

**INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL  
AND MANUFACTURING ENGINEERING  
(ICAM<sup>2</sup>E 2013)**

**26 - 28 NOVEMBER 2013**

**CONFERENCE PROGRAM**

**MONDAY, 25 NOVEMBER 2013**

Time	Event
1500 – 1800	Conference Pre-Registration

**DAY 1 - TUESDAY, 26 NOVEMBER 2013**

Time	Event <b>combined with AUN/SEED-Net 1st Regional Conference on Mechanical and Manufacturing Engineering (RCMME 2013)</b>				
0800 – 0845	Welcoming Tea / Conference Registration				
0900 – 0930	Keynote Address (RCMME 2013) : Professor Yoshio Yamamoto (Tokai University, Japan) <i>Chairman : Professor Dr. Shamsuddin Sulaiman</i> <i>Venue: Mahkota III Ballroom</i>				
0930 - 1000	Keynote Address: Ir. Tajul Zahari bin Abu Bakar (Director- Vehicle Development & Engineering Division, PROTON Holdings Berhad (PROTON)) <i>Chairman : Professor Dr. Shamsuddin Sulaiman</i> <i>Venue: Mahkota III Ballroom</i>				
1000 – 1045	Opening Ceremony <i>Venue: Mahkota III Ballroom</i>				
1045 - 1100	Coffee Break <i>Venue: Mahkota foyer</i>				
1045 - 1145	VIP coffee break <i>Venue: Baiduri Room</i>				
1100 – 1230	Invited Speaker: Prof Yousef Al Najjar (Jordan University of Science and Technology, (JUST)) Title: Drivers for Future Energy Policy in the Arab World <i>Chairman: Professor Ir. Dr. Mohd Sapuan Salit</i> <i>Venue: Mahkota III Ballroom</i>				
	Parallel Session (A1) <i>Venue: Mahkota III Ballroom</i>	Parallel Session (B1) <i>Venue: Delima Room</i>	Parallel Session (C1) <i>Venue: Nilam Room</i>		
1230 – 1400	Lunch <i>Venue: Taman Sari</i>				
1415 - 1630	Parallel Session (A2) <i>Venue: Mahkota III Ballroom</i>	Parallel Session (B2) <i>Venue: Delima Room</i>	Parallel Session (C2) <i>Venue: Nilam Room</i>	Parallel Session (D1) <i>Venue: Baiduri Room</i>	Parallel Session (D2) <i>Venue: Berlian Room</i>
1630 – 1700	Coffee Break / End of Session <i>Venue: Mahkota foyer</i>				

**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

<b>Time</b>	<b>Event</b>			
0800 – 0845	Welcoming Tea			
0900 – 0930	Keynote Address: Professor Keith Worden (The University of Sheffield, UK) Title: "Recent Trend in Structural Health Monitoring"  <i>Chairman: Professor Dr. Rosnah Mohd Yusuff</i> <i>Venue: Mahkota III Ballroom</i>			
0930 – 1000	Keynote Address: Prof. Dr. Im Yong Taek (KAIST, South Korea) Title: "Development of Sustainable Materials Processing Technologies"  <i>Chairman: Professor Dr. Rosnah Mohd Yusuff</i> <i>Venue: Mahkota III Ballroom</i>			
1000 – 1020	Coffee break  <i>Venue: Mahkota foyer</i>			
1020 – 1220	Parallel Session (A3)  <i>Venue: Mahkota III Ballroom</i>	Parallel Session (B3)  <i>Venue: Delima Room</i>	Parallel Session (C3)  <i>Venue: Berlian Room</i>	Parallel Session (D3)  <i>Venue: Baiduri Room</i>
1220 – 1400	Lunch  <i>Venue: Taman Sari</i>			
1415 – 1630	Parallel Session (A4)  <i>Venue: Mahkota III Ballroom</i>	Parallel Session (B4)  <i>Venue: Delima Room</i>	Parallel Session (C4)  <i>Venue: Berlian Room</i>	Parallel Session (D4)  <i>Venue: Baiduri Room</i>
1630 - 1700	Coffee Break / End of session  <i>Venue: Mahkota foyer</i>			

**DAY 3 - THURSDAY, 28<sup>th</sup> NOVEMBER 2013**

<b>Time</b>	<b>Event</b>
0900 - 1300	Technical Visit

**DAY 1 - TUESDAY, 26 NOVEMBER 2013**

**PARALLEL SESSION A1**

MAHKOTA III BALLROOM	Time	Title	Abstract Code	Chairman
	1100 - 1230	<b>Drivers for Future Energy Policy in the Arab World</b> <i>Najjar, Yousef S.H.</i>	IS-02	Professor Ir. Dr. Mohd Sapuan Salit
		Performance and Emission of A Common Rail Passenger Car Engine Fuelled With Palm Oil Biodiesel <i>M Adlan Abdullah, Farid Nasir Ani, Masjuki Hassan</i>	AE-02	
		Indoor Air Quality Monitoring and Cooling Energy Usage in Hotel Restaurant Malaysia <i>M.S.S. Mustafa, M.Z.M. Yusof, C.K. Chang3 and M.D. Amir Abdullah</i>	TE-02	
		Validation of Flow Impact To Detect The Energy Loss in Ball Valve <i>N. S. B. Yusof, A. S. M. Rafie, M.K.A. Ariffin and N. Othman</i>	TE-18	
		Green Building: Case Study of Diamond Building, Energy Commission Malaysia <i>M. Ashraf Fauzi and Z. Leman</i>	TE-05	

**DAY 1 - TUESDAY, 26 NOVEMBER 2013**

**PARALLEL SESSION B1**

<b>DELIMA ROOM</b>	<b>Time</b>	<b>Title</b>	<b>Abstract Code</b>	<b>Chairman</b>
	1100 - 1230	The Effect of Alkali Treatment on Impact Strength of Woven Kenaf Reinforced Unsaturated Polyester Composite Using Vacuum Infusion Process <i>Mohd Pahmi Bin Saiman, Md Saidin Bin Wahab and Mat Uzir Bin Wahit</i>	AM-01	Associate Professor Dr. Zulkiflle Leman
		HA/Ti6Al4V Powder With Palm Stearin Binder System; Feedstock Characterization <i>Amir Arifin, Abu Bakar Sulong, Norhamidi Muhamad, Junaidi Syarif, and Mohd Ikram Ramli</i>	AM-04	
		Experimental Quasi- Static Axial Crushing Of Non-Woven Kenaf Fibre/Epoxy Hexagonal Composite Tubes <i>Munir Faraj M. A. Kbir, S.M. Sapuan, Nuraini Abdul Aziz and Mohamad Ridzwan Ishak</i>	AM-10	
		Effects of Twist Drill Point Angle on Thrust Force and Delamination Factor in Hybrid Fiber Composites Drilling <i>Mohd Azuwan Maoinsar, Faiz Ahmad, Safian Shariff and Woo Tze Keong</i>	AM-14	
		Densification Behavior and Hardness Evaluation of Consolidated W-25Cu Composite Powder By Re-Compaction Method <i>Hafed Ibrahim, Azizan Aziz and Azmi Rahmat</i>	AM-18	
		An Overview the Impacts of Material Parameters on the Springback <i>M.S. Buang, S.A. Abdullah and J.B. Saedon</i>	AM-22	

**DAY 1 - TUESDAY, 26 NOVEMBER 2013****PARALLEL SESSION C1**

	<b>Time</b>	<b>Title</b>	<b>Abstract Code</b>	<b>Chairman</b>
<b>NILAM ROOM</b>	1100 - 1230	Familiarity with Office Equipment Reduces Human Errors and Accidents: A Survey <i>Poh Kiat Ng, Kian Siong Jee, Adi Saptari and Jia Xin Leau</i>	IE-01	Associate Professor Dr. Faieza Abdul Aziz
		Application of Product Line Commonality Index (PCI) in A Family of Products <i>Oliver Rubio M., Julian Morab, Alvaro Guarín G. and Pablo Carrizosa I.</i>	IE-03	
		The Impact of World Class Manufacturing Practices on Company Performance: A Critical Review <i>Lukman Sukarma, Hafizah Azmi, Nurlisa Loke Abdullah</i>	IE-07	
		Cost Analysis of Two Different Configurations For A Distribution Network Design <i>Zahra Firoozi, N. Ismail, Shahram Ariafar, S.H. Tang, M.K.A. Ariffin and Azizollah Memariani</i>	IE-08	
		Design of A Three Wheeler Vehicle's Driver's Seat Considering Ergonomics <i>Dr A.R.M.H. Rashid, S.A.S. Mondol, M.H. Shams and A.T.M.F.S. Anik</i>	IE-10	
		A Survey on Lean Manufacturing Practices in Malaysian Food and Beverages Industry <i>Nurul Syuhadah Khusaini, Ahmed Jaffar and Noriah Yusoff</i>	IE-13	

**DAY 1 - TUESDAY, 26 NOVEMBER 2013**

**PARALLEL SESSION A2**

MAHKOTA III BALLROOM	Time	Title	Abstract Code	Chairman
	1415 - 1630	Simulation and Analysis on the Effect of Gross Vehicle Weight on Braking Distance of Heavy Vehicle <i>Airul Sharizli, Rahizar Ramlib, Mohamed Rehan Karim, Ahmad Saifizul</i>	AE-07	Dr. Nuraini Abdul Aziz
		Single-Grade Engine Lubricant: Introduce Viscosity Index Numerical Order (VIno) <i>Adibah Abdullah, Othman Inayatullah, Siti Ujila Masuri, Nuraini Abdul Aziz, Barkawi Sahari and Nordin Jamaludin</i>	AE-10	
		An Investigation of Lapping Characteristics For Mirror-Like Finish Using A Lathe With Linear Motor <i>Aung Lwin Moe, Kanao Fukuda, Aminudin Bin Abu and Raihan Razdi</i>	AE-12	
		Reactive Scheduling of A Decentralized Multi-Objective Material Transportation Tasks in A Dynamic Job Shop Manufacturing System <i>Muhammad Hafidz Fazli bin Md Fauadi, Fairul Azni Jaafar, Adi Saptari and Wan-Ling Li</i>	AE-14	
		Engine Map and Optimal Operation Path Construction for An Engine-CVT Powertrain System <i>A. Seedam, P. Jaisuk, P. Jirawattana and T. Radpukdee</i>	AE-15	
		Municipal Waste Sludge Drying in An Agitated Drum Dryer <i>Tibor Poós and Miklós Horváth</i>	TE-04	
		Numerical Simulation of Microwave Heating For Soot Oxidation <i>Haitham B. Al-Wakeel, Abdul Karim, Z. A., Hussain H. Al-Kayiem</i>	TE-07	
		Design Cost and Scaling Model of Superconducting Wind Turbine Generator For Electricity Generation <i>N A Hamid, M F Suparin, T Gokila and L S Ewe</i>	TE-14	

**DAY 1 - TUESDAY, 26 NOVEMBER 2013**

**PARALLEL SESSION B2**

<b>DELIMA ROOM</b>	Time	Title	Abstract Code	Chairman
	1415 - 1630	Effect of Fiber Loading on the Mechanical Properties of Millet Husk Filled High Density Polyethylene Composites <i>Hammajam, A.A, Ismarrubie, Z.N, S. M. Sapuan</i>	AM-03	Dr. Mohamed Thariq Hameed Sultan
		Application of Microwave Heating in Aerospace Composites Processing <i>Babak Ganjeh and M.R. Hassan</i>	AM-07	
		Experimental Investigation of Biodiesel From Waste Palm Oil and Chicken Fats as A Clean Fuel for Diesel Engine <i>Abu Saleh Ahmed, Sinin Hamdan and Rezaur Rahman</i>	AM-11	
		Tensile Properties of Kenaf Yarn Fibre Reinforced Unsaturated Polyester Composites at Different Fibre Orientations <i>S. Misri, S.M. Sapuan, Z. Leman, M.R. Ishak</i>	AM-12	
		Thermoplastic Matrix Material Selection Using Multi Criteria Decision Making Method For Hybrid Polymer Composites <i>M.R. Mansor, S.M. Sapuan, E.S. Zainudin, A.A. Nuraini, and A. Hambali</i>	AM-13	
		Microstructural Evaluation of Bi-Ag and Bi-Sb Lead-Free High-Temperature Solder Candidates on Copper Substrate With Multiple Reflow Number <i>Mahdi Nahavandi, M.A. Azmah Hanim and Z.N. Ismarrubie</i>	AM-15	
		Review of the Machining Difficulties of Nickel-Titanium Based Shape Memory Alloys <i>M.R. Hassan, M. Mehrpouya, and S. Dawood</i>	AP-08	
Effect of Machining Process on Surface Microhardness of Titanium Carbide Reinforced Aluminium LM6 Composite <i>Muhammad Yusuf, M.K.A. Ariffin, N. Ismail and S. Sulaiman</i>		AP-09		

**DAY 1 - TUESDAY, 26 NOVEMBER 2013**

**PARALLEL SESSION C2**

<b>NILAM ROOM</b>	<b>Time</b>	<b>Title</b>	<b>Abstract Code</b>	<b>Chairman</b>
	1415 - 1630	A Review On The Self Energize Structural Health Monitoring (SHM) in Vertical Axis Wind Turbine (VAWT) System <i>A.Hamdan, F. Mustapha, K.A. Ahmad, A. S. Mohd Rafie, M.T.H Sultan, M.R.Ishak</i>	SHM-02	Associate Professor Dr. Faizal Mustapha
		Overview Of Coanda Jet and Vortex Cell Circulation Control <i>Harijono Djojodihardjo</i>	SHM-05	
		Generic Theoretical and Experimental Development of Micro Aerial Vehicle Using Fundamental Principles <i>Harijono Djojodihardjo and Muljo Widodo Kartidjo</i>	SHM-06	
		Structural Health Condition Estimation of Transmission Tower <i>Fathoni Usman and Zakaria Che Muda</i>	SHM-07	
		Attaining Soot Oxidation Temperature By Inductive Coils Exposed to Electromagnetic Waves <i>Mat Jamlus, M. H., Abdul Karim, Z. A.</i>	SV-01	
		A Study of the Acoustics and Speech Intelligibility Quality of Mosques in Malaysia <i>Abdul Hakim Abdullah and Zamir Aimaduddin Zulkefli</i>	SV-02	
		The Active Noise Control of Propeller Noise Using A Multipole Secondary Source <i>Muhammad Kusnia, Benjamin Soenarko, Harijono Djojodihardjo</i>	SV-06	
Vibration Gear Fault Diagnostics Technique Using Wavelet Support Vector Machine <i>A. Widodo, D.P Dewi Widowati, D. Satrijo, I. Haryanto</i>		SV-07		



**DAY 1 - TUESDAY, 26 NOVEMBER 2013**

**PARALLEL SESSION D1**

BAIDURI ROOM	Time	Title	Abstract Code	Chairman
	1415 - 1630	Application of Shape Optimization Method on Steel Wheel Rim <i>Mohd Nizam Ahmad, Awanis Ihsanul Kamil and Wan Mansor Wan Muhamad</i>	AE-04	Dr. Mohd Roshdi Hassan
		An Analytical Model of Homogeneous Charge Compression Ignition Engine For Performance Prediction <i>A. R. Najihah, A. A. Nuraini and I. Othman</i>	AE-16	
		New Car Assessment Program For Southeast Asian Countries: Current Status and Future Developments <i>Mohd Hafzi Md Isa, Yahaya Ahmad, Khairil Anwar Abu Kassim and Wong Shaw Voon</i>	AE-17	
		Local-Overall Flexural Interaction of Pinned-Ended Thin-Walled I-Section Columns <i>N.Yidris, M.T.H.Sultan, M.Y.Harmin and A.S.M.Rafie</i>	AE-18	
		Numerical Investigations of Membrane Surface Effects on NACA 643- 218 Airfoil <i>M.S. Abdul Aziz, M.Z. Abdullah and K.A. Ahmad</i>	AE-19	
		Experimental and Simulation Study on the Effects of Twisted Coil Plates on the Performance of Fire Tube Boiler <i>M.K Roslim, S. Hassan and K.Izzati</i>	TE-08	
		An Experimental Study of Heat Transfer and Friction Factor Characteristics of Finned Flat Tube Banks With In-Line Tubes Configurations <i>Tahseen Ahmad Tahseen, M. Ishak and M.M. Rahman</i>	TE-09	
		Hydrodynamic Cavitation Device That Makes Straw Cuts Suitable For Efficient Biogas Production <i>ERZSÉBET Ancza, MÓNIKA Bakosné Diószegi and MIKLÓS Horváth</i>	TE-15	

**DAY 1 - TUESDAY, 26 NOVEMBER 2013**

**PARALLEL SESSION D2**

BERLIAN ROOM	Time	Title	Abstract Code	Chairman
	1415 - 1630	Lot Streaming and Preventive Maintenance in a Multiple Product Permutation Flow Shop With Intermingling <i>Navid Mortezaei, N. Zulkifli, S.H. Tang, Rosnah M.Y.</i>	IE-11	Associate Professor Dr. Norzima Zulkifli
		Closed Loop Supply Chain, Issues and Key Challenges - A Sustainable Supply Chain Approach <i>Gh.Tahoori, Rosnah M.Y., N. Zulkifli</i>	IE-12	
		Influence of Leadership Behavior on Project Management in Malaysian Industries <i>Majid Mokhtarisani, Mohammad Mahdi Zarei, and Z. Leman</i>	IE-15	
		The Impact of Information Technology Investment on Supply Chain Capabilities: A Review <i>Tang S.H., Shiva Sadat Moosavipur, S. Sulaiman, M.K.A. Ariffin and Morteza Ghobakhloo</i>	IE-17	
		Machining of Injection Mould Materials for Different Cutting Flute in Low-Speed End Milling <i>Naain Shari, B.T.H.T. Baharudin, N. Ngah, M. F.C. Ibrahim</i>	IE-19	
		Using TRIZ to Generate Ideas to Solve the Shortage of ICT Workers Problem <i>Mei Choo Ang, Kok Weng Ng, Siti Azfanizam Ahmad and Amelia Natasya Abdul Wahab</i>	IE-20	
		Review in Supply Chain Base on Green Consumers Attitude <i>Mohammad Mahdi Zarei, Majid Mokhtari and R.M. Yusuff</i>	IE-30	
Performance Improvement of Tubular-Ice Making Machine By Reducing the Feed Water Temperature Withshell and Tube Heat Exchanger <i>Sukkapop Nakornsri, Ratchaphon Suntivalakorn, Khanisorn Thanutwutthigorn</i>		IM-08		

**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

**PARALLEL SESSION A3**

MAHKOTA III BALLROOM	Time	Title	Abstract Code	Chairman
	1020 - 1220	<p>A Review of Current Development in Natural Fiber Composites in Automotive Applications <i>M.H. Norhidayah, A.Hambali, Y.Mohd Yuhazri, M. Zolkarnain, Taufik and H.Y Saifuddin</i></p>	AM-20	Dr. Che Nor Aiza Jaafar
		<p>Implementing Neural Network For Damage Severity Identification of Natural Kenaf Fibre Composites <i>M. Zaleha, S. Mahzan and I. Maizlinda Izwana</i></p>	AM-17	
		<p>Effects of PVA-PEG Binders System on Microstructure and Properties of Sintered Alumina <i>C.N.A. Jaafar, I. Zainol, S. Sulaiman and M. I. Ayub</i></p>	AM-24	
		<p>Damage Detection in a Carbon Fibre Reinforced Polymer (CFRP) Plate Using Outlier Analysis <i>Kai Yang, Keith Worden, Jem Rongong, Alma Hodzic and Austin D Lafferty</i></p>	AM-25	
		<p>The Effect of Thickness and Bullet Type on Impact Properties of Glass Fibre Reinforced Polymer (GFRP) Using A Single Stage Gas Gun (SSGG) <i>S.N.A. Safri, M.T.H. Sultan, N. Razali, S. Basri, N. Yidris and F. Mustapha</i></p>	AM-26	
		<p>High Velocity Impact Test on Glass Fibre Reinforced Polymer (GFRP) Using A Single Stage Gas Gun (SSGG) – An Experimental Based Approach <i>N. Razali, M.T.H. Sultan, S.N.A. Safri, S. Basri, N. Yidris and F. Mustapha</i></p>	AM-27	
		<p>Impact Damage Analysis For Glass Reinforced Epoxy Laminated Plates Using Single Stage Gas Gun (SSGG) <i>M.T.H. Sultan, S. Basri, A.S.M. Rafie, N. Yidris, F. Mustapha, R. Zahari and M.R. Ajir</i></p>	AM-28	
<p>Design analysis of two ways shape memory alloy (SMA) actuated aerofoil <i>Mohd Roshdi Hassan, Yong Thian Haw and Mohd Nasrisyam Asri</i></p>		AM-29		

**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

**PARALLEL SESSION B3**

DELIMA ROOM	Time	Title	Abstract Code	Chairman
	1020 - 1220	Integrated Dispatching Model of Automated Lifting Vehicles, Quay Cranes and Yard Cranes at Automated Container Terminal <i>S.H. Sadeghian, M.K.A. Ariffin, S.H. Tang and N. Ismail</i>	IE-21	Associate Professor Dr. Tang Sai Hong
		Managing Uncertainty in Supply Chain Management of Vessel Chartering in Oil & Gas Industry <i>Masha Nur Salsabiela Menhat, M.K.A. Ariffin, S.Sulaiman and S.H. Tang</i>	IE-23	
		The Development of An Ergonomic Infant Seat With Restraint System in Aircraft <i>K. Syakirah and A.A. Faieza</i>	IE-26	
		Analysis of Muscle Activity Using Surface Electromyography for Muscle Performance in Manual Lifting Task <i>Isa Halim, Rawaida, O., Kamat S. R, Rohana, A., Adi Saptari, Mohd Shahrizan, O.</i>	IE-28	
		Design, Analysis and Fabrication for Conceptual Innovative Hand Tool <i>M.N.A Noordin, R.M. Hudzari, S.M Sapuan and M.A.H.A Ssomad</i>	IM-01	
		Experimental Design of Examination of Shear Technology for Biomass Comminuting <i>Mónika Bakosné Diószegi, Miklós Horváth, Ágota Drégelyi-Kiss</i>	IM-02	
		Analysis of Flat and Dry Polishing Parameter Influence on Surface Roughness for Robotic Polishing Cell <i>Ruzaidi Zamri, Napsiah Ismail, B.T. Hang Tuah Baharudin, Azmah Hanim Mohamed Ariff, Anton Satria Prabuwono</i>	IM-05	
Cab Transfer Process Improvement at an Automotive Manufacturing Facility <i>Nazrul Idzham Kasim, Z. Leman, Mohd Azam Musa and B.T.H.T. Baharudin</i>		IM-12		

**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

**PARALLEL SESSION C3**

<b>BERLIAN ROOM</b>	Time	Title	Abstract Code	Chairman
	1020 - 1220	Measurement of Indoor Air Quality Parameters in Daycare Centers in Kuala Lumpur Malaysia <i>Tezara Cionita, Nor Mariah Adam, Juliana Jalaludin, Mariani Mansor, and Januar Parlaungan Siregar</i>	TE-03	Dr. Siti Ujila Masuri
		Evaluation of Indoor Thermal Environment in a Radiant-Cooled-Floor Office Building in Malaysia <i>Qi Jie Kwong, Mohamad Afri Arsad and Nor Mariah Adam</i>	TE-13	
		CFD Analysis of Temperature Imbalance in Full Scale Tangentially Fired Coal Boiler <i>Siti Sarah Ain Fadhil, Hasril Hasini and Mohd Nasharuddin Mohd Jaafar</i>	TE-17	
		Experimental Analysis for Power Generation Using Rankine Cycle and Trilateral cycle from Renewable Hydrothermal Resources <i>Mowffaq Oreijah, Abhijit Datea, Aliakbar Akbarzadaha</i>	TE-19	
		Flame Temperature Distribution from ISO2685 Standard Propane-Air Burner Using CFD <i>Nadiir Bheekhun, Abd Rahim Abu Talib, Hasril Hasini and Mohd Roshdi Hassan</i>	TE-26	
		Envelope Analysis Using the Teager-Kaiser Energy Operator for Condition Monitoring of A Wind Turbine Bearing <i>Ifigeneia Antoniadou, Thomas P. Howard, R.S. Dwyer-Joyce, Matthew B. Marshall, Jack Naumann, Nikolaos Dervilis, and Keith Worden</i>	SHM-08	
		The Effect Of Nozzle Configuration on Characteristics of Fluidic Excited Jets <i>A.Mohabi and M.Hejazi</i>	TE-12	
Energy Absorption of Partially Filled side Member Subjected to Oblique Crash <i>M.S. Salwani, B.B. Sahari , Aidy Ali and A.A. Nuraini</i>		AE-03		

**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

**PARALLEL SESSION D3**

<b>BAIDURI ROOM</b>	<b>Time</b>	<b>Title</b>	<b>Abstract Code</b>	<b>Chairman</b>
	1020 - 1220	Improved Maintenance for Energy Optimization in the Calcium Compound Processing Industry <i>Jayaseelan Nadarajah, Faieza Abdul Aziz, B.T.Hang Tuah Baharudin and Amran Mohd Radzi</i>	AP-03	Ir. Razali Samin
		Determining Optimum Electro Discharge Machining Parameters in Drilling of a Small Hole By Utilizing of Taguchi Method <i>Hazami Che Hussain, M.K.A Ariffin and S. Sulaiman</i>	AP-05	
		Design Improvement of Automatic Transmission System for Remote Controlled Car <i>M.K.A Ariffin, Yee Lee T. , S.B. Mohammad</i>	AP-06	
		Problems Evaluation for TRIZ Method Using AHP: Case Study on Car's Dashboard Improvement Design Concepts <i>Uzair Rosli, M.K.A. Ariffin, S.M. Sapuan, S. Sulaiman</i>	AP-12	
		Analysis on Tool Life and Surface Characteristic In Milling Stavax Supreme Material <i>M. F. C. Ibrahim, B.T.H.T. Baharudin and N. Shari</i>	AP-13	
		Combination of Adaptive Enlargement and Reduction in The Search Neighbourhood in the Bees Algorithm <i>A.S. Azfanizam, D.T.Pham and A.A. Faieza</i>	AP-14	
		Modeling and Simulation of Forward AI Extrusion Process Using FEM <i>Hani Mizhir Magid, S. Sulaiman, M.K.A. Ariffin and B.T.H.T. Baharudin</i>	AP-16	
		Effectiveness of Automatic Dependent Surveillance and Controller Pilot Data Link Communication System <i>A.A.Faieza , S.N. Rashid and N.Zulkifli</i>	AP-20	

**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

**PARALLEL SESSION A4**

MAHKOTA III BALLROOM	Time	Title	Abstract Code	Chairman
	1415 - 1630	Study on the Effects of Geometrical Shapes and Orientations of Metal Foams Subjected to Impact Loading <i>M. Ghazali Kamardan, Ahmad Mujahid Ahmad Zaidi, Z. Fitri Z. Abidin, M. Noh Dalimin, Mohd Zaid Othman</i>	AE-21	Dr. Mohamad Ridzwan Ishak
		The Analysis and Improvement on Gibson - Ashby Young's Modulus Model of Various Metal Foams <i>M. Ghazali Kamardan, Ahmad Mujahid Ahmad Zaidi, Safiza Simon, M. Noh Dalimin, Mohd Zaid Othman</i>	AE-22	
		Simulation of Low Velocity Impact on Composite Hemispherical Shell <i>P.Zakikhani, R.Zahari and M.T.H.Sultan</i>	AM-21	
		Bending Strenght of Pultruded Hybrid Reinforced Resol Type Phenolic Composite <i>F.H.A. Malek, E.S. Zainudin, Paridah Md. Tahir, and M. Jawaid</i>	AM-30	
		Crushing Behavior of Hybrid Composite Fuselage-Shape Tubes <i>E. Mahdi, T. A. Sebaey</i>	AM-33	
		Machinability Improvement in Turning of Titanium Alloy (gr2) Using Cubic Boron Nitride (cBN) Cutting Tool <i>Ananda Kumar Eriki, K. Prahlada Rao and K.C. Varaprasad</i>	AP-15	
		Parametric Analysis of $\mu$ -Electric Discharge Machining of Non-Conductive Si3N4 <i>Nirdesh Ojha, Claas Mueller and Holger Reinecke</i>	IM-03	

**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

**PARALLEL SESSION B4**

<b>DELIMA ROOM</b>	<b>Time</b>	<b>Title</b>	<b>Abstract Code</b>	<b>Chairman</b>
	1415 - 1630	An SHM View of a CFD Model of Lillgrund Wind Farm <i>N. Dervilis, A.C.W. Creech, A.E. Maguire, I. Antoniadou, R.J. Barthorpe and K. Worden</i>	SHM-09	Dr. Zamir Aimaduddin Zulkefli
		Green Building: Case Study of Diamond Building, Energy Commission Malaysia <i>M. Ashraf Fauzi and Z. Leman</i>	TE-05	
		Comparison of Different Neural Network Training Algorithms for Wind Velocity Forecasting <i>Shervin Safaei, Morteza Khalaji Assadi</i>	TE-06	
		Efficient Vibration Control with A Semi-Active Vibration Absorber in A Semiconductor Fab <i>Teng-Sheng Su, Chen-Far Hung, Shu-Hua Chang, Ting-Hao Wu and Luh-Maan Chang</i>	SV-05	
		Lateral Collision with Side Airbag: A Literature Review <i>S. K. Lee, N. A. Abdul Jalil</i>	SV-10	
		Effect of Nozzle Angle on Spray Losses Reduction <i>Nasir S. Hassen, Nor Azwadi C. Sidik and Jamaludin M. Sheriff</i>	TE-11	
		Use of Fuzzy Logic to Control Air Intake For Increase in Boiler Efficiency <i>Wasakron Treedet and Ratchaphon Suntivarakorn</i>	TE-16	
Thermal Conductivity of Carbon Nanotubes-Reinforced Copper Matrix Composites Produced by Powder Metallurgy <i>Faiz Ahmad, Muhammad Aslam, M.Rafi Raza, Ali S.Muhsan, M.Irfan Shirazi</i>		TE-20		



**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

**PARALLEL SESSION C4**

BERLIAN ROOM	Time	Title	Abstract Code	Chairman
	1415 - 1630	Selection of Natural Fibre for Hybrid Laminated Composites Vehicle Spall Liners Using Analytical Hierarchy Process (AHP) <i>Ridwan Yahaya, S.M. Sapuan, Z. Leman, E.S. Zainudin</i>	AM-06	Associate Professor Ir. Dr. Mohd Khairol Anuar Mohd Ariffin
		Fabrication Technique for Bio-Composite Patch Repair on Laminated Structures of CFRP Plate <i>M.K.H. Muda, F. Mustapha, K.D.M. Aris, M.T.H. Sultan</i>	AM-16	
		Characterisation of Aluminium Matrix Syntactic Foams Dynamic Loading <i>M. Altenajji, G. Zhongwei, W. Cantwell, Y.Y. Zhao</i>	AP-18	
		Effect of Secondary Cooling Configuration on Microstructure of Cast in Semi-Continuous Casting of Copper and Brass <i>Amar Hasan Hameed and Ammar Tariqu Abed</i>	AP-19	
		The Effect of TiAlN and TiN Coating When Milling INCONEL 718 <i>K. Kamdani, S. Hasan and M. A. Lajis</i>	IM-06	
		Correlation Between Welding Parameter and Bead Geometry of Flux Cored Arc Welding (FCAW) in Horizontal Position (2F) <i>Nik Mohd Baihaki Abd Rahman, Abdul Ghalib Tham, Sunhaji Kiyai Abas, Razali Hassan, Yupiter HP Manurung, Mohd Ridhwan Mohammed Redza and Mohamad Yazman Yaakub</i>	IM-07	
		Heat Exchanger Network Optimization By Differential Evolution Method <i>Ngo Thi Phuong Thuy, Rajashekhar Pendyala, Nejat Rahmanian and Narahari Marneni</i>	IM-09	
Effect of Operating Temperatures on Thermal Conductivity of Polystyrene Insulation Material: Impact on Envelope-Induced Cooling Load <i>Maatouk Khoukhi, and Mahmoud Tahat</i>		AM-05		

**DAY 2 - WEDNESDAY, 27 NOVEMBER 2013**

**PARALLEL SESSION D4**

<b>BAIDURI ROOM</b>	Time	Title	Abstract Code	Chairman
	1415 - 1630	Developing a Framework for Sustainable Supply Chain Management <i>Zohreh Molamohamadi, N. Ismail, Z. Leman and N. Zulkifli</i>	IE-04	Professor Datin Dr. Napsiah Ismail
		Quality Management System and Risk Management System: Similarities and Possibilities for Integration <i>Mahmoud Asad Samani, N. Ismail, Z. Leman, N. Zulkifli</i>	IE-22	
		Alternative Numerical Validation Methodology for Short-Term Development Projects <i>Mohamed P.Hassan, Abdullah S. Mahmud, A.S. Mohd Rafie and Rizal Zahari</i>	IE-25	
		A review of the Critical Success Factors in the Adoption of a Lean Production System within Small and Medium Sized Enterprises <i>H. Tamjid Yamchello, R. SaminA. Tamjidyamcholo, P. Bareji, A. Beheshti</i>	IE-27	
		Skills Improvement of Instructor to Provide Technical Consultation with Industries <i>Zeti Kasman and Faieza Abdul Aziz</i>	IE-29	
		An Optimization Approach to Solve a Multi-Objective Unrelated Parallel Machine Scheduling Problem <i>S. Sadeghi, Sh. Ariafar, M. Ghanbari, N. Ismail</i>	IM-10	
		Function-Based Conceptual Design Expert (CDE) Systems: Development Trend and Gaps Identification <i>Amad Uddin, Mohammed Khurshid Khan and Felician Campean</i>	IM-13	
		A Framework of Knowledge Based System for Integrated Maintenance Strategy and Operation <i>Milana, Mohammed K. Khan, J. Eduardo Munive</i>	IM-14	