge for Malaysian International Robot Competition (MIRuC 2014), 11th -13th April 2014.

2. General Secretary for Joint Conference ICoMMs/ICADMe/ICoBE, 30-31st 2015
3. Penceramah bagi Thesis Writing Workshop di Anjung UniMAP, Kulim Hi-Tech Park, 25 Jan 2014
4. Outcome Based Education (OBE) Team leader in ensuring the accreditation of Mechanical, Mechatronic and Biomedical Electronics Engineering programs by Engineering Accreditation Council (EAC)
5. Program Technical Director for Formula UniMAP 13-15 Sept. 2013
6. Panel Penilai Pra-Audit Program Kejuruteraan Universiti Malaysia Perlis, 11-12 Sept. 2013
7. Technical Advisor for UniART Racing Team 2012-present - Participate in EIMA, IPMA, Youth and Formula Varsity racing.
8. Pegawai penerima di PPK Mekatronik Julai 2012-Dis 2013
9. Oral session chairman, International Conference On Sustainable Materials (ICoSM 2013), Penang 26th -28th March 2013
10. Location Manager, Program Baktisiswa (7 Pillars) , 7-8 Dis 20012
11. Ahli Jawatankuasa Pelaksana 'Projek Menghijaukan Kampus UniMAP', 9th November 2012 - present
12. Secretary for National Space Colloquium 2012 (NSC '12) , 1-2 November 2012
13. Publicity and Fundraising committee, Conference on Applied and Design in Mechanical Engineering (CADME'07). 2007
14. Committee member in organizing, 1st International Conference on Man-Machine Systems 2006 (ICoMMs '06)
15. Facilitator for motivation programme Year 1 PPK Mechatronic students, 10 March 2007.
16. Committee of ROBOCON 2006 competition organized by PPK Mechatronic.
17. Committee of Design Competition Chancellor Cup, KUKUM 14-16 July 2004

9. TRAININGS/WORKSHOPS

1. BEM Mandatory Course – Code of Ethics & Regulations, Bilik Seminar Tun Mahathir, Seriab, 28th-29th April 2014
2. Malaysia-India Education Strategic Planning Workshop, Universiti Sains Malaysia (USM) 15th -16th April 2014
3. "Outcome Based Education (OBE)" Workshop, 14 April 2014.
4. Workshop on Re-alignment of PO-CO mapping and OBE implementation at UniMAP 10-11th Feb 2014
5. BEM Mandatory Course – Safety And Health At Works, Bilik Seminar Tun Mahathir, Seriab, 22-23 October 2013
6. Forum Pasca PRU 13 vs Merdeka raya, UniMAP, 29th Ogos, 2013
7. Seminar "CDIO Framework for Re-thinking Engineering Education" 8th July 2013
8. Seminar Pemikiran Islam & Nasional (SPIN), 21th Jan 2013
9. Workshop on quality academic for engineering programme towards 2013 accreditation visit, 27-28th August 2012
10. PPK Mekatronik Research Camp, 26 July 2012
11. Program Kepimpinan Inovatif dan transformasi pensyarah muda 2012, 9-11 July 2012
12. Program Latihan Transformasi 1Malaysia (Pensyarah Muda) 2-4 July 2012
13. Seminar Akademik Antarabangsa, 28th June 2012
14. Bengkel 'Green Campus' Unimap, 12th June 2012
15. Kursus Pendek Pengajaran & Pembelajaran PPK Mekatronik, 18th April 2012
16. Kursus Kenegaraan Sistem Saraan Malaysia PTK1 22-26 November 2007
17. Seminar Silicon Rubber Mould & room temperature vulcanizer (RTV) mould, 21-25 August 2007
18. Introduction to Fatigue 30-31 July 2007
19. Computational Fluid Dynamics software, EFD Lab V7, 11-12 July 2007
20. Kursus Induksi Umum, Kumpulan Pengurusan dan Profesional serta Sokongan 1, 23 Mei – 8 June 2007
21. Kursus Kaedah Penyelidikan, 17-18 April 2007
22. Kursus Pengajaran dan Pembelajaran 4-15 December 2006
23. CosmosWorks Professional with Motion course in SolidWorks 2005, 3-7 July 2006
24. SolidWorks Office Professional course in SolidWorks 2005, 12-16 June 2006
25. Kursus Kemahiran Kaunseling II Staf Akademik UniMAP, 30 Mei – 1 June 2006.
26. Kursus Kemahiran Kaunseling I Staf Akademik UniMAP, 12-14 December 2005.
27. Basic PLC Training (CPM1A) 12 July 2004
28. Kursus Kenegaraan Sistem Saraan Malaysia PTK1 8-12 Mei 2004

10. INDUSTRIAL COLLABORATIONS/CONSULTATIONS

1. Advanced Materials Research Centre (AMREC), SIRIM Kulim High Tech, "A novel Napier grass fibre reinforced polyester composites", 18 Feb 2014 - present
2. Asian Composite Manufacturing Sdn. Bhd. (ACMSB), Project title: A Study of Relationship between the Behaviour of CPT (Cure Ply Thickness) Reading to the Actual Ply Thickness Configuration of Composite Wing Panel. 8th October 2013 - present
3. Fuji Electrics (M) Sdn Bhd, Kulim High Tech, The project entitled 'Investigation of lubricant optimization applied on magnetic disk media surface' July 2013 - present
4. Advanced Materials Research Centre (AMREC), SIRIM Kulim High Tech, Performance Investigation of Glass Fibre Reinforced Epoxy (GRE) Pipe under Multiaxial loadings', 4 June 2013 - present
5. Future Pipe Industries BV, Netherlands - The project entitled 'Performance Envelopes for Glass Fibre Reinforced Epoxy (GRE) Pipe 1st October 2008 - 22nd December 2011.