

<b>DAY 1, Tuesday 8 August 2017</b>
<b>REGISTRATION: 08.00-11.30</b> <b>Venue: Foyer, IIUM Cultural Centre</b>
<b>OPENING CEREMONY: 09.00-11.00</b> <b>Venue: IIUM Cultural Centre</b>
<b>TEA BREAK: 11.00-11.30</b> <b>Venue: IIUM Cultural Centre</b>
<b>CONGRESS KEYNOTE SPEAKER 1: 11.30-12.00</b> <b>Venue: Main Auditorium, Kulliyyah of Engineering</b> <b>Title: Mathematical Methods in Modern Engineering</b> <b>Prof. Shavkat Alimov - Chief Scientist, MIMOS Bhd.</b>
<b>CONGRESS KEYNOTE SPEAKER 2: 12.00-12.30</b> <b>Venue: Main Auditorium, Kulliyyah of Engineering</b> <b>Title: MEMS and Microfluidics: Interfacing Macro and Nano World</b> <b>Prof. Dato' Dr. Burhanuddin Yeop Majlis- Institute of Microengineering and Nanoelectronics (IMEN), UKM</b>
<b>CONGRESS KEYNOTE SPEAKER 3: 12.30-13.00</b> <b>Venue: Main Auditorium, Kulliyyah of Engineering</b> <b>Title: Adaptive Human-Machine Interaction: The Human in the Loop</b> <b>Prof. Dr. Sc. Tech. Essam Badreddin - University of Heidelberg</b>

<b>ICAMME Keynote Session, Tuesday 8 August 2017: 14.30 – 15.15</b>
<b>14.30 – 15.15</b>
<b>Keynote Session 1</b>
<b>Chairperson: Prof. Dr. Mohammad Yeakub Ali    Co-chair: Assoc. Prof. Dr. Mohd Hanafi Ani    Venue: Audi A</b>
<b>Title: Vegetable oil based lubrication towards green machining: From flooded to minimum quantity lubrication mode</b> <b>Professor Dr. Imtiaz Ahmed Choudhury</b> <b>Dept. of Mechanical Engineering, UM</b>

Parallel Technical Sessions I, Tuesday 8 August 2017: 15.15 – 17.00				
15.15 – 15.30	15.30 – 15.45	15.45 – 16.00	16.00 – 16.15	16.15 – 16.30
<b>IA: Nanomaterials</b> <b>Chairperson: Dr. Norshahida Sarifuddin    Co-chair: Dr. Noor Azlina Hassan    Venue: E2-1-1</b>				
<b>Paper ID: 50</b>  <b>In-situ polymerization of Polyaniline/Polypyrrole Copolymer using different techniques for different nanostructures production</b>  <i>Ahmed Hammad, Hussain Noby, Marwa Elkady, Ahmed Elshazly</i>	<b>Paper ID: 52</b>  <b>Comparison Study On Biosynthesis Of Silver Nanoparticles Using Fresh And Hot Air Oven Dried Imperata Cylindrica Leaf</b>  <i>Noor Najmil Bonnia, Afiza Ahmad Fairuzl, Rabiatal Adawiyah Md Akhir, Sabrina M Yahaya, Noor Azlina Hassan</i>	<b>Paper ID: 65</b>  <b>Effect Of Pineapple Leaf Fibers (PALF) Concentration on Nanofibers Formation by Electrospinning</b>  <i>Siti Norasmah Surip, Fatimah Muyassarah Abdul Aziz, Noor Najmi Bonnia, Khairunnadim Ahmad Sekak</i>	<b>Paper ID: 72</b>  <b>Optimization of TiO<sub>2</sub> Thin Film Thickness for Dye Sensitized Solar Cell Applications</b>  <i>Souad A.M. Al-Bat'hi, Nafees Ahmed, Raihan Othman, Maizatunlisa Binti Othman</i>	<b>Paper ID: 87</b>  <b>Band Diagram Model for Unusual Energy Separations of Subband in Highly Doped Si(111) p-type Inversion Layer</b>  <i>Nur Idayu Ayob, Sakura N. Takeda, Takeshi J. Inagaki, Hiroshi Daimon</i>
<b>16.30 – 16.45</b>	<b>16.45-17.00</b>			
<b>Paper ID: 91</b>  <b>Mechanical Properties of Hybrid SiC/CNT Filled Toughened Epoxy Nanocomposite</b>  <i>Suzana Ratim, Sahrim Ahmad, Noor Najmi Bonnia, Sabrina M. Yahaya</i>	<b>Paper ID: 96</b>  <b>Understanding the significant production variables of fish gelatin nanoparticles production by Plackett-Burman design</b>  <i>Deni Subara, Irwandi Jaswir, Maan Fahmi Rashid Alkhatib, Ibrahim Ali Noorbatcha</i>			

Parallel Technical Sessions I, Tuesday 8 August 2017: 15.15 - 17.00				
15.15 – 15.30	15.30 – 15.45	15.45 – 16.00	16.00 – 16.15	16.15 – 16.30
<b>IB: Metallic Materials</b> <b>Chairperson: Prof. Dr. Md. Abdul Maleque      Co-chair: Dr. Hafizah Hanim Mohd. Zaki      Venue: E2-1-2</b>				
<b>Paper ID: 7</b>  <b>Effects of Forming Temperature and Sintering Rate to the Final Properties of FeCuAl Powder Compacts Formed through Uniaxial Die Compaction Process</b>  <i>Md. Mujibur Rahman, Mohamad Ayub Ismail, Iis Sopyan, Hendri Yani Rahman</i>	<b>Paper ID: 13</b>  <b>The Role of Tin and Magnesium in Assisting Liquid Phase Sintering of Aluminum (Al)</b>  <i>Nur Ayuni Jamal, Farazila Yusof, Maizatunisa Othman, Khalisanni Khalid, Muhamad Nazarudin Zakaria</i>	<b>Paper ID: 51</b>  <b>Effects of Sintering Schedule to the Characteristics of FeCrAl Powder Compacts Formed at Elevated Temperature</b>  <i>Md. Mujibur Rahman, Hendri Yani Rahman, Muhammad Amir Afzam Awang, Iis Sopyan</i>	<b>Paper ID: 62</b>  <b>Electrodeposition of Zinc Antimony Alloy Thermoelectric Materials</b>  <i>Assayidatul Laila Nor Hairi, Mohd Nazirul Romainor, Raihan Othman</i>	<b>Paper ID: 68</b>  <b>Effect of EFB content on reducibility of low grade iron ore composite at 900°C – 1200°C</b>  <i>Hadi Purwanto, Hamzah Mohd Salleh, Ainun Shaheera Mohamad, Amrina Zakiyuddin, Alyaa Naili Rozhan</i>
<b>16.30 – 16.45</b> <b>Paper ID: 69</b>  <b>Effect of Temperature on Porosity of Iron Ore Sinter with Biochar Derived from EFB</b>  <i>Amrina Mohd Zakiyuddin, Hadi Purwanto, Alya Naili Rozhan, Ainun Shaheera Mohamad</i>	<b>16.45-17.00</b> <b>Paper ID: 76</b>  <b>Effect of Dissolved Hydrogen on Schottky Barrier Height of Fe-Cr Alloy Heterojunction</b>  <i>Ahmad Nukhaie Berahim, Mohd Zikri Zaharuddin, Mohd Hanafi Ani, Syamsul Kamal Arifin</i>			

Parallel Technical Sessions I, Tuesday 8 August 2017: 15.15 - 17.00				
15.15 – 15.30	15.30 – 15.45	15.45 – 16.00	16.00 – 16.15	16.15 – 16.30
<b>IC: Surface Engineering</b> <b>Chairperson: Dr. 'Atiah Abdullah Sidek    Co-Chair: Dr. Irfan Hilmy    Venue: E2-1-3</b>				
<b>Paper ID: 19</b>  <b>Pressure Variation of Developed Lapping Tool on Surface Roughness</b>  <i>Ahmad kamal Hussain, KeeQuen Lee, Lwin Moe Aung, LitKen Tan, Hooi Siang Kang</i>	<b>Paper ID: 27</b>  <b>Nitride Alloy Layer Formation of Duplex Stainless Steel Using Nitriding Process</b>  <i>M A Maleque, P H Lailatul, A A Fathaen, K Norinsan, J Haider</i>	<b>Paper ID: 45</b>  <b>Surface Modification of Polycaprolactone (PCL) Microcarrier for Performance Improvement of Human Skin Fibroblast Cell Culture</b>  <i>Nurhusna Samsudin, Yumi Zuhanis Has-Yun Hashim, Mohd Azmir Arifin, Maizirwan Mel, Hamzah Mohd Salleh, Iis Sopyan</i>	<b>Paper ID: 64</b>  <b>The Influence of Machining Conditions and Cutting Tool Wear on Surface Roughness of AISI 4340 Steel</b>  <i>Natasha A. Raof, Jaharah A. Ghani, Che Hassan Che Haron, Syarif Junaidi</i>	<b>Paper ID: 70</b>  <b>Particulate preplaced TIG melted surface layer of duplex stainless steel</b>  <i>M A Maleque, Mohd Afiq</i>
16.30 – 16.45	16.45-17.00			
<b>Paper ID: 75</b>  <b>Influence of Wire Electrical Discharge Machining (WEDM) Process Parameters on Surface Roughness</b>  <i>Mohammad Yeakub Ali, Asfana Banu, Mazila Abu Bakar</i>	<b>Paper ID: 90</b>  <b>A comparison between destructive and non-destructive techniques in determining coating thickness</b>  <i>Farag Haider, Suryanto Suryanto, Muhammad Ani, Mahmood Mahmood</i>			

Parallel Technical Sessions I, Tuesday 8 August 2017: 15.15 - 17.00				
15.15 – 15.30	15.30 – 15.45	15.45 – 16.00	16.00 - 16.15	16.15 - 16.30
<b>ID: Modeling &amp; Simulation, Manufacturing Systems</b> <b>Chairperson: Prof. Dr. Iskandar Idris Yaacob      Co-Chair: Dr. Norhashimah Mohd Shaffiar      Venue: E2-1-4</b>				
<b>Paper ID: 28</b>  <b>An Integrated Approach for Facilities planning by ELECTRE Method</b>  <i>Elhasan M.Y. Elbishari, Muataz Hazza Faizi AL Hazza, Erry Y. T. Adesta, Nur Salihah Binti Abdul Rahman</i>	<b>Paper ID: 32</b>  <b>Finite Element Analysis On Deformation Of Stretchable Electronic Interconnect Substrate Using Polydimethylsiloxanes (PDMS)</b>  <i>M.Faez Roslan, Norhashimah Mohd Shaffiar, Nor Khairusshima M.K., Sharifah I.S.S</i>	<b>Paper ID: 40</b>  <b>Product Development and Cost Analysis of fabricating the prototype of Roller Clamp Intravenous (I.V) tubing Medical Device using Fused Deposition Modeling (FDM)</b>  <i>Wan Ahmad Yusmawiza Wan Yusoff</i>	<b>Paper ID: 43</b>  <b>Evaluating 8 Pillars of Total Productive Maintenance (TPM) Implementation and Their Contribution to Manufacturing Performance</b>  <i>Erry Yulian T Adesta, Herry Agung Prabowo</i>	<b>Paper ID: 71</b>  <b>Productivity Improvement Using Discrete Events Simulation approach</b>  <i>Muataz Hazza F. Al Hazza, Elhasan M.Y. Elbishari, Erry Y. T. Adesta, Nur Salihah Binti Abdul Rahman</i>
16.30 – 16.45	16.45-17.00	17.00 - 17.15		
<b>Paper ID: 83</b>  <b>Modelling and Validation of Proton Exchange Membrane Fuel Cell (PEMFC)</b>  <i>A K M Mohiuddin, Norasyikin Basran, Ahsan Ali Khan</i>	<b>Paper ID: 111</b>  <b>Implementing Lean in Malaysian Universities: An Insight of a Local Faculty of Engineering</b>  <i>Mohamad Azim Mohd Khairi, Mohamed Abd Rahman</i>	<b>Paper ID: 113</b>  <b>Lean Energy Analysis of CNC Lathe Machine</b>  <i>Nur Aimi Liana bt Jamil, Nizar Amsyar Bin Md Zaki, Irfan Hilmy, MD Yusof</i>		

ICAMME Keynote Sessions, Wednesday 9 August 2017: 09.00 – 10.30	
09.00 – 09.45	09.45 – 10.30
<b>Keynote Sessions 2 &amp; 3</b> <b>Chairperson: Assoc. Prof. Dr. Ir. Zuraida Ahmad Co-chair: Assoc. Prof. Dr. Hadi Purwanto Venue: Audi A</b>	
<b>Title: A manufacturing journey: from lab prototype to commercial ready devices</b>  <b>Professor Dr. Mohd Hamdi Abdul Shukor – University of Malaya</b>	<b>Title: Fabrication and Properties of Multi-walled Carbon Nanotubes in Woven Glass and Woven Kenaf Reinforced Epoxy Laminated Composites</b>  <b>Prof. Dr. Ir. Mariatti Jaafar - University of Science, Malaysia</b>

Parallel Technical Sessions II, Wednesday 9 August 2017: 11.00 – 13.00				
11.00 – 11.15	11.15 – 11.30	11.30 – 11.45	11.45 – 12.00	12.00 – 12.15
<b>IIA: Composite Materials</b> <b>Chairperson: Dr. Maizatunisa Othman Co-chair: Dr. Zahurin Halim Venue: E2-1-1</b>				
<b>Paper ID: 10</b>  <b>Influence of Fiber Treatment on Dimensional Stabilities of Rattan Waste Composite Boards</b>  <i>Zuraida Ahmad, Insyirah Yahaya, Maisarah Tajuddin</i>	<b>Paper ID: 16</b>  <b>Effect of Alkali treatments on physical and Mechanical strength of Pineapple leaf fibres</b>  <i>Mohammad Asim, Mohammad Jawaid, Kalina Abdan, Mohammad Nasir</i>	<b>Paper ID: 21</b>  <b>Physical properties of coir and pineapple leaf fibre reinforced polylactic acid hybrid composites</b>  <i>Ramengmawii Siakeng, Mohammad Jawaid, Hidayah Ariffin, Mohd Sapuan</i>	<b>Paper ID: 26</b>  <b>Thermal Properties of Durian Skin Fibre Nanocomposite Reinforced Polypropylene</b>  <i>Siti Nur E'zzati Mohd Apandi, Hazleen Anuar, Siti Munirah Salimah Abd. Rashid</i>	<b>Paper ID: 59</b>  <b>Analysis and modeling of delamination factor in drilling of woven kenaf fiber reinforced epoxy using Box Behnken experimental design</b>  <i>Suhaily Mokhtar, Che Hassan Che Haron, Jaharah A Ghani, Afifah Mohd Ali, Nor Khairusshima Mohd Khairussaleh</i>
12.15 – 12.30				
<b>Paper ID: 101</b>  <b>Study of Irradiated-Recycled Polypropylene Compatibilizer on the Properties of Microcrystalline Cellulose</b>				

<b>Reinforced Recycled Polypropylene Composites: Effects of electron radiation dose</b>  <i>Noorasikin Samat, Siti Nor Rasyidah Motsidi, Nurul Hakimah Mohd Lazim</i>				
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Parallel Technical Sessions II, Wednesday 9 August 2017: 11.00 – 13.00				
11.00 – 11.15	11.15 – 11.30	11.30 – 11.45	11.45 – 12.00	12.00 – 12.15
<b>IIB: Machining and Welding</b> <b>Chairperson: Assoc. Prof. Dr. Mohamed Konneh</b> <b>Co-chair: Dr. Nor Khairusshima Binti Muhamad Khairussaleh</b> <b>Venue: E2-1-2</b>				
<b>Paper ID: 15</b>  <b>Experimental Investigation of Minimum Quantity Lubrication in Meso-scale Milling with Varying Tool Diameter</b>  <i>Hanis Nabillah, Syazani Harun, Mizan Qistina Mohd Yusof, Rubina Bahar</i>	<b>Paper ID: 33</b>  <b>Machinability study of soda lime glass in high speed end milling</b>  <i>Mohamed Konneh, Mst. Nasima Bagum, Mohammad Yeakub Ali</i>	<b>Paper ID: 34</b>  <b>Chip morphology as a performance predictor during high speed end milling of soda lime glass</b>  <i>Mst. Nasima Bagum, Mohamed Konneh, Mohammad Yeakub Ali</i>	<b>Paper ID: 35</b>  <b>Establishing relationship between process parameters and temperature during high speed end milling of soda lime glass</b>  <i>Mst. Nasima Bagum, Mohamed Konneh, Mohammad Yeakub Ali</i>	<b>Paper ID: 36</b>  <b>Tool wear mechanisms during cutting of soda lime glass</b>  <i>Mohamed Konneh, Mst. Nasima Bagum, Mohammad Yeakub Ali, Tasnim Firdaus Bt. Mohamed Arif</i>
<b>12.15 – 12.30</b>  <b>Paper ID: 84</b>  <b>Toolpath Strategy for Cutter Life Improvement in Plunge Milling of AISI H13 Tool Steel</b>  <i>Erry Yulian Tribblas Adesta, Avicenna Avicenna, Irfan Hilmy, Mohd Radzi Haji Che Daud</i>	<b>12.30 – 12.45</b>  <b>Paper ID : 63</b>  <b>Effect of process parameters on microhardness and microstructure of heat affected zone in TIG welded X65-HSLA steel</b>  <i>Musa M. H. A, M. A. Maleque, M. Y. Ali</i>			

Parallel Technical Sessions II, Wednesday 9 August 2017: 11.00 – 13.00				
11.00 – 11.15	11.15 – 11.30	11.30 – 11.45	11.45 – 12.00	12.00 – 12.15
<b>IIC: Ceramics &amp; Smart Materials</b> <b>Chairperson: Dr. Yose Fachmi Buys      Co-Chair: Dr. Farah Diana Mohd Daud      Venue: E2-1-3</b>				
<b>Paper ID: 9</b>  <b>Fabrication of silica ceramic membrane via sol-gel dip-coating method at different nitric acid amount</b>  <i>Farah Diana Mohd Daud, Nor Amyra Zulianey Kahlib, Maizirwan Mel</i>	<b>Paper ID: 12</b>  <b>Effect of Compaction Pressure of Green Body and Heating Current on Photoluminescence Property of ZnO Crystal Grown by Electric Current Heating Method</b>  <i>M H Mazwir, H L Yee, S R Misskon, A G E Sutjipto, M A Jusoh, R Othman</i>	<b>Paper ID: 49</b>  <b>Optimizing the Synthesis of Alumina Inserts Using Hot Isostatic Pressing (HIP)</b>  <i>Tasnim Firdaus Ariff, Mohamed Nuresyam Sariff, S N Rasid, Siti Zulaikha Zahari, Ahmad Zahirani Azhar, Rubina Bahar, Mustafizul Karim, AKM Nurul Amin</i>	<b>Paper ID: 66</b>  <b>Viability of MCM-41 Inorganic Membrane Separator for Secondary Alkaline Cells</b>  <i>Shahrul Razi Meskon, Raihan Othman, Mohd Hanafi Ani</i>	<b>Paper ID: 108</b>  <b>Effect of MgO Additives on the Properties and Microstructure of ZTA-TiO<sub>2</sub> Ceramic Composites</b>  <i>Ahmad Zahirani Ahmad Azhar, Afifah Mohd Ali, Hanisah Manshor</i>
12.15 – 12.30	12.30 – 12.45	12.45 – 13.00		
<b>Paper ID: 53</b>  <b>Vibration Isolation Analysis of New Design OEM Damper for Malaysia Vehicle Suspension System featuring MR Fluid</b>  <i>Mohd Hishamuddin Unuh, Pauziah Muhamad, Norfazrina Hayati Mohd Yatim, Mohamad Amiruddin Ismail, Zaimi Tanasta</i>	<b>Paper ID: 80</b>  <b>Effect of Different Reducing Agents on Phase Formation and Transformation Behaviour of Ni-Ti Shape Memory Alloy</b>  <i>Hafizah hanim Mohd Zaki, Nik Amnani Bahrudin, Jamaluddin Abdullah, Norshahida Sarifuddin</i>	<b>Paper ID: 81</b>  <b>Altering Height Data by Using Natural Logarithm as 3D Modelling Function for Reverse Engineering Application</b>  <i>Nur Ilham Aminullah Abdulqawi, Mohd Salman Abu Mansor</i>		



Parallel Technical Sessions II, Wednesday 9 August 2017: 11.00 – 13.00				
11.00 – 11.15	11.15 – 11.30	11.30 – 11.45	11.45 – 12.00	12.00 – 12.15
<b>IID: Mechanical Engineering</b> <b>Chairperson: Dr. Irfan Hilmy    Co-Chair: Dr. Natasha A. Raof    Venue: E2-1-4</b>				
<b>Paper ID: 25</b>  <b>Mechanical Performance of Porous Concrete Pavement Containing Nano Black Rice Husk Ash</b>  <i>Mohd Ibrahim Mohd Yusak, Ramadhansyah Putra Jaya, Mohd Rosli Hainin, Mohd Haziman Wan Ibrahim</i>	<b>Paper ID: 37</b>  <b>Electrostatic Discharge (ESD) Dust Removal and Neutralization Using The Air Ionizer for Polymer Material Application in Automotive Industry</b>  <i>Muhammad Hafizan Yosri, Pauziah Muhamad, Norfazrina Hayati Mohd Yatim, Mohamad Amiruddin Ismail</i>	<b>Paper ID: 39</b>  <b>Root Cause Analysis (RCA) implementation in Malaysian automotive industry</b>  <i>Wan Ahmad Yusmawiza Wan Yusoff</i>	<b>Paper ID: 58</b>  <b>Modeling and Simulation of Graphene/Palladium catalyst reformer for hydrogen generation from waste of IC engine</b>  <i>Ataur Rahman, Kaw Myo Aung Rafia Afroz</i>	<b>Paper ID: 61</b>  <b>The effects of excess calcium on the handling and mechanical properties of hydrothermal derived calcium phosphate bone cement</b>  <i>Nurul Nabilah Razali, Muhammad Amirul Sukardi, Iis Sopyan, Maizirwan Mel, Hamzah Mohd Salleh, Md Mujibur Rahman</i>
12.15 – 12.30	12.30 – 12.45	12.45 – 13.00		
<b>Paper ID: 67</b>  <b>Energy Harvesting from Aerodynamic Instabilities: Current prospect and Future Trends</b>  <i>Musavir Bashir, Parvathy Rajendran, S. A. Khan</i>	<b>Paper ID: 93</b>  <b>Transient Flow in a Compressor Blade Row for a Periodic Vibration Motion</b>  <i>Moumen Idres, Mohamed Labanie, Mohamed Okasha</i>	<b>Paper ID: 112</b>  <b>Experimental Investigation on Frequency Shifting of Imperfect Adhesively Bonded Pipe Joint</b>  <i>Fatin Nur Haiyam Bt Ahmad Suzaima, Irfan Hilmy, Erry Yullian Triblas Adesta, Erwin Sulaeman, Tasnim Firdaus</i>		

Parallel Technical Sessions III, Wednesday 9 August 2017: 14.30 – 17.00				
14.30 – 14.45	14.45 – 15.00	15.00 – 15.15	15.15 – 15.30	15.30 – 15.45
<b>IIIA: Green Technology</b> <b>Chairperson: Assoc. Prof. Dr. Suryanto Co-chair: Dr. Norita Hassan Venue: E2-1-1</b>				
<b>Paper ID: 41</b>  <b>Determining System Boundaries Of Commercial Broiler Operation In Malaysia Using Life Cycle Assessment (Lca) Approach: Case Study</b>  <i>Atiah Abdullah Sidek, Syakira Afiqah Suffian, Che Saiful Asmawi Che Ismail, Hazlina Md Yusof, Muataz Hazza Faizi al Hazza</i>	<b>Paper ID: 42</b>  <b>Inventory Data On Commercial Broiler Chicken Production System Using Life Cycle Assessment Approach: A Case Study</b>  <i>Syakira Afiqah Suffian, Atiah Abdullah Sidek, Che Saiful Asmawi Che Ismail, Muataz Hazza Faizi al Hazza, Hazlina Md Yusof</i>	<b>Paper ID: 56</b>  <b>An Examination Of How A Small And Medium Enterprise stakeholder Influence Green Supply Chain Management Practices</b>  <i>Atiah Abdullah Sidek, Muhammad Zulhilmi Shahlian, Syakira Afiqah Suffian, Muataz Hazza Faizi Al Hazza, Mohd Radzi Hj Che Daud</i>	<b>Paper ID: 57</b>  <b>Exploring How Environmental Management Competitive Pressure Affect An Sme Environmental Innovation Activities: A Green Supply Chain Perspective</b>  <i>Atiah Abdullah Sidek, Akmal Abdul Rashid, Syakira Afiqah Suffian, Muataz Hazza Faizi al Hazza, Mohd Radzi Hj Che Daud</i>	<b>Paper ID: 60</b>  <b>Study on the Mechanical Analysis of Gracilaria Lichenoides Filled Propane -1, 2, 3- Triol</b>  <i>Maizatunlisa Othman, Nurul Hasmida, Zahurin Halim, Nur Ayuni Jamal, Khalissani Khalid, Nazarudin Zakaria, Souad A. M. Al-Bat'hi</i>
15.45 – 16.00	16:00-16:15	16:15-16:30	16:30-16:45	
<b>Paper ID: 79</b>  <b>Extraction of Caustic Potash from Spent Tea for Biodiesel Production</b>  <i>Sarina Sulaiman, Ahmad Faiz Che Fisol, Atikah Mohamed Sharikh</i>	<b>Paper ID: 97</b>  <b>Electrical Discharge Machining (EDM) using Aluminum Oxide Powder mixed Dielectric Fluid</b>  <i>Ahsan Ali Khan, Mohiuddin AK, Muhammad Alif Abdul Latif</i>	<b>Paper ID: 103</b>  <b>Analysis of Design Tool Attributes with Regards to Sustainability Benefits</b>  <i>Saidi Zain, Ahmad F Ismail, Zuraida Ahmad, Erry Y T Adesta</i>	<b>Paper ID: 8</b>  <b>Preparation and Characterization of Jackfruit Seed Starch/Poly (Vinyl Alcohol) (PVA) Blend Film</b>  <i>Norshahida Sarifuddin, Nur'Aishah Ahmad Shahrin, Nur Najihah Solehah Abdul Rani, Hafizah Hanim Mohd Zaki, Ahmad Zahirani Ahmad Azhar</i>	

Parallel Technical Sessions III, Wednesday 9 August 2017: 14.30 – 17.00				
14.30 – 14.45	14.45 – 15.00	15.00 – 15.15	15.15 – 15.30	15.30 – 15.45
<b>IIIB: Manufacturing Engineering &amp; Allied Area</b> <b>Chairperson: Prof. Dr. Ahsan Ali Khan   Co-chair: Dr. Abd. Malek Abdul Hamid   Venue: E2-1-2</b>				
<b>Paper ID: 86</b>  <b>Investigation of tool engagement and cutting performance in machining a pocket</b>  <i>Roshaliza Hamidon, Erry Yulian Triblas Adesta, Muhammad Riza</i>	<b>Paper ID: 98</b>  <b>Experimental Study of Electrical Discharge Drilling of Stainless Steel UNS S30400</b>  <i>Ebrahim Hanash, Mohammad Yeakub Ali</i>	<b>Paper ID: 99</b>  <b>The Optimization Study on the Tool Wear of Carbide Cutting Tool during Milling Carbon Fibre Reinforced (CFRP) using response Surface Methodology</b>  <i>Nor Khairusshima Muhamad Khairussaleh, Muhammad Hafiz Zakwan Basir, Suhaily Mokhtar, Sharifah Imihezri Syed Saharuddin, Norhashimah Shaffiar</i>	<b>Paper ID: 24</b>  <b>Assembly Meshing of Abrasive Waterjet Nozzle Erosion</b>  <i>Naqib Hakim Kamarudin, Mohd Azmir Mohd Azhari</i>	<b>Paper ID: 78</b>  <b>Undercut Feature Recognition for Core and Cavity Generation</b>  <i>Mursyidah Md. Yusof, Mohd Salman Abu Mansor</i>
15.45 – 16.00	16.00-16.15	16.15-16.30		
<b>Paper ID: 95</b>  <b>3D Documentation of the Petalaindera: Digital Heritage Preservation Methods using 3D Laser Scanner and Photogrammetry</b>  <i>Harlina Md Sharif, Hazman Hazumi, Rafiq Hafizuddin Meli</i>	<b>Paper ID: 104</b>  <b>The Effect of Cutting Parameters on the Performance of ZTA-MgO Cutting Tool</b>  <i>Afifah Mohd. Ali, Nur Khairunnisa Mohd Zaki, Nor Ezzati Hamidon, Suhaily Mokhtar, Ahmad Zahirani Ahmad Azhar, Rubina Bahar, Zainal Arifin Ahmad</i>	<b>Paper ID: 115</b>  <b>A Secondary, Coplanar Design Ni/MCM-41/Zn Microbattery</b>  <i>Shahrul Razi Meskon, Raihan Othman, Mohd Hanafi Ani</i>		

Parallel Technical Sessions III, Wednesday 9 August 2017: 14.30 – 17.00				
14.30 – 14.45	14.45 – 15.00	15.00 – 15.15	15.15 – 15.30	15.30 – 15.45
<b>IIIC: Polymeric Materials &amp; Coating Tribology</b> <b>Chairperson: Prof. Dr. Iis Sopyan</b> <b>Co-chair: Dr. Sharifah Imihezri Binti Syed Shaharuddin</b> <b>Venue: E2-1-3</b>				
<b>Paper ID: 31</b>  <b>Effect of Solvents on the Morphology and Performance of Polyethersulfone (PES) Polymeric Membranes Material for CO<sub>2</sub>/CH<sub>4</sub> Separation</b>  <i>Muhammad Shahidi Bin Ahmad, Dzeti Farhah Mohshim, Rizwan Nasir, Hafiz Abdul Mannan, Hilmi Mukhtar</i>	<b>Paper ID: 48</b>  <b>Antiwashout Behavior of Calcium Phosphate Cement Incorporated with Poly(ethylene glycol)</b>  <i>Sufiamie Hablee, Iis Sopyan, Maizirwan Mel, Hamzah Mohd. Salleh, Md. Mujibur Rahman</i>	<b>Paper ID: 77</b>  <b>Preparation of SS316L MIM feedstock with biopolymer as a Binder</b>  <i>Aida Ashikin Abdullah, Norita Hassan, Abu Bakar Sulong, Najlaa Nazihah Mas'ood</i>	<b>Paper ID: 85</b>  <b>Mechanical Properties, Morphology, and Hydrolytic Degradation Behavior of Polylactic Acid / Natural Rubber Blends</b>  <i>Yose Fachmi Buys, Aisyah Nur Atiqah Aznan, Hazleen Anuar</i>	<b>Paper ID: 20</b>  <b>Hardness and Adhesion Performances of Nanocoating on Carbon Steel</b>  <i>Noor Azlina Hassan, Norhasnidawani Johari, Norita Hassan</i>
<b>15.45 – 16.00</b> <b>Paper ID: 92</b>  <b>Protective Behavior of Poly(m-aminophenol) and Polypyrrole Coatings on Mild Steel</b>  <i>Sabrina M Yahaya, Mohamad Kamal Harun, Rosmamuhamadani Ramli, Suzana Ratim, Noor Najmi Bonnia Bonnia</i>	<b>16.00 – 16.15</b> <b>Paper ID: 100</b>  <b>Effect of Different Concentration of Sodium Hydroxide (NaOH) on Kenaf Sandwich Structures</b>  <i>Zahurin Halim, Mursyida Aziz, Maizatunlisa Othman</i>	<b>16.15 – 16.30</b> <b>Paper ID: 116</b>  <b>Effect of Thermoplastic Polyurethane (TPU) on the Thermal and Mechanical Properties of Polylactic Acid/ Curcumin Blends</b>  <i>Sharifah Imihezri Syed Shaharuddin, Nor Khairusshima MK, Norhashimah M Shaffiar, Yose Fachmi Buys</i>		

Parallel Technical Sessions III, Wednesday 9 August 2017: 14.30 – 17.00				
14.30 – 14.45	14.45 – 15.00	15.00 – 15.15	15.15 – 15.30	15.30 – 15.45
<b>IIID: Metal Foam &amp; Corrosion</b> <b>Chairperson: Dr. Muataz Hazza Co-chair: Dr. Afifah Mohd Ali Venue: E2-1-4</b>				
<b>Paper ID: 14</b>  <b>Experimental Study Of Low-Velocity Impact On Foam-Filled Kraft Paper Honeycomb Structure</b>  <i>Nurdina Abd Kadir, Yulfian Aminanda, Mohad Sultan Ibrahim Shaikh Dawood, Hanan Mokhtar</i>	<b>Paper ID: 30</b>  <b>Statistical Analysis Study of Tensile Test Data for Open-Cell Aluminium Foam Sandwich</b>  <i>Muataz Hazza F. Al Hazza, Nur Asmawiyah Binti Ibrahim, Erry Y T Adesta, Atiah Bt. Abdullah Sidek</i>	<b>Paper ID: 46</b>  <b>Compressive Behaviour and Energy Absorption of Aluminium Foam Sandwich</b>  <i>Muataz Hazza F. Al Hazza, Amalina Endut, Atiah Bt. Abdullah Sidek, Erry Y. T. Adesta</i>	<b>Paper ID: 73</b>  <b>Effects of Water Vapor on Protectiveness of Cr<sub>2</sub>O<sub>3</sub> Scale at 1073K</b>  <i>Syamsul Kamal Arifin, Abd. Malek Abdul Hamid, Ahmad Nukhaie Berahim, Mohd. Hanafi Ani</i>	<b>Paper ID: 88</b>  <b>Study on Tea Leaves Extract as Green Corrosion Inhibitor of Mild Steel in Hydrochloric Acid Solution</b>  <i>Auni Hamdan, Suryanto Suryanto, Farag Haider</i>
<b>15.45 – 16.00</b> <b>Paper ID: 89</b>  <b>Ginger Extract as Green Corrosion Inhibitor of Mild Steel in Hydrochloric Acid Solution</b>  <i>Azreen Fidrusli, Suryanto Suryanto, Mahmood Mahmood</i>	<b>16.00 – 16.15</b> <b>Paper ID: 102</b>  <b>Resistive Switching of Cu/Cu<sub>2</sub>O Junction Fabricated Using Simple Thermal Oxidation at 423 K for Memristor Application</b>  <i>M. H. Ani, F. Helmi, S. H. Herman, S. Noh, S. A. Bakar</i>			

