

CURRICULUM VITAE 2024

IR. DR. NURAINI BINTI ABDUL AZIZ



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CURRICULUM VITAE



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ACADEMIC QUALIFICATION:

- Universiti Kebangsaan Malaysia, PhD (Mechanical and Materials Engineering)
- Universiti Putra Malaysia, MSc. (Mechanical Engineering)
- Universiti Putra Malaysia, B. Eng. (Mechanical/System)
- Universiti Pertanian Malaysia, Dip. (Agriculture Engineering)

Professional Qualification/Membership/Affiliation:

- Member, BEM (P118418)
- Member, IEM (G41333)
- Life Member, MySET (00337)

Appointments:

Year	Position
July 2014 to date	Associate Professor, Dept. of Mech. & Manuf. Eng., Faculty of Eng., UPM
Nov 2015 to Oct 2016	Project Engineer in TranSafe Consultant Sdn. Bhd.
April 2009 to June 2014	Senior Lecturer, Dept. of Mech. & Manuf. Eng., Faculty of Eng., UPM
Nov 1998 to March 2008	Tutor, Dept. of Mech. & Manuf. Eng., Faculty of Eng., UPM
Dec 1997 to Oct 1998	Mechanical & Electrical Engineer (J41), Malaysian Agricultural Research and Development Institute (MARDI)

Area of Interest:

- Mechanical Engineering Design (Applied Mechanics)
- Thermo-fluids
- Vehicle Engineering (Engine and Vehicle Structure)
- Material (Crashworthiness, Rollover, Impact Analysis)
- Optimization Method (Multidisciplinary, Stochastic)

Teaching Experiences:

Code	Credit	Name	Level
EMM3102	(2+0)	Static	Undergraduate
EMM3112	(2+1)	Fluid Mechanics I	Undergraduate
EMM3213	(3+0)	Thermodynamics I	Undergraduate
EMM3302	(3+0)	Fluid Mechanics II	Undergraduate
EMM3508/3509	(1+2)	Engineering Design II	Undergraduate
EMM3516/4947/4948	(1+2)/(0+4)	Integrated Design	Undergraduate
EMM4208	(3+0)	Internal Combustion Engine	Undergraduate
EMM4304	(3+0)	Fluid Power	Undergraduate
EMM4504	(3+0)	Vehicle Body Analysis	Undergraduate
EMM4512	(3+0)	Finite element Method in Engineering Analysis	Undergraduate
EMM5504	(3+0)	Product Design and Engineering Innovation	Master
EMM5624	(3+0)	Supply Chain Management	Master

Student Supervision:**PhD (CHAIRMAN)**

Name	Thesis Title	Year/Status
Seyed Amir Hossein Khosh Solat	Optimization of Electric Load Factor by Using Multi Criteria Decision Making	Graduated
Siti Marhainis Binti Abu Mansor	Numerical and Experimental Impact Analysis of Origami Patterned Crash-Box Structure	Graduated
Nur Isnida Binti Razali	Framework Development of Strength Analysis of Bus Superstructure According to R66-Annex 9	Finished viva
Siti Aishah Rusdan	Finite Element Investigation of the Influence of Geometric Parameters on the Crashworthiness of Edgewise Composite Sandwich Panel	Ongoing
Salmi Bin Samsudin	Development of Moderating Factor Between Sub Bituminous Coal Characteristic and Boiler Performance in Sub Critical Boiler	Graduated

PhD (MEMBER)

Name	Thesis Title	Year/Status
Ahmad Baharuddin Bin Abdullah	Geometrical and Dimensional Error Assessment of Complex Cold Forged Part	Graduated
Salwani Bt. Mohd Salleh	Concept Design of a Lightweight with High Crushing Energy of Vehicle Front Structure using FEM	Graduated
Rosli Bin Darmawan	The Study on the Enhancement of Research Reactor Cooling Pool System for Higher Flux Reactor	Graduated
Ali Hassan Zadeh Lileh Koohi	Crash Simulation of Automotive Components	Graduated
Mohammed W. Muhieldeen Al-Gailani	Comfortable Environment of The Lecture Hall in Tropic Climate By using Polythene Single Bubble	Graduated
Kwong Qi Jie	Developments of A Thermal Comfort Model for Indoor Thermal Environment In A Radiant Cooled Floor Office in Malaysia	Graduated
Mai NurSherida Bt Jalaluddin	Development Of 1 Year Old Asian Dummy Model For The Finite Element Prediction Of Injury In Automotive Crash	Graduated
Cik Suhana Binti Hassan	Numerical And Experimental Crash And Stress Analysis On Oil-Palm Fiber Reinforced Composite On Car Bumper	Graduated
Munir Faraj Almabrauk	Crushing Behavior Of Natural Fiber (Kenaf) Reinforced Hexagonal Composite Tube.	Graduated
Faris Mohammed Khair Faris Al-Oqla	Date Palm Fibers In Natural Fiber Reinforced Polymer Composite Materials Using Decision Making Via Analytical Hierarchy Process (AHP)	Graduated
Muhd Ridzuan Mansor	Development Of Hybrid Short Kenaf/Glass Fibre Reinforced Polypropylene Composite For Automotive Parking Brake Lever	Graduated
Mohammed Serdah M	Variable Valve Timing Analysis By Optimizing Cam Profiler	Graduated
Adnan Abbas Abdulnabi	Effects of Irradiation and Particle Size of Crumb Rubber on the Tire Tread Properties : Experimentally and Finite Element Simulation Study	Graduated

Kafel Abdulazeez Mohammed	Forced Convection Nanofluids Through Corrugated Facing Step Channels	Graduated
Mastura binti Mohammad Taha	Concurrent Conceptual Design and Materials and Manufacturing Process Selection of Hybrid Natural/Glass Fiber Composite for Automotive Anti-Roll Bar	Graduated
Ibrahim Abdullahi Rafukka	Development of Three Year Old Numerical Child Model for Nigerian Population: Towards Improved Vehicle Safety	Graduated
Chng Ming Hui	R32 Refrigerant Flow Maldistribution Correlation Development and Quantitative Analysis of Microchannel Heat Exchanger	Graduated

MASTER BY RESEARCH (CHAIRMAN)

Name	Thesis Title	Year/Status
Zainal Abidin Shah Mattar	Welding Parameter Optimization Using Taguchi Method and Grey Relational Analysis for Gas Welded Arc Welding A1008 Butt-Joint	Graduated
Ahsanul Kaiser	The Volume of Displacement Effects' on Performance and Emission of A HCCI Engine Using Kerosene	Graduated
Mohammad Izadi Najafabadi	Ignition Timing Estimation of Homogeneous Charge Compression Ignition Engine Using Computational and Experimental Methods	Graduated
Najihah Binti Md Zain @Abdul Rahman	An Analytical Model of Homogeneous Charge Compression Ignition Engine for Performance Prediction	Graduated
Mohamad Zamin Bin Mohamad Jusoh	The Mechanism of Mangrove Tree in Wave Energy Propagation	Graduated
Mahathir Bin Rahman	Finite Element Analysis of Bus Super Structure Due to Rollover	Graduated
Radhwan Ali Abd Al-Reda	Effect of LPG with Gasoline on Combustion Performance and Emissions in Diesel Engine	Graduated
Salmi Bin Samsudin	Effects of Sub-Bituminous Coal on Boiler Performance Plant	Graduated

MASTER BY RESEARCH (MEMBER)

Name	Thesis Title	Year/Status
Muntasser Abdulabbas Mossa	An Experimental Study of the Performance of a Homogeneous Charge Compression Ignition (HCCI) Engine Fuelled with Used Cooking Oil Based Biodiesel	Graduated
Hasyuzariza binti Muhamad Tobib	An Experimental Study of the Performance of a Homogeneous charge Compression Ignition (HCC) Engine Fueled with Palm Oil Based Biodiesel	Graduated
Hassan Abdulhadi Jasim	Effects of Piston Crown Profiles on Performance of A gasoline Homogeneous Charge Compression Ignition Engine using Computational Fluid Dynamics	Graduated
Asghar Hozoorbakhsh	Parametric Investigation of Heat Transfer and Fluid Flow on Laser Micro-Welding	Graduated
Nurul Izzah binti Khalid	Kinetics of Fouling Deposit Removal of Pink Guave Pures in a Cleaning-In-Place Test Rig	Graduated

Mai Nursherida binti Jalaluddin	Performance of Front Bumper and Hood System with Pedestrian Safety Subjected to Frontal Impacts	Graduated
Asnawi	Effects of Hydrogen Enrichment on Compressed Natural Gas Engine Performance and Emissions	Graduated
Mohammadmahdi Ghiji	Computational Fluid Dynamic Analysis of Knock Onset in Diesel Dual-Fuel Engine	Graduated
MASTER BY COURSEWORK		
Name	Thesis Title	Status
Nor Hafidah Binti Halliah	Employee Satisfaction and Ergonomic Assessment in Manufacturing Industry	Graduated
Karthigesu A/L Thanarasi	Thermal Analysis for Cubesat Aluminium Structure	Graduated
Nazira Binti Mahmud	Assessment of Fair and Reasonable Extension of Time and Constructive Acceleration Claims	Graduated
Mohsen Zaeri	Investigating the Effects of Office Automation on Customer Satisfaction	Graduated
Meisam Allami	Stress Analysis Study of Linkages of Trailer	Graduated
Noor Wafa Syafira Nasharuddin	Quality in Manufacturing	Graduated
Amar Ridzuan Bin Abdul Hamid	Crash Simulation of Racing Car Front Impact Structure	Graduated
Muhammad Abdul Hakim bin Ab Razak	Total Quality Management Practices in Malaysian Small and Medium Enterprises	Graduated
Cheong Jan Xi	Design an Efficient Steam System for Glove Manufacturing Plant	Graduated
Nor Hazwani Binti Rosley	The Quality Performance Improvement in Manufacturing process/Design Based on Former Knocking Defect Gloves Failure Product Performance using Quality Tools of PDSA Cycle Technique	Graduated
Vikneswaran Mariappan	Triz Tools Implementation Managing Defects in Coal Fired Power Plant	Graduated
Wajdi A. Noor	Costing Overview for AlMussaiab Steam Power Plant and its Impact on the Energy Production	Graduated
Lyana Afifi Ahmad Kamry	Efficiency of Electricity Management in Wedgewood Residences	Graduated
Syahril Sulaiman	Effects of Negative Stiffness Honeycombs to Non-Pneumatic Tyre	Graduated
Mohamed Shubar	3D modelling and stress analysis of flare gas piping by using CAESAR II software	Graduated

Research Projects:

Year	Topic/Sponsor	Role (Main/ Co-Researcher)	Amount
2009-2011	Simple Durability Programming Integrate with LS-Dyna Post Processing (COFEC Car Crash Cluster), MOSTI-TECHNOFUND	Co-Researcher	RM 606,800
2010-2012	Stochastic Optimization of Free Piston Engine Design Operating with Homogeneous Charge Compression Ignition (HCCI), UPM-RUGS	Main Researcher	RM 30,000
2012-2014	Homogeneous Charge Compression Ignition (HCCI) Combustion System as Alternative for Conventional Combustion System of an Engine, KPM-ERGS	Main Researcher	RM 50,000
2012-2014	Modelling of Physical Properties of Semi and Fully Synthetic Engine Oil using Numerical Method Based on The Relationship Between Use Age and Temperature, KPM-FRGS	Main Researcher	RM 46,000
2013-2015	Development of Smart CNG-H ₂ -Air Mixer and Control Systems for Multi Fuel Vehicle, UPM-IPB	Co-Researcher	RM 169,400
2013-2015	Adult and Child Occupant Injury Criteria in CNGIDI Bifuel Multi Purpose Vehicle (MPV), UPM-IPS	Co-Researcher	RM 15,000
2013-2015	Assessment on the Interfacial Reaction and Mechanical Properties of Composite Mud Bricks Reinforced with Dried Rice Husk and Rice Husk Ash, KPM-FRGS	Co-Researcher	RM 106,790
2013-2015	Development of 1-year old Asian dummy model for the finite element prediction of injury in automotive crash, KPM - FRGS	Co-Researcher	RM 82,000
2013-2016	Development of Origami Patterned Crash-Box for Bi-Fuel Vehicle, UPM-IPS	Main Researcher	RM 15,000
2013-2016	Design and Analysis the Ability New Type of Viscometer for Diversification Viscosity: Stress Wave Viscometer, UPM-IPB	Main Researcher	RM 200,000
2015-2018	A Fundamental Study of Knocking Behaviour in Homogeneous Charge Compression Ignition (HCCI) Engine Fuelled with Palm Oil and Egusi Based Biodiesel, KPM-FRGS	Co-Researcher	RM 128,000
2015-2018	Numerical and Experimental Crash and Stress Analysis on Unidirectional Oil-Palm Empty Fruit Bunch (OPEFB) Fiber Reinforced Polypropylene on Car Bumper, UPM - IPS	Co-Researcher	RM 20,000
2015-2016	Conceptual design and Design Sustainability, Finite Element analysis and Optimization of hybrid glass/sugar palm fibre reinforced polyurethane composite automotive anti-roll bar, UPM-Putra Berkumpulan	Co-Researcher	RM 241,400
2016-2018	Fundamentals Study on the Performance of a Homogeneous Charge Compression Ignition Engine (HCCI) Fueled with Palm Oil and Algae Based Biofuels, UPM - IPM	Co-Researcher	RM 60,000
2017-2019	Energy Absorption Capability and Strength Analysis of Metal Matrix Functionally Graded Composite Structures During Crashworthiness and Rollover Test, UPM-IPB	Main Researcher	RM 84,000
2019-2022	Engineering Knowledge Transfer Units to Increase Student's Employability and Regional Development (ERASMUS PROJECT - FH JOANNEUM GESELLSCHAFT)	Co-Researcher	RM 4,511,868
2019-2024	Research Infrastructure and Utilities (UTM-UPM OTEC Centre - Ocean Energy R&D Facility)	Co-Researcher	RM 1,200,000

2021-2023	Investigation of crashworthiness properties of oil palm empty fruit bunch (OPEFB) fibre reinforced epoxy composites for automotive crash box application (Collaboration with UCSI)	Main Researcher	RM 27,668
2023-2026	Examining the Stability and Control of Vehicles in Drifting and Aggressive Maneuvers Beyond the Limits of Tire-Road Friction (FRGS - FUNDAMENTAL RESEARCH GRANT SCHEME)	Co-Researcher	RM 122,000

Products:

Patent

- 1.A Lightweight Rear Bumper with Crash Worthy Compartment – PI 2012700830
- 2.A Crashworthy Side Sill Reinforcement for A Vehicle – PI 2012701263
- 3.Secondary Fuel-Air Mixer for Internal Combustion Engine and Fuel Burner – PI2016703422

Exhibitions and Competitions

- 4.Muhammad Safwan Bin Anuari, **Nuraini Abdul Aziz** and Azmah Hanim Mohamed Ariff Development of In-Pipe Water Pollution Detection System (CREST) in Innovate Malaysia Design Competition 2021 (**Participant**)
- 5.**Nuraini Abdul Aziz** and Azmah Hanim Mohamed Ariff. 2021, Water Pollution Detection System, Putra Innocreative in Teaching and Learning Carnival (PICTL), 21 – 28 October 2021, Universiti Putra Malaysia (**BRONZE**).
- 6.Assoc. Prof. Dr. Mohamed Ansari M.Nainar, **Assoc. Prof Ir. Dr. Nuraini Abdul Aziz**, Assis. Prof. Dr Dr.Zeid Fadel Albahash. 2019, Design enhancement on safety device for highway transportation, Research Collaborator with UNITEN in 30th International Invention, Innovation & Technology Exhibition, Malaysia. 2 – 4 May 2019, Kuala Lumpur Conventional Center (**SILVER**)
- 7.**Nuraini Abdul Aziz** and Azmah Hanim Mohamed Ariff. 2018, Design of Indoor Green House, Putra Innocreative in Teaching and Learning Carnival (PICTL), 1 – 2 August 2018, Universiti Putra Malaysia (**GOLD**).
- 8.Nurul Izzah Khalid, NorBismi Nordin, Raihanah Karudin, Norashikin Ab. Aziz, Faah Saleena, **Nuraini Abdul Aziz**, Nur Suhaili Mohd Dali. 2014. A Sustainable CIP Program for Pink Guava Puree Factory, International Engineering Invention & Innovation Exhibition (i-ENVEX), 11 – 13th April, Universiti Malaysia Perlis (**Participant**).
- 9.Nurul Izzah Khalid, Kua Beng geik, Chia Zao Yen, Noor Zafira Noor Hasnan, Norashikin Ab. Aziz, Farah Saleena Taip, **Nuraini Abdul Aziz**, Mohd Shamsul Anuar, NurasilahBinti Zaino Din. 2013. Test Rigs for Evaluation of Cleaning-in-Place (CIP) Performance, International Engineering Invention & Innovation Exhibition (i-ENVEX) and Malaysian International Young Inventors Olympiad (MIYIO), 16 – 19th April, Universiti Malaysia Perlis (**BRONZE**).

Potential product/New knowledge

10. Water Pollution Detection System (Co-Researcher)
- 11.Design of Indoor Green House (Main Researcher)
- 12.Development of Origami Patterned Crash-Box for Bi-Fuel Vehicle (Main Researcher)
- 13.Design and Analysis the Ability New Type of Viscometer for Diversification Viscosity: Stress Wave Viscometer (Main Researcher)
- 14.Bus Structure Analysis UNECE R66 –TranSafe Consultant Sdn. Bhd.(Main Researcher)
- 15.Eureka Efektif Sdn Bhd on Bypass pigging project (Co-researcher)
- 16.Removal Kinetics of Pink Guava Puree Fouling Deposit (Co-researcher)
- 17.Value Engineering - Link up with Universities Programme: VAVE Project (Proton Exora) (Co-researcher)
- 18.Value Engineering - Link up with Universities Programme: VAVE Project (Proton Saga) (Co-researcher)

Seminar/Conferences:

1. **Nuraini Abdul Aziz**, M.A.A. Shubar, Abdul Aziz Hairuddin, 2023. Thermal Stress Analysis of U-type Expansion Loops for Piping System. International Conference on Advances in Materials & Processing Technologies (AMPT 2023), 13 - 16th September 2023, Bangi, Malaysia.
2. **Nuraini Abdul Aziz** and Iyad Mohamed, 2022. Investigation of Energy Absorption Capabilities of Thin-Walled Aluminium Structure with Different Thickness. WORLD FORUM FOR WOMEN IN SCIENCE 2022, Faculty of Science, UPM, Serdang, Selangor.
3. Nuraini A. A., Hassan, Wan Zuha Wan, **M. A. Azmah Hanim**, RECENT ADVANCES IN POLYMER AND PEROVSKITE BASED THIRDCGENERATION SOLAR CELL DEVICES. The International Symposium on Polymeric Materials 2022, Full Paper, Other Abstracting / Indexing Bodies, Advanced Engineering Materials and Composites Research Centre (AEMC), Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, 43400 UPM Serdang, Selangor Darul Ehsan, Malaysia, International, 9789672679301, [67 - 69], MALAYSIA, 2022
4. **Nuraini Abdul Aziz** and Nur Fitriana Ma'aruf 2022. Awareness Assessment of Unece-R66 (Annex-9) for Large Passenger Vehicles Superstructure Strength. International Conference on Mechanical Engineering -2022 (ICME-22), Lahore, Pakistan **Nuraini A. A.** - *A design rationale representation approach based on intent-driven ontology and MBD model in design change* The 8th International Conference on Mechatronics and Mechanical Engineering, [26-11-2021 - 28-11-2021], International
5. **Nuraini A. A.**, Salmi Samsuddin, *Deviation of SOX and NOX from Coal Combustion to the Coal Gross Value* International symposium Advanced Materials & Processing 2021, [13-07-2021], International
6. **Nuraini Abdul Aziz** 2019. TRIZ Tools Implementation Managing Defects in Coal Fired Power Plant. International Conference on Advances in Mechanical and Manufacturing, Langkawi, Kedah.
7. **Nuraini A. A.**, M.M. Noor, A. Aziz Hairuddin, An experimental investigation on the combustion and performance of an HCCI-DI engine, The 3rd International Conference on Automotive Innovation Green Energy Vehicle, Full Paper, Citation-Indexed - Scopus, AIP Publishing, International, 0094243X, [1 - 8], MALAYSIA, 2019.
8. Hasyuzariza M. Tobib, A. Aziz Hairuddin, **Nuraini Abdul Aziz**, M.M. Noor, J. Zulkiple & Muntasser A.A. Mossa, 2019, An experimental investigation on the combustion and performance of an HCCI-DI engine, AIP Conference Proceeding Series, vol. 2059, issue 1, ISSN 0094-243X, American Institute of Physics (Indexed by Scopus).
9. **Nuraini Abdul Aziz** and Mahathir Rahman 2018. *Energy Absorption of Bus Superstructure Materials in Rollover Simulation Test*. The Symposium and Workshop on Materials and Characterization, Department of Mechanical and Manufacturing Engineering, Faculty Engineering, UPM, Selangor.
10. **Nuraini Abdul Aziz**, Salmi Samsudin and Abdul Aziz Hairuddin. 2018. Energy Audit of Subcritical Plant Performance with Different Types of Subbituminous Coal. International Conference on Mechanical Engineering, Energy and Advanced Materials, 29-30 November, 2018, Kota Kinabalu, Sabah, Malaysia
11. Nur Isnida Razali, **Nuraini Abdul Aziz** and Barkawi Sahari. 2016. *Influence of the Materials on the Frame Model Strength Having Rollover*. Innovative Design and Manufacturing Engineering Conference 2016, Bangi – Putrajaya Hotel, Selangor (Best Paper Award)
12. Siti Marhainis Abu Mansor, **Nuraini Abdul Aziz** and Azmah Hanim Mohamed Ariff. 2016. *Axial Crushing of Circular Tubes with Infused Origami Pattern*. Innovative Design and Manufacturing Engineering Conference 2016, Bangi – Putrajaya Hotel, Selangor.
13. Salmi Samsudin, **Nuraini A. Aziz**, Abdul Aziz Hairuddin. 2016. *Fuel Switching from Bituminous to Sub-Bituminous Coal at Thermal Coal Power Plant*. An International Multi-Disciplinary Graduate Conference of Terengganu (GraCe 2016), Kuala Terengganu, Malaysia.
14. M.T. Mastura, S.M. Sapuan, M.R. Mansor and **A.A. Nuraini**. 2016. *Design strategy for concept design of hybrid bio-composite automotive anti-roll bar using TRIZ*. Proceedings of Mechanical Engineering Research Day 2016, pp. 60-61, March 2016
15. J.M. Nursherida, B.B. Sahari, **Nuraini A.A.**, A.Manohar, and M.S.A Samad, *On the Development and Validation of 12MO Numerical Child Head Dummy Model for Automotive Crashworthiness Assessment*, 2nd

- International Conference on Innovations in Engineering and Technology (ICET'2016) Sept. 19-20, 2016 Penang (Malaysia).
- 16.M.T. Mastura, S.M. Sapuan, M.R. Mansor, **A.A. Nuraini**, *Design strategy for concept design of hybrid bio-composite automotive anti-roll bar using TRIZ*, Proceedings of Mechanical Engineering Research Day 2016, pp. 60-61, March 2016.
 - 17.A. Rafukka, B. B. Sahari, **A. A. Nuraini**, A. Manohar, *Development of Three Year Old Nigerian Numerical Child Dummy Head and Validation in Frontal Impact*, Proceedings of 25th TheIIER International Conference, Kuala Lumpur, Malaysia, 2nd May 2015.
 - 18.**Nuraini A. A.**, S.M. Sapuan, 2015. Application of Blue Ocean Strategy in development of conceptual design for natural fibre reinforced polymer composite Proceedings of the 5th Postgraduate Seminar on Natural Fiber Composites, Full Paper, INTROP, UPM, National,
 - 19.**Nuraini A. A.**, M.R. Ishak, S.M. Sapuan, Experimental investigation of Lateral crushing on supporting and non-supporting plate composite hexagonal tubes The Proceedings Of Postgraduate symposium on Biocomposite Technology 2015, Full Paper, INTROP, National
 20. **A. A. Nuraini**, M.R. Ishak, S.M. Sapuan, Selecting natural fibers for industrial applications The Proceedings Of Postgraduate symposium on Biocomposite Technology 2015,
 - 21.**Nuraini A. A.**, M.R. Ishak, S.M. Sapuan, Selecting Proper Alternatives of Natural Fiber Composites The Proceedings Of Postgraduate symposium on Biocomposite Technology 2015
 - 22.
 - 23.**Nuraini Abdul Aziz**, Norzima Zulkifli, Amar Ridzuan A. Hamid, *Crash Analysis Of Racing Car Nose Cone Subjected To Full Frontal Impact*, 4th International Conference on Advances in Mechanical Engineering, PatraJasa Bali, Indonesia, 2015.
 - 24.**Nuraini, A. A.**, Siti Marhainis, Azmah Hanim, M.A. and Sahari, B. B. 2014. *Axial Crushing of Origami Pattern Metal and Polymer Composite Thin-Walled Structures Using Finite Element Method*, International Conference on Plastics, Rubber and Composites, June 20-21, 2014, Langkawi, Malaysia. (Excellent Paper Award)
 - 25.M.R. Mansor, S.M. Sapuan, A. Hambali, E.S. Zainudin, **A.A Nuraini**. 2014 Materials selection of hybrid bio-composites thermoset matrix for automotive bumper beam application using TOPSIS method. International Conference on Plastics, Rubber and Composites, June 20-21, 2014, Langkawi, Malaysia. (Best Paper Award) Siti Marhainis Abu Mansor and **Nuraini A. Aziz**. 2014. *Preliminary Linear Static Analysis of a Thin-Walled Structure with Origami Patterns*. The Postgraduate symposium on Composite Science and Technology & 4th Postgraduate Seminar on Natural Fibre Composites, Palm Garden, Selangor, Malaysia.
 - 26.A. H. Amar Ridzuan and **A. A. Nuraini**. 2014. *Crash Simulation of a Racing Car Front Impact Structure*. The Postgraduate Symposium on Composite Science and Technology & 4th Postgraduate Seminar on Natural Fibre Composites, Palm Garden, Selangor, Malaysia.
 - 27.M. N. Fairuz, M. A. Azmah Hanim, M. Z. Shahrul Fadzli and **A. A. Nuraini**. 2014. *Interfacial Evaluation of Multiple Reflow Effect on Bismuth-Antimony Solder on Bare Copper*. The Postgraduate Symposium on Composite Science and Technology & 4th Postgraduate Seminar on Natural Fibre Composites, Palm Garden, Selangor, Malaysia.
 - 28.Munir Faraj M. A. Kbir, S. M. Sapuan, **Nuraini Abdul Aziz**, and Mohamad Ridzwan Ishak, 2014. *Effect of Length in Crashworthiness Parameters of Non-Woven Kenaf Fibre/Epoxy Composite Hexagonal Tubes*. The Postgraduate Symposium on Composite Science and Technology & 4th Postgraduate Seminar on Natural Fibre Composites, Palm Garden, Selangor, Malaysia.
 - 29.M. F. M. Alkbir, S. M. Sapuan, **Nuraini A. A.** and M.R. Ishak. 2014. *Effect Of Hexagonal Angle on Energy Absorption Capability and Load-Carrying Capacity of Natural Kenaf Fibre Reinforced Composite Hexagonal Tubes*. The Postgraduate Symposium on Composite Science and Technology & 4th Postgraduate Seminar on Natural Fibre Composites, Palm Garden, Selangor, Malaysia.-Best Paper Award
 - 30.M. R. Mansor, S. M. Sapuan, E. S. Zainudin, **A. A. Nuraini** and A. Hambali. 2014. *Topsis Method for Materials Selection of Hybrid Bio-Composites Thermoset Matrix for Automotive Bumper Beam Application*. The Postgraduate Symposium on Composite Science and Technology & 4th Postgraduate Seminar on Natural Fibre Composites, Palm Garden, Selangor, Malaysia.

- 31.M.S. Salwani, B. B. Sahari, Aidy Ali and **A. A. Nuraini**. 2013. *Energy Absorption of Partially Filled Side Member Subjected to Oblique Crash*. International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E 2013), Kuala Lumpur, Malaysia.
- 32.A.R. Najihah, **A.A. Nuraini**, and I. Othman. 2013. *An Analytical Model on Homogeneous Charge Compression Ignition Engine for Performance Prediction*. International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E 2013), Kuala Lumpur, Malaysia.
- 33.M.R. Mansor, S.M. Sapuan, E.S. Zainudin, **A. A. Nuraini**, and A. Hambali. 2013. *Thermoplastic Matrix Material Selection Using Multi Criteria Decision Making Method for Hybrid Polymer Composites*. International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E 2013), Kuala Lumpur, Malaysia.
- 34.Adibah Abdullah, Othman Innayatullah, Siti Ujila Masuri, **Nuraini Abdul Aziz**, Barkawi Sahari and Nordin Jamaludin. 2013. *Single-Grade Engine Lubricant: Introduce Viscosity Index Numerical Order (VIno)*. International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E 2013), Kuala Lumpur, Malaysia.
- 35.Munir Faraj M. A. Kbir, S. M. Sapuan, **Nuraini Abdul Aziz**, and Mohamad Ridzwan Ishak. 2013. *Experimental Quasi-Static Axial Crushing of Non-Woven Kenaf Fibre/Epoxy Hexagonal Composite Tubes*. International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E 2013), Kuala Lumpur, Malaysia.
- 36.M.S. Salwani, B.B. Sahari, Aidy Ali, and **A.A. Nuraini**. 2013. *The Effect of Automotive Side Member Filling on Car Frontal Impact Performance*. International Conference on Mechanical Engineering Research (ICMER 2013), 1- 3 July, Kuantan, Pahang, Malaysia.
- 37.**Nuraini A. A.**, Zainal A.S. and Azmah Hanim M. A. 2013. *The Effects of Welding Parameter on Butt Joint Using Robotic Gas Metal Arc Welding*. International Conference on Mechanical Engineering Research (ICMER 2013), 1 – 3 July, Kuantan, Pahang, Malaysia.
- 38.Abdullah, A.B., Sapuan, S.M., Samad, Z., Khaleed, M.T., Husaini, M., & **Aziz, N.A.** 2012. *Twist springback measurement of AUV propeller blade based on profile deviation*. 1st International Conference on Energy and Environmental Protection, ICEEP 2012, Hohhot, China.
- 39.Aidy Ali, B.B. Sahari, **A.A. Nuraini**, A.A. Faieza, Tuan Hafandi Tuan Ismail, M.S. Salwani, J.M. Nursherida, M.S. Nabilah, S.S. Aini, M. Shahril, and M.H. Norhidayah. 2012. *Analysis of Occupant Crash Protection in Designing Lightweight Automotive Side Member*. International Conference on Applications and Design in Mechanical Engineering (ICADME), 27-28 February, Penang, Malaysia.
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77. Jalaudin, M. N., Ali, A., Sahari, B., **Aziz, N. A.**, "Performance of automotive composite bumper beams and hood subjected to frontal impacts," *Materialpruefung/Materials Testing*, Volume 54, Issue 1, Pages 19-25, 2012. (Scopus)
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79. A. B. Abdullah, S. M. Sapuan, Z. Samad, H. M. T. Khaleed and **N. A. Aziz**, Quantitative Evaluation of Geometric and Dimensional Error of Cold Forged Auv Propeller Blade, *Australian Journal of Basic and Applied Sciences*, 5(9), 1756-1764, 2011. (Scopus)
80. M. S. Salwani, Aidy Ali, B. B. Sahari, **Nuraini A. A.**, Crash of automotive side member subjected to oblique loading, *International Journal of the Physical Sciences*, 11-594, 2011. (Scopus)
81. Aidy, A., Sahari, B. B., **Nuraini, A. A.**, and Zamir, A. Z., Strength Investigation of Thick Welded T-Joint using Finite Element Modelling, *Defence Science Journal* (60), 112-118, 2010. (Scopus)
82. Aidy, A., Sahari, B. B., **Nuraini, A. A.**, and Hasan, M. Y., Simulation and Experimental work of single lap bolted joint tested in bending, *Suranaree Journal of Science and Technology*, 331-345, 2007. (Scopus)

Professional Services/Consultations:**Industrial**

Year	Project Description	Status
19/09/2022 – 21/09/2022	Analysis on UNR66 Using Finite Element Software (JPJ)	Trainer/ Project Leader
19/02/2019 - 19/02/2019	Experiencing Real World Design Work	Project Leader
16/08/2018 - 30/06/2019	Collaborative Research Project ISEP Pembangunan Industri	Member
17/12/2018 - 21/12/2018	SKIPIDIO DIFFINDO Pembangunan Pelajar	Project Leader
06/04/2018 - 31/01/2021	Research collaboration with Eureka Efektif Sdn Bhd on Bypass pigging Penyelidikan Kontrak	Member
09/10/2017 - 09/10/2017	Panelist For Human Life Advancement Foundation	Project Leader
05/10/2017 - 05/10/2017	ENGINERRIA	Project Leader
01/11/2015 - 31/10/2016	Bus structure finite element analysis using computer simulation (BSFEA) Regulation 66 Annex 9 – UNECE (<i>Sangkutan Staf UPM ke Industri Dalam Negara</i>)	Project Leader
23/11/2016 - 23/11/2016	DreamEDGE Seminar 2016	Project Leader
02/02/2015 - 15/10/2015	Bus Structure Finite Element Analysis Using Computer Simulation (BSFEA). Regulation 66 Annex 9- UNECE (<i>Perkhidmatan Pengembangan/Perundingan Industri</i>)	Project Leader
01/06/2012 - 30/06/2015	Removal Kinetics of Pink Guava Puree Fouling Deposit	Member
25/11/2014 – 25/11/2014	TEEKAY Pipe Couplings Training	Project Leader
30/05/2011 – 30/05/2011	ASEAN/GAST Traveling Conference on Electro Mobility in Mega Cities	Project Leader
09/08/2010 – 13/08/2010	Design Course Trainer – SCOMI Engineering	Member
2009	Value Engineering - Link up with Universities Programme: VAVE Project (Proton Exora)	Member
2009	Value Engineering - Link up with Universities Programme: VAVE Project (Proton Saga)	Member

Community

Year	Project Description	Status
23/03/2018 - 21/12/2018	Global I-Lead STEM Camp 2018	Member
17/12/2018 - 21/12/2018	SRI AYESHA	Project Leader
18/12/2017 - 22/12/2017	Program Global I Lead Stem Kem Antara Upm, PIBG SBPI Selandar, Asasi Pertanian Dan Fakulti Sains	Member
18/12/2017 - 22/12/2017	Program Global I-Lead Stem Camp 1malaysia 2017	Project Leader

Contribution and Academic Leadership

UNIVERSITI PUTRA MALAYSIA:

•Services

Level	Leadership Position	Year
<u>University</u>		
	IPT Evaluation Panel MyGrant (UPM)(FRGS)	2015-2020
	IPT Evaluation Panel MyGrant (UPM)(PRGS)	2019
	Wakil Mesyuarat Akreditasi Berkenaan UNITED NATION ECONOMICS COMMISSION FOR EUROPE"-Regulation R66 (UNECE-R66) with TUV Germany and Road Transport Department Malaysia	2013
	Ahli Jawatankuasa Kecil Tetap Sains (JKT Sains) Suruhanjaya Kebangsaan UNESCO Malaysia (SKUM)	2009
<u>Faculty/Institute</u>		
INTROP	Research Associate	2014-2015
ITMA	Research Associate	2010-2011
	Auditor EAC	2018
	Grant Evaluator	2015-2018
	Panel Jury of 3MT Competiton	2017, 2018
	Mentor English Immersion Program	2012-2013
Faculty of Engineering	Committee member of " <i>Bengkel Penyediaan Modul 3 & 4 Immersion Bahasa Inggeris</i> "	2013
	Committee member of " <i>Bengkel Pengharmonian Projek Ilmiah Tahun Akhir</i> "	2013
	Pengajar Kursus Tambahan Graduan Kejuruteraan UniMAP 2007-2009	2011
<u>Department</u>		
	Postgraduate Coordinator	2017-2019
		2015-2017
	Head of Automotive Programme by Research	2018
	Committee Member for Curriculum Review (2016-2020)	2014
	Industrial and Community Relation Coordinator	2009-2010
	Academic Coordinator	2011-2012
	Student Project Advisor:	
Department of Mechanical and Manufacturing Engineering	1.Shell Eco Marathon	2011
	2.Plant Visit to KEWPUMP (M) Sdn. Bhd. (EMM4304)	2011
	3.Lawatan Pelajar Sek. Keb. Gajah Berang (Pegawai Pengiring)	2010
	4.Seminar Teknikal "Evolution of Malaysian Powertrain: CAMPRO Technology and Manufacturing Quality"	2010
	5.Boat Competition 2010-Going green	2010
	6.Eimarace (UTM KL)	2010
	7.BBQ MechE	2010
	8.7 th Bridge Model Competition, Universiti Teknologi Malaysia	2009
	Academic Advisor	2009 until present

	Head of Laboratory:	
	1.Fluid Mechanics Laboratory	2009-2011
	2.Automotive Laboratory (Research)	2019
		2010-2011
	Supervisor and Examiner for Master without Thesis (EMM5989)	2012-2013 2014-2015 2017-2018
	Committee Member for “Program Diploma Kejuruteraan Kecemasan dan Keselamatan”	2011
	Facilitator PutraLMS	2010
Department of Process and Food Engineering	Examiner Final Year Project	2013/2014

•Examiner (Graduated Student)

PhD

Matric No.	Name	Year
GS39914	Aidin Ghavamian	2019
GS47885	Ali Jaber Abdulhamed	2019
GS38448	Mohd Shahrizan bin Yusoff	2018
GS32213	Tan Kai Jin	2018
GS35798	Khairul Nizam Md Tohit	2018
GS33772	Syakirah binti Kamarbhari	2018
GS39966	Hussein Adel Mahmood	2018
GS35666	Ng Khai Mun	2018
GS37279	Muna Khalil Shehan	2018
GS26698	Mohammed Idris Mohammed	2017
GS32674	Jayaseelan Nadarajah	2017
GS38154	Khalil Ibraheem Imhan	2017
GS27200	Ruzaidi bin Zamri	2017
GS32397	Sairizal bin Misri	2016
GS29836	Hamidreza Panjehfouladgaran	2016
GS31897	Mahmoud Asad Samani	2016
GS29868	Babak Ganjeh	2016
GS29903	Hani Mizhir Al-Jaryawy	2016
GS35511	Ridwan bin Yahaya	2016
GS33361	Zohreh Molamohamadi	2015

Master

Matric No.	Name	Year
GS42780	Nur Marlina binti Mohamad	2017
GS41986	Nor Atirah bt Mohd Aridi	2017
GS41634	Hanaa Kadhim Kareem Alsabahi	2017
GS30401	Shahdura bte Hammad Thauri	2016
GS37096	Ahmad Khuzairi bin Sudar	2016
GS34967	Babak Mahjoub	2016
GS34401	Muath Dheaa Abdulradha Al-Falahi	2015
GS33237	Ali Driver	2015

GS27886	Pah Pin Shang	2014
GS25077	Alina Binti Aminuddin	2013
GS25649	Chan Ken Wei	2013
GS28153	Rohaizuan bin Rosilli	2012
GS20969	Mohammed W. Muhieldeen	2011
GS23203	Mohd Syazwan Abdul Samad	2011
GS23237	Rajdave Singh Sidhu	2011

Final Year Thesis

Matric No.	Name	Year
177368	Azrul Hafiza Bin Uzalan	2018
181061	Suntharresan A/L Ganesan	2018
176686	Edoo Mohamad Ridwaan	2018
178069	Thum Guan Wei	2018
176578	Ahmad Nashrudin Bin Mazlan	2018
171724	Hasanat Jamil-Ul Haque	2017
174391	Tilak Devendran A/L Damulgeran	2017
174196	Haziq Hazmi Bin Machfudli	2017
174229	Muhammad Faredzuan Bin Tauhir	2017
169012	Hafiz Bin Jamaludin	2016
168187	Cheng Mun Chun	2016
170292	Mohammadmehdi Avazpour	2016
166856	Lingeswaran A/L Kaniappan	2016
161672	Mohd Ridhwan Bin Abdullah	2015
161266	Zamanhuri Bin Ariffin	2015
161380	Mohd Firdaus Huzaide	2015
164382	Isma Zulhamid Bin Bakhari	2015
160133	Mohd. Syimir Sofyian Bin Mohd. Yusof	2014
156770	Muhamad Ariff Bin Sulaiman	2014
157745	Muhammad Faris Bin Abdol Fattah	2014
158580	Goh Chin Yeap	2014
153909	Wan Muhammad Hafiz Bin Wan Rani	2013
151932	Irrif Amir Bin W R Kamarul Zaman	2013
154624	Muhammad Hafiz Bin Mohd Fauzi	2013
152210	Teoh Theah Cun	2013
145935	Adibah Abdullah	2012
148724	Wang Siow Chin	2012
147084	Muhamad Hafiz Bin Azman	2012
149094	Wan Muzairi Bin Wan Muhizan	2012
141092	Rozaimah Bt. Mohd Badawi	2011
141558	Liyana Bt. Saari	2011
143376	Chia Hock Yi	2011
140496	Ahmad Amri B. Mohmed Sepri	2011
140106	Yong Thian Haw	2010
136227	Nazariah Muslimin	2010
138971	Ng Yen Chiou	2010

•Chairman Viva

PhD

Matric No.	Name	Year
GS34199	Umran bin Abdul Rahman	2018
GS43587	Dele-Afolabi Temitope Theophilus	2018
GS39781	Hammajam A. Abba	2018
GS36669JD	Lee Ching Hao	2018
GS35903	Alsanossi Mohamed Aboghrara	2018
GS39714	Nawras Haidar Mostafa Al-Said Haidar	2017
GS41277	Ridhwan bin Jumaidin	2017
GS38642	Bushra Rashid Mohammed	2017
GS38427	Nadlene binti Razali	2017
GS32228	Nurhaniza binti Mohamad	2016
GS31529	Shahla Paslar	2016
GS39589	Muhammed Lamin Sanyang	2016
GS29899	Omid Boyer Hassani	2015

Master

Matric No.	Name	Year
GS45642	Bootan Sherzad Qader	2018
GS43769	Thulasi a/p Manoharan	2018
GS42119	Abdullah Mohamed Abdulwahab	2017
GS43000	Ojo-Kupoluyi Job Oluwatosin	2017
GS33209	Mohammadmahdi Borojerdian	2016
GS37151	Dele-Afolabi Temitope Theophilus	2015
GS38290	Houssam Said Abdelrahman Moussa Ismail	2015

NATION AND INTERNATIONAL:

• Professional Services

Level	Leadership Position	Year
<u>International</u>		
	Section Editor: ASEAN Engineering Journal, Universiti Teknologi Malaysia	2023-2025
	Observer of The Global Quality Assurance of Higher Education through the Development of a Tuning Test Item Bank, National Institute for Educational Policy Research JAPAN	2023-Present
	Editor in Chief, Acta Mechanica Malaysia	2021-Present
	International Advisory Board: WCASET-KL	Present
	Editorial Bord, Journal of Mechanical Engineering Research and Developments	2017-2019
	Editorial board, Acta Materialia Turcica	2022
<u>Nation</u>		
	IPT Evaluation Panel MyGrant (UNIKL, UPNM)- (FRGS)	2019
	IPT Evaluation Panel MyGrant (UCSI, UPNM)-(FRGS)	2018
	Panel for Engineering Accreditation Council (EAC) Malaysia	2017 -

	present
Ministry of Education - Advisory Panel for Development of Standard and Assessment Curriculum Document for Mechanical Engineering Course	2015
<u>Universiti Teknikal Malaysia</u>	
Book Manuscript Evaluator, Title: Pemprosesan Separa Pepejal (UTEM) Publisher	2019
<u>UNIKL (Malaysia Italy Design Institute)</u>	
External examiner for programme	2019-2025
<u>Universiti Teknologi PETRONAS</u>	
Grant Evaluator for Yayasan -Fundamental Research Grant (YUTP-FRG)	2017 & 2019
<u>Linton University College, Negeri Sembilan</u>	
Vetting paper for foundation programme	2019
External Examiner for Diploma of Mechanical, Faculty of Engineering and Technology (FOET)	2018
<u>Universiti Pertahanan Nasional Malaysia</u>	
Evaluator Panel Colloquium Research Grant Program	2018
<u>Universiti Tun Hussien On Malaysia</u>	
Book Manuscript Evaluator, Title: One-Dimensional High-Order Compact Method: Solving Of Euler Equations, (UTHM) Publisher	2017
<u>DRB-Hicom University of Automotive Malaysia</u>	
Programme Assessor	2016
<u>Institute Engineer Malaysia</u>	
Paper exam setter for IEM for Statics and Dynamic	2012
Moderator for IEM/BEM Examination for Static and Dynamics	2011

External Viva Examiner

PhD

Name	University /Institute
Ammar Adil Abdunabe Title: Fatigue Life and Fatigue Crack Growth Behaviour of Ultra-Thin 301L Stainless Sheet	UKM, 2018
Zeid Fadel Abdulla Al-Bahash Title: Design and Development of a Novel Under-Ride Guard System	UNITEN, 2017

Master by Research

Name	University /Institute
Mr. Azlan bin Aripin Tajuk: Kesan Alur Skala Mikro Terhadap Kekuatan Dan Kelakuan Patah Komposit Plat Logam Berbeza Terikat-Perekat	UKM, 2017
Mr. Sim Song Cherm Title: Underground Buildings Towards Thermal Comfort And Energy Saving In Malaysia	MMU, 2016

Journal Reviewer

No	Title of Journal
A	Journal of Mechanical Science and Technology (JMST- ISI Thompson)
B	International Journal of Engineering (IJE – Scopus)
C	Journal of Engineering Science and Technology (JESTEC- Special Issue)
D	IUM Engineering Journal
E	Society of Automotive Engineer (SAE) Journals Publications (Scopus)
F	Materials Research Innovations
G	The Open Mechanical Engineering Journal
H	Advances in Mechanical Engineering (ISI Thompson)
I	Journal of the Brazilian Society of Mechanical Sciences and Engineering
J	Jordan Journal of Mechanical and Industrial Engineering (Scopus)
K	Advance in Materials and Processing Technologies (Scopus)
L	Thin-Walled Structures

Conference Reviewer

No	Title of Conference
A.	National Conference in Mechanical Engineering for Research & Postgraduate Student (NCMER 2010), Faculty of Mechanical Engineering, Universiti Malaysia Pahang,
B.	World Engineering Congress (WEC) – Conference on Aerospace and Mechanical Engineering (CAME) and Conference on Manufacturing Technology and Management (CMTM), 2nd – 5th August 2010, Kuching, Sarawak, Malaysia
C.	8th International Conference On Fracture And Strength Of Solids (FEOFS)
D.	International Conference on Mechanics, Solid State and Engineering Materials (ICMSSEM2011)
E.	Regional Conference on Automotive Research (ReCAR) 2011 ReCAR2011, 14th-15th December 2011, Kuala Lumpur, Malaysia
F.	8th International Conference on Composite Science and Technology (ICCST8)
G.	2th International Conference on Recent Advances in Automotive Engineering & Mobility Research, (ReCAR) 16-18 December 2013, Kuala Lumpur, Malaysia
H.	The 4th International Graduate Conference on Engineering Science & Humanity 2013 (IGCESH2013)
I.	International Conference on Kenaf & Allied Fibres (ICKAF 2013)
J.	Regional Conference on Mechanical and Manufacturing (RCMME)
K.	International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E)
L	World Research & Innovation Convention on Engineering & Technology (WRICET)
M	International Conference on Material, Mechatronics, Manufacturing and Mechanical Engineering (ICMMME)
N	International Postgraduate Network Conference on Chemical and Material Engineering (IPCCME)
O	Noise and Vibration Conference
P	3rd Advanced Materials Conference
Q	Recent Advances in Automotive Engineering & Mobility Research (ReCAR)

International Committee

Title	Responsibility	Year
International Conference on Advances in Materials & Processing Technologies (AMPT 2023)	Session Chair	2023
International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E)	Technical Committee	2019
International Conference on Mechanical Engineering, Energy and Advanced Materials	Session Chair	2018
4 th International Conference on Advances in Mechanical Engineering	Session Chair	2015
Scientific Committee Member of International Academy of Engineers	Reviewer Committee	2014-2015, 2016-2017
International Conference on Mechanical and Industrial Engineering	Reviewer Committee	2014
International Conference on Material, Mechatronics, Manufacturing and Mechanical Engineering (ICMMMM)	Technical Committee	2014
International Conference on Advances in Mechanical and Manufacturing Engineering (ICAM2E)	Technical Committee, Session Chair	2013
Regional Conference on Mechanical and Manufacturing (RCMME)	Technical Committee	2013
2th International Conference on Recent Advances in Automotive Engineering & Mobility Research, (ReCAR) 16-18 December 2013, Kuala Lumpur, Malaysia	Session Chair	2013
4th International Conference on Noise, Vibration and Comfort (NVC2012)	Session Chair	2012
World Engineering Congress (WEC) – Conference on Aerospace and Mechanical Engineering (CAME) and Conference on Manufacturing Technology and Management (CMTM), 2nd – 5th August 2010, Kuching, Sarawak, Malaysia	Session Chair	2010

National Committee

Title	Responsibility	Year
UPM Postgraduate Symposium on Composites and Technology	Session Chair	2014
9th National Symposium On Polymeric Materials (NSPM)	Treasurer, Session Chair, Editorial Board Member, Reviewer	2009