

Conference Papers

02/08/2016		Tuesday		
Time		Event		
07.30 am - 11.30 am		Arrival & Registration		
8.00 am - 8.45 am		Keynote Speaker - 4 Prof. Datuk Dr. Mohd Noh Dalimin		
8.45 am - 9.30 am		Keynote Speaker - 5 Prof. Chan Basaruddin		
9.30 am - 10.00 am		Morning Refreshment (30 min.)		
10.00 am - 10.45 am		Keynote Speaker - 6 Prof Bambang Setiaji		
10.45 am - 11.00 am		MOU Signing Ceremony		
11.00 am - 13.00 pm		Session 1	Session 2	Session 3
11.00	11.15	3-428	39-427	43-340
11.15	11.30	47-620	39-381	44-341
11.30	11.45	33-760	33-775	44-811
11.45	12.00	47-770	48-899	44-378
12.00	12.15	3-586	48-726	44-387
12.15	12.30	34-460	37-296	40-735
12.30	12.45	36-468	38-776	39-210
12.45	13.00			39-905
13.00 pm - 14.00 pm		Lunch (1 hour)		
14.00 am - 17.00 pm		Session 4	Session 5	Session 6
14.00	14.15	33-397	3-756	34-769
14.15	14.30	33-933	3-557	35-791
14.30	14.45	33-908	3-439	37-349
14.45	15.00	33-394	3-586	37-425
15.00	15.15	33-456	3-388	39-527
15.15	15.30	33-343	36-611	39-426
15.30	15.45	33-879	36-663	39-5986
15.45	16.00	3-344	36-5949	33-333
16.00	16.15	33-1019	33-717	34-457
16.15	16.30	45-322	33-715	33-104
16.30	16.45	48-555	33-909	50-832
16.45	17.00		33-641	
17.00 pm - 17.15 pm		Tea Break (15 min.)		
17.15		End of sessions		

Conference Papers

03/08/2016	Wednesday			
Time	Event			
07.30 am - 11.30 am	Arrival & Registration			
8.30 am - 10.00 am	Session 7	Session 8	Session 9	Session 10
8.30 - 8.45	33-822	36-352	43-365	49-347
8.45 - 9.00	33-441	36-483	43-364	49-348
9.00 - 9.15	33-629	36-482	43-340	49-864
9.15 - 9.30	42-391	36-393	47-585	49-862
9.30 - 9.45	45-366	33-440	49-346	49-356
9.45 - 10.00	45-894	47-777	34-362	49-610
10.00 am - 10.30 am	Morning Refreshment (30 min.)			
10.30 am - 1.00 pm	Session 11	Session 12	Session 13	Session 14
10.30 - 10.45	3-563	48-861	34-23	35-463
10.45 - 11.00	3-390	33-904	34-806	35-461
11.00 - 11.15	3-367	33-443	35-6013	35-462
11.15 - 11.30	3-706	33-766	34-774	36-465
11.30 - 11.45	3-373	33-711	34-895	36-459
11.45 - 12.00	32-878	33-404	34-350	36-778
12.00 - 12.15	32-731	33-419	36-466	36-417
12.15 - 12.30	32-730	36-5948	36-467	36-458
12.30 - 12.45	32-401	36-5947	49-1042	42-745
12.45 - 13.00	32-372	36-758	48-833	42-327
13.00 pm - 14.00 pm	Lunch (1 hour)			
14.00 pm - 15.30 pm	Session 15	Session 16	Session 17	Session 18
14.00 - 14.15	37-313	39-1060	39-712	39-632
14.15 - 14.30	39-754	39-1059	39-702	39-609
14.30 - 14.45	39-733	39-979	39-687	39-562
14.45 - 15.00	39-385	41-807	45-885	46-837
15.00 - 15.15	49-901	48-820	46-671	46-763
15.15 - 15.30	49-902	48-637	48-866	46-323
15.30 - 15.45	49-727	39-865	40-875	40-924
15.45 - 16.00	44-698	39-897	40-903	40-395
16.00 - 16.15	50-877	50-601	39-5992	35-6035
16.15 pm - 16.30 pm	Tea Break (15 min.)			
15.45 - 18.00	Jogjakarta Tour			
18.00	End of ICME2016			

Conference Papers

2 AUGUST 2016 – Room 1

11.00 AM – 13.00 PM

Parallel Session 1

Session Chair: Erween Abd Rahim

Co-chair : Muhamad Fazli Othaman

Time	ID	Title
11.00 -11.15	3-428	TRIBOLOGICAL EVALUATION ON VEGETABLE OILS BASED TRIMETHYLOLPROPANE (TMP) ESTER AS SUSTAINABLE METALWORKING FLUIDS IN MACHINING APPLICATIONS <i>(Erween Abd Rahim, Amiril Sahab Abdul Sani, Zazuli Mohid, Syahrullail Samion)</i>
11.15 -11.30	47-620 31-6051	INVESTIGATION OF 1-DIMENSIONAL ULTRASONIC VIBRATION COMPLIANCE MECHANISM BASED ON FEA ANALYSIS <i>(Abdul Afiff Fiqhry Bin Abdul Latif, Rasidi Bin Ibrahim, Erween bin Abd Rahim, Kai Cheng)</i>
11.30 -11.45	33-760	A SHORT REVIEW ON BIOMASS THERMO-CHEMICAL CONVERSION: RECENT ADVANCES <i>(Muhamad Fazli Othaman, Sulastri Sabudin, Mohd Faizal Mohideen Batcha)</i>
11.45 -12.00	47-770 31-6050	DESIGN SELECTION OF AN INNOVATIVE TOOL HOLDER FOR ULTRASONIC VIBRATION ASSISTED TURNING (IN-UVAT) USING FINITE ELEMENT ANALYSIS SIMULATION <i>(Haris Rachmat, M. Rasidi Ibrahim, Sulaiman bin Hasan)</i>
12.00 -12.15	3-586	THE EFFECT OF ETHANOL ADDITION ON THE PERFORMANCE AND EXHAUST EMISSIONS IN A GASOLINE SPARK IGNITION ENGINE <i>(Mega nur Sasongko, Widya Wijayanti)</i>
12.15 -12.30	34-460	RISK PREDICTION MODEL: STATISTICAL AND ARTIFICIAL NEURAL NETWORK APPROACH <i>(Nuur Azreen Paiman, Azian Hariri, Ibrahim Masood)</i>
12.30 -12.45	36-468	ELECTROLESS AND IMMERSION PLATING PROCESS TOWARDS STRUCTURES AND IMC FORMATION <i>(M. A. Rabiatal Adawiyah, O. Saliza Azlina, Nor Akmal Fadil, I. Siti Rabiatal Aisha, M.A. Azmah Hanim)</i>

2 AUG 2016 – Room 2

11.00 AM – 13.00 PM

Parallel Session 2

Session Chair: Tatang Mulyano

Co- Chair: A. A. Razali

Time	ID	Title
11.00 -11.15	39-427	STUDY ON PULSE DURATION OF SUPERCRITICAL CARBON DIOXIDE COOLANT DELIVERY ON MACHINING PERFORMANCE OF AISI 1045 <i>(Erween Abd Rahim, Amiril Sahab Abdul Sani, Zazuli Mohid, Shamy Nazrein Md Yahaya, Mohd Rasidi Ibrahim and Mohd Fitri Mohd Shukuran)</i>
11.15 -11.30	39-381	A STUDY ON THE EFFECT OF VARIOUS AIR FLOW CHANNELS ON THE EFFICIENCY OF MOUTHGUARD DESIGN <i>(Erween Abd Rahim, Zamani Ngali, Md Saidin Wahab, Amiril Sahab Abdul Sani, Syazwan Asyraf Saiful Anuar, Shamy Nazrein Md Yahaya, Zazuli Mohid)</i>
11.30 -11.45	33-775	NNARX MODEL STRUCTURE FOR THE PURPOSES OF CONTROLLER DESIGN AND OPTIMIZATION OF HEAT EXCHANGER PROCESS CONTROL TRAINING SYSTEM OPERATION <i>(Tatang Mulyana)</i>
11.45 -12.00	48-899	STUDIES ON MODIFICATION OF ZNO SOL-GEL SPIN COATED ON FLEXIBLE SUBSTRATE AT LOW TEMPERATURE: EFFECT OF TIME EXPOSURE <i>(Ili Liyana Khairunnisa Kamardin, Ainun Rahmahwati Ainuddin)</i>
12.00 -12.15	48-726	THE BENEFICIAL EFFECT OF SLIP ON THE HYDRODYNAMIC LUBRICATION IN THE LUBRICATED SLIDING CONTACT <i>(Susilowati, M. Tauviqirrahman, J. Jamari, A.P. Bayuseno)</i>
12.15 -12.30	37-296	CRUSHING PERFORMANCES OF WINDING SQUARE KENAF FIBER REINFORCED COMPOSITES <i>(A.E Ismail)</i>
12.30 -12.45	38-776 31-6053	DESIGN AND DEVELOPMENT OF AUTOMATIC SHARIA COMPLIANT WHEELCHAIR WHEELS CLEANER <i>(Muhammad Farid Shaari, Ibrahim Ismail, Mohd Zamir Zakwan Mohamad Rasli, Wan Akashah Wan Jamaludin, Harris Mubashir Mohamad Isa, Azrin Hani Abdul Rashid)</i>

Conference Papers

2 AUGUST 2016 – Room 3 11.00 AM – 13.00 PM		
Parallel Session 3 Session Chair: Arjon Turnip Co-chair : Iswanto		
Time	ID	Title
11.00-11.15	43-340	ANTAGONISTIC MONO- AND BI-ARTICULAR LOWER-LIMB MUSCLE ACTIVITIES' MODEL CHARACTERIZATION AT DIFFERENT SPEEDS (Mohd Azuwan Mat Dzhahir, Nur Safwati Mohd Nor, Aizreena Azaman, Mohamed Hussein, Mohd Azwarie Mat Dzhahir)
11.15- 11.30	44-341	PNEUMATIC MUSCLES ACTUATED LOWER-LIMB ORTHOSIS MODEL VERIFICATION WITH ACTUAL HUMAN MUSCLE ACTIVATION PATTERNS (Mohd Azuwan Mat Dzhahir, Nur Safwati Mohd Nor, Aizreena Azaman, Mohamed Hussein, Mohd Azwarie Mat Dzhahir)
11.30-11.45	44-811	ARTIFACTS REMOVAL OF EEG SIGNALS WITH WAVELET DENOISING (Arjon Turnip, Jasman Pardede)
11.45-12.00	44-378	A COMPARISON OF MUSCULAR ACTIVITY AMONG EUROPEAN, KOREA AND MALYSIAN DURING SEATING USING MUSCULOSKELETAL COMPUTATIONAL ANALYSIS METHOD (Noor.N.S.M, Ghazalli.Z, Mamat.R, Kadirgama.K, Sani.M.S.M, Ahmad.Z, Johari.N.H)
12.00- 12.15	44-387	CORRELATION OF LOADED AND UNLOADED FOOT AREA WITH ARCH INDEX IN YOUNGER FLATFOOT (Dwi Basuki Wibowo, Gunawan Dwi Haryadi, Achmad Widodo, Sri Puji Rahayu)
12.15-12.30	40-735	PATH PLANNING OF DECENTRALIZED MULTI-QUADROTOR BASED ON FUZZY-CELL DECOMPOSITION ALGORITHM (Iswanto, Oyas Wahyunggoro, Adha Imam Cahyadi)
12.30-12.45	39-210	FLOW CHARACTERISTICS OF 3-D TURNING DIFFUSER USING PARTICLE IMAGE VELOCIMETRY (Normayati Nordin, Zainal Ambri Abdul Karim, Safiah Othman, Vijay R. Raghavan, Mohd Faizal Mohideen Batcha, Azian Hariri, Siti Mariam Basharie)
12.45-13.00	39-905	WALL SHEAR STRESS DISTRIBUTIONS ON STENTED PATENT DUCTUS ARTERIOSUS (Mohamad Ikhwan Kori, Fara Lyana Jamalruhanordin, Ishkriat Taib, Akmal Nizam Mohammed, Mohammad Kamil Abdullah, Ahmad Mubarak Tajul Ariffin, Kahar Osman)

2 AUGUST 2016 – Room 1 14.00 PM – 17.00 PM		
Parallel Session 4 Session Chair: : Siska Prifiharni Co-chair: Hasyim Asy'ari		
Time	ID	Title
14.00 -14.15	33-397	THE HARDNESS AND MICROSTRUCTURE OF THE MODIFIED 13CR STEAM TURBINE BLADE STEEL IN TEMPERED CONDITIONS (Siska Prifiharni, Hadi Perdana, Toni B Romijarso, Bintang Adjiantoro, Andinnie Juniarsih, Efendi Mabruri)
14.15 - 14.30	33-933	A STUDY OF GENERATOR PERFORMANCE WITH LINEAR PERMANENT MAGNET IN VARIOUS COIL CONFIGURATION AND ROTOR-STATOR GEOMETRY (Hasyim Asy'ari, Sarjito, Septian Heri Prasetyo)
14.30 - 14.45	33-908	THE SYSTEM DESIGN AND PERFORMANCE TEST OF HYBRID VERTICAL AXIS WIND TURBINE (Bambang Arip Dwiyantoro, Vivien Suphandani)
14.45 - 15.00	33-394	PERFORMANCE ANALYSIS OF ELECTRONICS COOLING USING NANOFUIDS IN MICROCHANNEL HEAT SINK (Siti Natasha Malik Fesal, Siti Syazwani Ilmin, Zuraini Gani)
15.00 - 15.15	33-456	EXPERIMENTAL INVESTIGATIONS OF BUTANOL GASOLINE BLENDS EFFECTS ON THE MASS FRACTION BURNED IN A SPARK IGNITION ENGINE (I. M. Yusri, Shahrul Azmir Osman, R. Mamat, Omar .I Awad and S. M. Rosdi)
15.15 - 15.30	33-343	INFLUENCE OF SINTERING TEMPERATURES ON PHYSICO-MECHANICAL PROPERTIES AND MICROSTRUCTURE OF REFRACTORY FIRECLAY BRICKS (Job Ajala Amkpa1, Nur Azam Badarulzaman2, Abu Bakar Aramjat3)
15.30 - 15.45	33-879	BEHAVIOUR OF CO2 ABSORPTION INTO VARIOUS METAL POWDER USING MECHANICAL DRY GRINDING (Nik Hisyamudin Muhd Nor, Muhammad Hanif Abd Rashid, Siti Norhana Selamat, Fariza Mohamad, Al Emran Ismail, Abd Khalil Abd Rahim, Mohd. Zamzuri Mohammad Zain, Yokoyama Seiji)
15.45 - 16.00	3-344	BATTERY MANAGEMENT SYSTEMS(BMS) OPTIMIZATION FOR ELECTRIC VEHICLE (EVS) IN MALAYSIA (Puteh Melor Wesma Bt. Salehen (Melor))
16.00 - 16.15	33-1019	BATTERY MANAGEMENT SYSTEMS (BMS) OPTIMIZATION FOR ELECTRIC VEHICLES (EVS) IN MALAYSIA (P. M.W. Salehen, M.S. Su'ait, H. Razali, K. Sopian)
16.15 - 16.30	45-322	NUMERICAL SIMULATION OF HYBRID COMPOSITE TUBES UNDER OBLIQUE COMPRESSION (Al Emran Ismail)
16.30 - 16.45	48-555	THE IMPROVEMENT OF SURFACE ROUGHNESS BY POLISHING METHOD OF ARCYLIC DOOR PANEL OF TAISHI TECH SDN BHD (Ismail bin Hj.Moh.Nawi, Hammadi bin Mohd Basirin)

Conference Papers

2 AUG 2016 – Room 2

14.00 PM – 17.00 PM

Parallel Session 5

Session Chair: Binyamin

Co- Chair: A. Widodo

Time	ID	Title
14.00 -14.15	3-756	DESIGN OF OUTER HOOD PANEL OF LOCAL COMPACT SUV TO ACHIEVE BETTER PEDESTRIAN SAFETY USING FINITE ELEMENT MODELING (Binyamin, Tri Widodo Besar Riyadi, Agus Dwi Anggono)
14.15 -14.30	3-557	FAULT DETECTION OF GEARBOX USING TIME-FREQUENCY METHOD (A. Widodo, Dj. Satrijo, T. Prahasto and I. Haryanto)
14.30 -14.45	3-439	DESIGN AND SIMULATION OF AUTO-SHIFTING SYSTEM IN MANUAL TRANSMISSION GEARBOX FOR ELECTRIC RACE CAR WITH FUZZY LOGIC CONTROLLER ON MATLAB-SIMULINK (Rizky Muhamad Ramadhan, Andi Sudiarmo, Muslim Mahardika)
14.45 - 15.00	3-586	THE EFFECT OF ETHANOL ADDITION ON THE PERFORMANCE AND EXHAUST EMISSIONS IN A GASOLINE SPARK IGNITION ENGINE (Mega nur Sasongko, Widya Wijayanti)
15.00 – 15.15	3-388	TRIBOLOGICAL BEHAVIOUR OF SHORT ARAMID FIBRE REINFORCED S-SBR ELASTOMERS: THE EFFECT OF FIBRE ORIENTATION (M. Khafidh, M.A. Masen, D.J. Schipper, N. Vleugels, J.W.M. Noordermeer)
15.15 – 15.30	36-611	THE EFFECTS OF PACK CARBURIZING USING CHARCOAL OF UNUSED MAHOGANY ON FATIGUE CHARACTERISTIC OF V-NOTCH SHAFT STEEL SPECIMENS (Supriyono, Jamasri)
15.30 – 15.45	36-663	THE VON MISES STRESS DISTRIBUTION ON THE SURFACE OF UHMWPE WITH TEXTURE-SHAPED VARIATION IN THE PRESENCE OF NORMAL LOAD AND DRY SLIDING CONTACT (W. D. Lestari, J. Jamari, A. P. Bayuseno)
15.45 – 16.00	36-5949	DEVELOPMENT OF VEHICLE MODEL TEST-BENDING OF A SIMPLE STRUCTURAL SURFACES MODEL FOR AUTOMOTIVE VEHICLE SEDAN (M. K. Mohd Nor, A. Noordin, M. F. S. Ruzali, M. H. Hussien, N. Mustapa@Othman)
16.00 – 16.15	33-717	EFFECT OF THREAD ANGLE ON FLAME SPREAD BEHAVIOUR OVER COMBINED FABRIC OF KENAF/POLYESTER (Azwan bin Sapit, Mohd. Azahari bin Razali, Akmal Nizam Bin Mohammed, Mohd Faisal Bin Hushim, Hamidon Bin Salleh, and Hazahir Bin Peraman)
16.15 – 16.30	33-715	EFFECT OF SYNTHETIC MATERIAL ON ANGLE DEPENDENCY OF FLAME SPREAD BEHAVIOR OVER COMBINED FABRIC (B. R. Mohd Azahari, M. Suzuki, W. Masuda, B. S. Hamidon, B. S. Azwan, B. M. Akmal Nizam, B. H. Mohd Faisal, and B. K. Amir)
16.30 – 16.45	33-909	HEAT TRANSFER CHARACTERISTICS OF SILICON NANOFLUIDS OVER A STAGNATION-POINT FLOW TOWARDS A SHRINKING POROUS SURFACE (Norasikin Mat Isa, Ashwin Kumar Erode Natarajan)
16.45 – 17.00	33-641	WIRE-CUT EDM OF SISIC- A PRELIMINARY INVESTIGATION IN MACHINING PARAMETER (Mohammad Zulaff Rahim, Mohd Sallehuddin Yusof, Erween Abd Rahim, Rasidi Ibrahim, Zazuli Mohid)

2 AUGUST 2016 – Room 3

14.00 PM – 17.00 PM

Parallel Session 6

Session Chair: Mior Uzair Mior Hassan

Co-chair : Nur Aklis

Time	ID	Title
14.00-14.15	34-769	MANAGEMENT AND MONITORING OF RFID-BASED CUTTING TOOL INFORMATION FOR INTEGRATED MANUFACTURING (Mior Uzair Mior Hassan, Aini Zuhra Abdul Kadir)
14.15-14.30	35-791	AN OPTIMIZATION OF FLAP AND SLAT ANGLE AIRFOIL NACA 2410 USING CFD (Tri Hartanto, Sarjito, Nur Aklis)
14.30-14.45	37-349	THE INFLUENCE OF LINEAR KINEMATIC HARDENING AND NON-LINEAR COMBINED ISOTROPIC-KINEMATIC HARDENING PLASTICITY MODEL ON SLIDING CONTACT (M.Nagentrau, W.A.Siswanto and A.L.Mohd Tobii)
14.45-15.00	37-425	NUMERICAL SIMULATION OF SHPB TO MEASURE THE MECHANICAL PROPERTIES OF ALUMINIUM FOAM MATERIAL AT HIGH STRAIN RATE BY USING MAT 163 MODIFIED CRUSHABLE FOAM (Afdhal, Annisa Jusuf, Leonardo Gunawan, Sigit P. Santosa, Tatacipta Dirgantara, Ichsan S. Putra)
15.00-15.15	39-527	ANALYSIS OF HYDRODYNAMIC FORCE ACTING ON COMMERCIALIZED ROWING BLADES USING COMPUTATIONAL FLUID DYNAMICS (A. M.Y. Aziz, M. N. Harun, A. H. Omar, Ardiyansyah Syahrom)
15.15-15.30	39-426	THE APPLICATION OF DIGITAL IMAGE PROCESSING TO STUDY SLUG FLOW CHARACTERISTICS IN A HORIZONTAL PIPE (Arif Widayatama, Okto Dinaryanto, Indarto, Deendarlianto)
15.30-15.45	39-5986	THE SYSTEM DESIGN AND PERFORMANCE TEST OF HYBRID VERTICAL AXIS WIND TURBINE (Bambang Arip Dwiyantoro, Vivien Suphandani)
15.45-16.00	33-333	A SURVEY ON THE USE OF RAM AIR TURBINE IN AIRCRAFT (Magedi Moh. M. Saad, Mohd Fadhli Bin Zulkafli, Sofian Bin Mohd, Djamal Hisein Didane)
16.00-16.15	34-457	TOENAIL METAL CONCENTRATION AS BIOMARKER OF HEAVY METAL EXPOSURE AMONG WELDERS (Azian Hariri, Noraishah Mohamad Noor, Nuur Azreen Paiman)
16.15-16.30	33-104	ASSESSMENT OF WIND ENERGY POTENTIAL IN THE CAPITAL CITY OF CHAD, N'DJAMENA (Djamal Hisein Didane, Abas Ab Wahab, Syariful Syafiq Shamsudin, Nurhayati Rosly, Mohd Fadhli Zulkafli, Sofian Mohd)
16.30-16.45	50-832 31-6043	A COMPARATIVE STUDY ON THE MOTION OF VARIOUS OBJECTS INSIDE AN AIR TUNNEL (Wanis Mustafa Edukali Shibani, Mohd Fadhli Zulkafli, Bambang Basuno)

Conference Papers

3 AUGUST 2016 – Room 1 08.30 AM – 10.00 AM		
Parallel Session 7 Session Chair: Mohd Sukri Mustapha Co-chair : E.I. Bhiptime		
Time	ID	Title
8.30 – 8.45	33-822	ONE DIMENSIONAL MODELING OF A DIESEL-CNG DUAL FUEL ENGINE <i>(Putera Adam Azman, Mas Fawzi, Muammar Mukhsin Ismail, Shahrul Azmir Osman)</i>
8.45-9.00	33-441	NUMERICAL SOLUTION OF BURGER'S EQUATION BASED ON LAX-FRIEDRICHS AND LAX-WENDROFF SCHEMES <i>(Bukhari Manshoor, Amir Khalid, Azwan Sapit, Izzuddin Zaman, Akmal Nizam)</i>
9.00- 9.15	33-629	FLOW VISUALIZATION OF BUBBLE STRUCTURE IN BUBBLE COLUMN REACTOR FOR FLUID MIXING <i>(Nur Afizah Ibrahim, Amir Khalid, Izzuddin Zaman, Azwan Sapit, Bukhari Manshoor)</i>
9.15 – 9.30	42-391	THE MORPHOLOGY AND FLEXURAL STRESS OF SURFACE TREATED AND UNTREATED KENAF FIBER REINFORCED POLYPROPYLENE COMPOSITES <i>(Muhammad Muslimin Husin, Mohd Sukri Mustapa, Md Saidin Wahab, Mohd Yussni Hashim, Farhana Hazwanee Mohd Jais)</i>
9.30 – 9.45	45-366	INFLUENCE WT.% OF SIC AND BORAX ON THE MECHANICAL PROPERTIES OF AL7SIMGTB COMPOSITE BY THE METHOD OF SEMI SOLID STIR CASTING <i>(E.I. Bhiptime , Natalino F.D.S Guterres)</i>
9.45 – 10.00	45-894	NUMERICAL TENSION ADJUSTMENT OF X-RAY MEMBRANE TO REPRESENT GOAT SKIN KOMPANG <i>(Waluyo Adi Siswanto, Muhammad Syiddiq Bin Abdullah)</i>

3 AUGUST 2016 – Room 2 8.30 AM – 10.00 AM		
Parallel Session 8 Session Chair: Bahrudin Co- Chair: Mohd Arif Samsi		
Time	ID	Title
8.30 – 8.45	36-352	INTEGRITY EVALUATION OF MICRO-/NANOBUBBLE PUMP IMPELLER USING FLUID-STRUCTURE COUPLED SIMULATION <i>(Hilman Syaeful Alam, Bahrudin)</i>
8.45 – 9.00	36-483	THE EFFECT OF AGING ON PHYSICAL CHARACTERISTICS OF RECYCLED AA6061 ALUMINUM CHIPS <i>(Mohd Arif Samsi, Mohammad Sukri Mustapa, Nur Azam Badarulzaman, Muhammad Irfan Abd Kadir, Ahmed Sahib Mahdi)</i>
9.00 – 9.15	36-482	MICROSTRUCTURAL AND PHYSICAL CHARACTERISTICS OF RECYCLING ALUMINIUM CHIPS AA6061/AL POWDER USING POWDER METALLURGY <i>(Muhammad Irfan Ab Kadir, Mohammad Sukri Mustapa, Waluyo Adi Siswanto, Ahmed Sahib Mahdi, Mohd Arif Samsi)</i>
9.15 – 9.30	36-393	THICKNESS OPTIMIZATION OF PRESSURE VESSEL FOR MINIMUM WEIGHT USING FINITE ELEMENT METHOD (FEM) <i>(Heru Susiawan Widiharso, Mohammad Tauviqirrahman, Muchammad, J. Jamari)</i>
9.30 – 9.45	33-440	HEAT TREATMENT FOR AN RECYCLING ALUMINUM AA6061 USING MILLING PROCESS AT VARIOUS HOLDING AGING TIME <i>(Ahmed Sahib Mahdi , Mohd Sukri Mustapa , Noradila Abdul Latif , Muhammad Irfan Ab Kadir, Mohd Arif Samsi)</i>
9.45 – 10.00	47-777 31-6049	DESIGN AND DEVELOPMENT OF VACUUM CLAMP SYSTEM FOR MINI PC BASED CNC MILLING <i>(Herianto)</i>

3 AUGUST 2016 – Room 3 08.30 AM – 10.00 AM		
Parallel Session 9 Session Chair: Nanthini Kanasan Co-chair : Nor Azimah Mustaffa		
Time	ID	Title
8.30-8.45	43-365	THE EFFECTS OF SINTERING TEMPERATURE ON DENSIFICATION AND MECHANICAL PROPERTIES OF HYDROXYAPATITE/SODIUM ALGINATE BIOCOMPOSITES <i>(Nanthini Kanasan, Sharifah Adzila, Nor Azimah Mustaffa, Sabriy Mad Sidi, Mohd. NasrullAbdol Rahman, N. F., Nasir, Gurubaran, P.)</i>
8.45-9.00	43-364	POWDER CHARACTERIZATION OF CALCIUM PHOSPHATE/COLLAGEN FOR BONE IMPLANT APPLICATION <i>(Nor Azimah Mustaffa, Sharifah Adzila, Nanthini Kanasan, Normayati Nordin)</i>
9.00-9.15	43-340	ANTAGONISTIC MONO- AND BI-ARTICULAR LOWER-LIMB MUSCLE ACTIVITIES' MODEL CHARACTERIZATION AT DIFFERENT SPEEDS <i>(Mohd Azuwan Mat Dzahir, Nur Safwati Mohd Nor, Aizreena Azaman, Mohamed Hussein, Mohd Azwarie Mat Dzahir)</i>
9.15-9.30	47-585 31-6052	EFFECT OF CLEARANCE ON THE CUTTING SURFACE QUALITY RESULTS OF A BRASS PUNCH ON THE MICROPUNCH CNC MACHINE <i>(Ichsan Ristiawan, Muslim Mahardika)</i>
9.30-9.45	49-346	DYNAMIC WEIGHTED IDLE TIME HEURISTIC FOR FLOWSHOP SCHEDULING <i>(Amira Syuhada Zainudin, Salleh Ahmad Bareduan, Noor Amira Isa)</i>
9.45-10.00	34-362	GREEN MANUFACTURING PRACTICES (GMP) FRAMEWORK FOR LOCAL SMES IN JOHOR, MALAYSIA: A REVIEW ON ENABLERS AND BARRIERS <i>(Nur Syuhada Binti Zakaria)</i>

Conference Papers

3 AUGUST 2016 – Room 4

08.30 AM – 10.00 AM

Parallel Session 10

Session Chair: Noor Amira Isa

Co-chair : Denny Sukma Eka Atmaja

Time	ID	Title
8.30 – 8.45	49-347	BOTTLENECK-BASED HEURISTIC FOR PERMUTATION FLOWSHOP SCHEDULING <i>(Noor Amira Isa, Salleh Ahmad Bareduan, Amira Syuhada Zainudin)</i>
8.45-9.00	49-348	SURFACE MODIFICATION OF ALUMINIUM ALLOY WITH SUPER HYDROPHOBIC CHARACTERISTICS USING IMMERSION AND SPRAY-COATING METHOD <i>(Yau Kar Hing, Wong Voon Loong, Preeshath Rao, Thoo Kok Keong, Chin Wai Meng)</i>
9.00- 9.15	49-864	DESIGN OF EXPERIMENTS APPLICATION USING TAGUCHI APPROACH TO IDENTIFY WOVEN FABRICS DEFECTS BY IMAGE PROCESSING AT CV. MAEMUNAH MAJALAYA <i>(Denny Sukma Eka Atmaja, Ditha Yusufiana Maryani, Haris Rachmat, Mohd Rasidi Bin Ibrahim)</i>
9.15 – 9.30	49-862	SWARM SIZE AND INERTIA WEIGHT EFFECTS TO THE PERFORMANCE OF PSO ALGORITHM IN RFID TAG COVERAGE OPTIMIZATION <i>(Prathabrao Muniandy, Azli Nawawi, Noor Azizah Sidek)</i>
9.30 – 9.45	49-356	CONTROLLING OF CALCIUM CARBONATE SCALE DEPOSITION ON THE PIPING SYSTEM WITH LAMINAR FLOW AND IN THE PRESENCE OF CITRIC ACIDS <i>(S. Raharjo, S. Muryanto, J. Jamari, A.P. Bayuseno)</i>
9.45 – 10.00	49-610	CAPACITY EVALUATION STRATEGIES UNDER DYNAMIC LINEAR PRICING <i>(Ping-Yu Chang)</i>

3 AUGUST 2016 – Room 1

10.30 AM – 13.00 PM

Parallel Session 11

Session Chair: Norasikin Mat Isa

Co- Chair: M.Yarwindran

Time	ID	Title
10.30 – 10.45	3-563	EFFECTS OF AMBIENT TEMPERATURE AND INJECTION PRESSURE ON BIODIESEL IGNITION DELAY <i>(Norrizam Jaat, Azwan Sapit, Amir Khalid, Mariam Basharie, Azahari Razali, Adiba Rhaodah Andsaler)</i>
10.45 – 11.00	3-390	ELECTROCHEMICAL BEHAVIOUR OF Ti-6AL-4V AND SUS 316L PLATES WITH POTENTIAL APPLICATION AS A BIPOLAR PLATE AT CATHODE AND ANODE CONDITION IN PROTON EXCHANGE MEMBRANE FUEL CELL (PEMFC) <i>(Nur Fawwaz Asri, T. Husaini, Abu Bakar Sulong, Edy Herianto Majlan, Wan Ramli Wan Daud)</i>
11.00 – 11.15	3-367	EFFECT OF REINFORCEMENT MATERIALS ON THE FLEXURAL STRENGTH AND STRAIN ENERGY OF COMPOSITE LAMINATES UNDER BENDING TESTS <i>(W. N. M. Jamil, Z. Sajuri, M. A. Aripin, S. Abdullah, M. Z. Omar, M.F. Abdullah and W. F. H. Zamri)</i>
11.15 – 11.30	3-706	EFFECT OF ENGINE SPEED ON THE PERFORMANCE OF AUTOMOTIVE AIR CONDITIONING SYSTEM USING R134A AND R152A AS REFRIGERANTS <i>(V. Serevina, A.A. Azhar, T. Sutandi, K. Sumeru)</i>
11.30 – 11.45	3-373	INVESTIGATION OF LOW-VELOCITY IMPACT AND FLEXURAL LOADING ON AR500 STEEL /AA7075 ALUMINIUM ALLOY BRAZING JOINT <i>(M.N. Muhamed, M.Z. Omar, S. Abdullah, Z. Sajuri, W.F.H.W. Zamri)</i>
11.45 – 12.00	32-878	PRINTING AND CURING SILVER CONDUCTIVE INK TRACKS FROM MODIFIED ON-SHELF INKJET PRINTER ON FABRIC <i>(Daniel Asyraf Zakaria, Munirah Mokhdir)</i>
12.00 – 12.15	32-731 31-6048	OPTIMAL SELECTION OF PROSES PARAMETERS IN CNC ROLLAND MODELLA OF INSOLE SHOE ORTHOTIC USING TAGUCHI - FUZZY APPROACH <i>(B. Bawono1,2*, P.W. Anggoro1,2, A.A.Anthony1, J. Jamari2, A.P. Bayuseno2)</i>
12.15 – 12.30	32-730	PARAMETER OPTIMIZATION OF STRATEGIES AT CNC END MILLING MACHINE ROLAND MODELA MDX - 40R CAM AGAINST SURFACE ROUGHNESS MADE INSOLES SHOE ORTHOTIC EVA RUBBER FOAM <i>(P.W. Anggoro1,2*, B. Bawono1,2, Andreyas.W1, J. Jamari2, A.P. Bayuseno2)</i>
12.30 – 12.45	32-401 31-6047	THE FEASIBILITY STUDY ON FABRICATION CUSTOMIZED ORTHOTIC INSOLE USING FUSED DEPOSITION MODELLING (FDM) <i>(M. Ibrahim, M.Yarwindran, P. Raveverma)</i>
12.45 – 13.00	32-372	PROCESS PARAMETERS EVALUATION FOR DIRECT INVESTMENT CASTING <i>(O.M. F Marwah, S. Sharif, M. S. Shukri, E. J. Mohamad)</i>

Conference Papers

3 AUGUST 2016 – Room 2

10.30 AM – 13.00 PM

Parallel Session 12

Session Chair: Ainun Rahmahwati

Co-chair : Efendi Mabruuri

Time	ID	Title
10.30-10.45	48-861	EFFECT OF ANODIZING VOLTAGE AND ANNEALING TEMPERATURE ON THE GROWTH OF TITANIUM DIOXIDE NANOTUBE (Ainun Rahmahwati Ainuddin, Mohammad Syazwan Sulaiman)
10.45-11.00	33-904	EFFECT OF TEMPERING TEMPERATURE ON HARDNESS AND IMPACT RESISTANCE OF THE 410-1MO MARTENSITIC STAINLESS STEELS FOR STEAM TURBINE BLADES (Efendi Mabruuri, Zefri Ahmad Syahlan, Sahlan, Moch. Syaiful Anwar, Toni B. Romijarso, Bintang Adjiantoro)
11.00-11.15	33-443	A STUDY OF RECIRCULATION SYSTEM FROM WATER LOSS IN KITCHEN HOOD: GREASE EMISSION FILTRATION EFFICIENCY USING STRAINER (A. Syakir M. Jamil, Norzelawati Asmuin, M.Farid Sies, N.A. Norsalim, Fakhrolrazi Hanis Zakaria, Rasidi Pairan)
11.15-11.30	33-766	DETERMINATION OF PHYSIOCHEMICAL PROPERTIES OF PALM OIL METHYL ESTER CATALYSED BY WASTED COCKLE SHELLS (ANADARA GRANOSA) (N. F., Nasir, N., Abdul Latif, S. A., Syed Abu Bakar, S. N., Selamat, N. N., Nasharudin)
11.30-11.45	33-711	EVALUATION OF SUBCOOLING WITH LIQUID-SUCTION HEAT EXCHANGER ON THE PERFORMANCES OF AIR CONDITIONING USING R22, R410A, R290 AND R32 AS REFRIGERANTS (Rachmad Imbang Tritjahjono, Azhar bin Abdul Aziz, Cecep Sunardi, Kasni Sumeru)
11.45-12.00	33-404	GAS CHROMATOGRAPHY ANALYSIS OF A C1-C5 HYDROCARBON COLUMN (Rais Hanizam Madon, Zulhelmy Zinil Abeden, Muhamad Khairul Ilman Sarwani, Ahmad Jais Alimin, Mas Fawzi)
12.00-12.15	33-419	ENERGY CONSUMPTION IN RESIDENTIAL BUILDING: THE EFFECT OF APPLIANCES AND HUMAN BEHAVIOUR (K.A Rahman, Azian Hariri, A.M Leman, M.Z.M Yusof and M.N.M Najib)
12.15-12.30	36-5948	TORSION VEHICLE MODEL TEST FOR AUTOMOTIVE VEHICLE SEDAN (M. K. Mohd Nor, A. Noordin, M. F. S. Ruzali, M. H. Hussien, N. Mustapa@Othman)
12.30-12.45	36-5947	COLLAPSE MECHANISM ANALYSIS OF A SUPERSTRUCTURE VEHICLE (M. K. Mohd Nor, A. Noordin, M. F. S. Ruzali, M. H. Hussien, N. Mustapa@Othman)
12.45-13.00	36-758	COMPARATIVE PERFORMANCE STUDY OF SMART STRUCTURE FOR THERMAL MICROACTUATORS (Zulkarnain Yahya, Muhammad Akmal Johar)

3 AUGUST 2016 – Room 3

10.30 AM – 13.00 PM

Parallel Session 13

Session Chair: P. Raveverma

Co-chair : N. A. Nor Salim

Time	ID	Title
10.30 -10.45	34-23	DETERMINE PHYSICAL PROPERTIES OF AN ORGANIC CITRIC ACID (PROCESSED LIME JUICE) DISSOLVE WITH WATER USING EXPERIMENTAL APPARATUS (M.Farid Sies #1, Norzelawati Asmuin #2, Fakhrolrazi #3, N.A. Norsalim#3, Hanis Zakaria#4, Rasidi Pairan#5, Azmahani Sadikin#6)
10.45 – 11.00	34-806	DEVELOPMENT OF PEAT WATER TREATMENT BASED AOPRO WITH TUNING PID CONTROLLER (Sutrisno S. Hutaqalung, Imamul Muchlis, Hanif Fakruroja, Arjan Turnip)
11.00 – 11.15*	35-6013	FAULT DETECTION OF GEARBOX USING TIME-FREQUENCY METHOD (A. Widodo, Dj. Satrijo, T. Prahasto, I. Haryanto)
11.15 – 11.30	34-774	A STUDY OF WATER-MIST RECIRCULATION SYSTEM FROM SCALE KITCHEN HOOD VENTILATION (N. A. NOR SALIM, Norzelawati Asmuin, M. A. Ahnaf Muslim, M. Farid Sies, A. Syakir M. Jamil, M. R. Pairan)
11.30 – 11.45	34-895	DUST MONITORING EXPOSURE: ABRASIVE BLASTING PROCESS (Hanis Zakaria, Norzelawati Asmuin, Muhamad Nurmizan bin Ahmad, Norhalim Hassan, Mohamad Farid Sies)
11.45 – 12.00	34-350	PREVENTIVE MAINTENANCE ANALYSIS OF GOSS UNIVERSAL PRINTING MACHINE BASED ON RELIABILITY DATA (Judi Alhilman, Ade Rizka Eliyuss, Okky Fajar Safitri)
12.00 – 12.15	36-466	MECHANICAL BEHAVIOR STUDY ON SBR/EVA COMPOSITE FOR FDM FEEDSTOCK FABRICATION (M. Ibrahim, P. Raveverma, N. Sa'ude, M.Yarwindran, M.Nasharuddin)
12.15 – 12.30	36-467	CHARACTERIZATION OF WASTE PLASTIC BAG AS A NOVEL BINDER SYSTEM AND HOMOGENEITY TEST FOR STAINLESS STEEL 316L METAL INJECTION MOLDING (Mohd Halim Irwan Bin Ibrahim, NUR HAFIZAH BINTI KAMARUDIN)
12.30-12.45	49-1042 31-6046	THE EFFECT OF SMALL MECHANISM IN THE PRODUCTION OF KUIH SEMPERIT AND JEJARI BADAM USING ROLL STAMPING MECHANISM FOR SMALL AND MEDIUM ENTREPRENEURS (SMES) (Mohamad Nor Bin Karim, Mohd Sallehuddin Bin Yusof, Khairul Anwar Bin Mamat, Mohd Hashim Bin Ab. Rahman, Mohd Nor Bin Nodin, Mohd Safwan Bin Sazali)
12.45-13.00	48-833	HEAT TRANSFER OF AL2O3 NANOFUIDS IN MICROCHANNEL HEAT SINK (A. A. Razali, A. Sadikin, S. A. Ibrahim)

Conference Papers

3 AUGUST 2016 – Room 4

10.30 AM – 13.00 PM

Parallel Session 14

Session Chair: *M. S. Wahab*

Co- Chair: *Mohd Nasrull Abdol Rahman*

Time	ID	Title
10.30 – 10.45	35-463	BENCHMARKING OF DIMENSIONAL ACCURACY AND SURFACE ROUGHNESS FOR ALSI10MG PART BY SELECTIVE LASER MELTING (SLM) <i>(K. Kamarudin, M. S. Wahab, A. A. Raus, Aqeel Ahmed, S. Shamsudin)</i>
10.45 – 11.00	35-461	EFFECTS OF SELECTIVE LASER MELTING PARAMETERS ON RELATIVE DENSITY OF ALSI10MG <i>(Aqeel Ahmed, M. S. Wahab, A. A. Raus, K. Kamarudin, Qadir Bakhsh, Danish Ali)</i>
11.00 – 11.15	35-462	MECHANICAL AND PHYSICAL PROPERTIES OF ALSI10MG PROCESSED THROUGH SELECTIVE LASER MELTING <i>(A.A Raus, M.S Wahab, M. Ibrahim, K. Kamarudin, Aqeel Ahmed, S Shamsudin)</i>
11.15 – 11.30	36-465	QUALITY PARTS OF PORTABLE FDM MACHINE USED IN DIRECT INVESTMENT CASTING <i>(M.S. Shukri, O.M.F. Marwah, M. Ibrahim, E.J. Mohamad, A. Johar, H. Othman)</i>
11.30 – 11.45	36-459	REVIEW ON PEN AND PAPER BASED OBSERVATIONAL METHODS FOR ASSESSING WORK-RELATED UPPER LIMB DISORDERS <i>(Mohd Nasrull Abdol Rahman and Noor Syafiqah Abd Razak)</i>
11.45 – 12.00	36-778	ECO-DESIGN OF LOW ENERGY MECHANICAL MILLING THROUGH IMPLEMENTATION OF QUALITY FUNCTION DEPLOYMENT AND DESIGN FOR SUSTAINABILITY <i>(Muhammad Hanif Abd Rashid, Nik Hisyamudin Muhd Nor, Siti Norhana Selamat, Al Emran Ismail, Seiji Yokoyama)</i>
12.00 – 12.15	36-417	ENVIRONMENTAL CONCERNS OF SUPPLY CHAIN SUSTAINABILITY (SCS) <i>(Mohd Faiz Mokhtar, Badrul Omar, Nik Hisyamudin Muhd Nor, Nur Fazlinda Mohd Pauzi, Sulaiman Hasan, Wan Azlinda Wan Mohamed)</i>
12.15 – 12.30	36-458	RISK FACTORS OF WORK-RELATED MUSCULOSKELETAL DISORDERS: A REVIEW <i>(Mohd Nasrull Abdol Rahman , Syahrul Aziana Abdul Rahman)</i>
12.30 – 12.45	42-745 31-6045	DESIGN AND ANALYSIS OF YOUNG COCONUT SHELL TRIMMING CUTTER MACHINE <i>(Chang Wen Hui and Ng Chuan Huat)</i>
12.45 – 13.00	42-327	OPTIMIZATION OF NATURAL HYDROXYAPATITE/SS316L FEEDSTOCK FOR HIGHEST GREEN DENSITY IN METAL INJECTION MOLDING BY USING TAGUCHI METHOD <i>(M.H.I.Ibrahim, N.Mustafa, A.M.Amin, R.Asmawi)</i>

3 AUGUST 2016 – Room 1

14.00 PM – 16.15 PM

Parallel Session 15

Session Chair : *Agus Dwi Anggono*

Co-chair : *Teddy Sjafrizal*

Time	ID	Title
14.00-14.15	37-313	UNIQUE ROTATION TENSOR FORMULATION TO PREDICT THREE-DIMENSIONAL DEFORMATION BEHAVIOUR OF ALUMINUM ALLOY AA7010 <i>(Mohd Khir Mohd Nor)</i>
14.15-14.30	39-754	DROP TEST ANALYSIS OF FUSELAGE SECTION OF R80 COMMUTER AIRCRAFT BY USING FINITE ELEMENT METHOD <i>(Agus Dwi Anggono, Adik Nofa Rochma Wahyu Ardianto)</i>
14.30-14.45	39-733	CFD SIMULATION OF AERIAL CROP SPRAYING <i>(Zamri Omar, Kua Yong Qiang, Sofian Mohd , Nurhayati Rosly)</i>
14.45-15.00	39-385	EFFECT OF CAVITATION MODELLING ON THE PREDICTION OF THE LUBRICATION PERFORMANCE USING CFD: A CASE STUDY OF JOURNAL BEARING LUBRICATED WITH NON-NEWTONIAN <i>(M. Tauviqirrahman, B. Muthik, M. Muchammad, A.W. Pratomo, J. Jamari)</i>
15.00-15.15	49-901	PERFORMANCE INVESTIGATION OF ARTIFICIAL BEE COLONY (ABC) ALGORITHM FOR PERMUTATION FLOWSHOP SCHEDULING PROBLEM (PFSP) <i>(Noor Azizah Sidek, Salleh Ahmad Bareduan, Azli Nawawi)</i>
15.15-15.30	49-902	EXPLORING ACADEMIC PATENTING IN INDONESIA (1990-2015) <i>(Teddy Sjafrizal, Devi Pratami)</i>
15.30-15.45	49-727	HOT WATER EXTRACTION, YIELD AND ITS EFFICIENCY AS A METHOD OF EXTRACTION USED IN EXTRACTING OIL FROM JATROPHA CURCAS SEEDS <i>(Kabiru Abdullahi Ahmad1a, Mohd Ezree, Nura Usman, Norhidayah Abdul Hassan, Kamarudin Ambak)</i>
15.45-16.00	44-698	PERFORMANCE OF DUAL DEPTH CAMERA MOTION CAPTURE SYSTEM FOR ATHLETES' BIOMECHANICS ANALYSIS <i>(Wee Chang An, Mohd Zamani Bin Ngali, Zulhimi Bin Kaharuddin, Siti Badriah Binti Khairu Razak)</i>
16.00-16.15	50-877 31-6044	NUMERICAL ANALYSIS FOR COMPARISON OF AERODYNAMIC CHARACTERISTICS OF SIX AIRFOILS <i>(Magedi Moh M. Saad, Wanis Mustafa Edukali Shibani, Mohd Fadhli Zulkafli, Sofian Bin Mohd)</i>

Conference Papers

3 AUGUST 2016 – Room 2

14.00 AM – 16.15 PM

Parallel Session 16

Session Chair: Azmahani Sadikin

Co-chair : Nurul Jamala

Time	ID	Title
14.00 -14.15	39-1060	STUDY THE VELOCITY AND PRESSURE EXERTED IN FRONT OF THE FILTER SURFACE IN THE KITCHEN HOOD SYSTEM BY USING ANSYS (Norzelawati Asmuin, M.Rasidi Pairan, Nurasikin Mat Isa, farid sies)
14.15 - 14.30	39-1059	CHARACTERISTIC STUDY OF FLAT SPRAY NOZZLE BY USING PARTICLE IMAGE VELOCIMETRY (PIV) AND ANSYS SIMULATION METHOD (M.Rasidi Pairan , Norzelawati Asmuin , Nurasikin Mat Isa , farid sies)
14.30 - 14.45	39-979	THE EFFECT OF BUILDING FACADE ON NATURAL LIGHTING (CASE STUDY: BUILDING OF PHINISI TOWER UNM) (Nurul Jamala)
14.45 - 15.00	41-807	PEAT WATER TREATMENT BASED WIRELESS DATA ACQUISITION SYSTEM FOR FLEXIBLE REMOTE MONITORING (Arjon Turnip, Sutrisno S. Hutagalung)
15.00 - 15.15	48-820	SURFACE MODIFICATION OF CAST HYPEREUTECTIC AL-SI ALLOY (Samir Sani Abdulmalik, Rosli Ahmad, Mohammed Bsher A. Asmael)
15.15 - 15.30	48-637	ZNO/TIO2 THIN FILMS FOR PHOTOCATALYTIC APPLICATION (Rosniza Hussin, Go Hock Seng and Nur Syahraain Zulkiflee)
15.30 - 15.45	39-865	EFFECTS OF CHANGING AIRFOIL AERODYNAMIC CHARACTERISTICS ON TURNING DIFFUSER PERFORMANCES (Nur Hazirah Noh@Seth, Norasikin Mat Isa)
15.45 - 16.00	39-897	THE NUMERICAL MODELLING OF FALLING FILM THICKNESS FLOW ON HORIZONTAL TUBES (Ibnu Anas Hassan, Azmahani Sadikin, Norasikin Mat Isa)
16.00 - 16.15	50-601 31-6402	AIRCRAFT LTO EMISSIONS REGULATIONS AND IMPLEMENTATIONS AT EUROPEAN AIRPORTS (Siti Nur Mariani Mohd Yunos, Mohammad Fahmi Abdul Ghafir, and Abas Ab Wahab)

3 AUG 2016 – Room 3

14.00 PM – 16.00 PM

Parallel Session 17

Session Chair : Tri Widodo Besar Riyadi

Co- Chair : Nurhayati Rosly

Time	ID	Title
14.00 -14.15	39-712	MICRO-NEEDLE WITH POLYGONAL STRUCTURE OF MICRO-CHANNEL FOR STRESS AND BLOOD OR DRUG FLOW OPTIMIZATION (Mohd. Dania bin Ibrahim, Yana Shaheera binti Yunos, Andrew Ragai Henry Rigit, Nur Alia Athirah binti Mohtadzar, Siti Noor Haizum binti Semait, Yuta Sunami, Mohd. Rahmat bin A. Rahman, Muhammad Zaidi bin Mohtar, Wong Lee Kwang)
14.15 - 14.30	39-702	NUMERICAL STUDY ON SELF-CLEANING CANISTER FILTER WITH MODIFIED FILTER CAP (Akmal Nizam Mohammed, Mohd Hafiz Zolkhaely, Mohd Sahrizan Sahrudin, Mohd Azahari Razali, Azwan Sapit)
14.30 - 14.45	39-687	ANALYSIS MIST SPRAY DEVELOPMENT WITH AL-75 NOZZLE BY USING HIGH-SPEED CAMERA (M.Faqhrurrazi Bin Abd Rahman, Norzelawati Asmuin, M.Farid Sies)
14.45 - 15.00	45-885	INTERFACIAL BONDING MORPHOLOGY OF ORGANIC FIBER AND MATRIX (Kusno K., Mardin H., Asniawaty K.)
15.00 – 15.15	46-671	THE APPLICATION OF COCONUT FIBER AS DISSIPATIVE SILENCER (M. A. Madlan, M. I. Ghazali, I. Zaman, T. C. Ying)
15.15 – 15.30	48-866	HARDNESS AND WEAR PROPERTIES OF LAMINATED CR-NI COATINGS FORMED BY ELECTROPLATING (Tri Widodo Besar Riyadi, Masyrukan)
15.30 – 15.45	40-875	DESIGN PROPOSAL OF THE ENERGY INSTALLATION SYSTEM FOR VEHICLE'S WIND TURBINE (Nurhayati Rosly, Sofian Mohd, Zamri Omar, Zulkhairi Subari)
15.45 – 16.00	40-903	THE STUDY ON THE INFLUENCE OF BOUNDARY CONDITION APPLIED TO THE CASE OF FLOW PAST THROUGH BUMP MODEL. (Nurhayati Rosly, Bambang Basuno, Sofian Mohd, Mohd Shalahuddin Adnan)
16.00 – 16.15	39-5992	COMPARATIVE ANALYSIS ON FLOW OVER CYLINDER BETWEEN COMMERCIAL CODE AND OPEN SOURCE ALGORITHM (Zulaikha Asyiqin Nur Azri, Ishkrizat Taib, Azmahani Sadikin, Sofian Mohd)

Conference Papers

3 AUGUST 2016 – Room 4

14.00 PM – 16.00 PM

Parallel Session 18

Session Chair : Sofian Mohd

Co-chair : Mohammad Zulafif Rahim

Time	ID	Title
14.00-14.15	39-632	SIMULATION STUDIES OF MOLTEN METAL IN HIGH-PRESSURE DIE CASTING (<i>Mohd Danial bin Ibrahim, Amir Azam Khan, Mohd Rosli Mohamad</i>)
14.15-14.30	39-609	DESIGN OF NOVEL AND EFFICIENT NACELLE WIND TURBINE (<i>M D Ibrahim, M Anyi</i>)
14.30-14.45	39-562	AIR FLOW OPTIMIZATION OF DISCHARGE DUCT BASED ON PEREGRINE FALCON'S DIVING WING SHAPE FOR FORWARD CURVE CENTRIFUGAL BLOWER (<i>M.D. Ibrahim, M.Z. Mohtar, A.A. Alias, L.K. Wong, Y.S. Yunos, M.R.A. Rahman, A. Zulkharnain, C.S. Tan, R. Thayan</i>)
14.45-15.00	46-837	STUDY ON CHICKEN FEATHER AS ACOUSTICAL ABSORPTIVE MATERIAL (<i>Asniawaty Kusno, Rosady Mulyadi, St Haisah</i>)
15.00-15.15	46-763	VIBRATORY MOTION OF FOURTH ORDER FLUID FILM OVER A TIME DEPENDENT HEATED FLAT PLATE (<i>Qayyum Shah, Taza Gul, Mustafa Bin Mamat, Novan Tofany</i>)
15.15-15.30	46-323	RESPONSES OF MULTIPLE NONLINEAR TUNED VIBRATION ABSORBERES UNDER HARMONIC EXITATION (<i>Abdullah S. Alsuwaiyan</i>)
15.30-15.45	40-924	PERFORMANCE TESTING OF A PROPOSED DESIGN ENERGY INSTALLATION SYSTEM FOR VEHICLE'S WIND TURBINE (<i>Sofian Mohd, Nurhayati Rosly, Bambang Basuno, Mohd Fikri, Mohammad Fahmi Abdul Ghafir</i>)
15.45-16.00	40-395	AERODYNAMIC PREDICTION OF ROTOR IN FORWARD FLIGHT USING BLADE ELEMENT THEORY (<i>M.F. Yaakub, A.A. Wahab, A. Abdullah, N.A.R. Nik Mohd, S.S.Shamsudin</i>)
16.00-16.15*	35-6035	NUMERICAL SIMULATION OF SHPB TO MEASURE THE MECHANICAL PROPERTIES OF ALUMINIUM FOAM MATERIAL AT HIGH STRAIN RATE USING MAT 163 MODIFIED CRUSHABLE FOAM (<i>Afdhal, Annisa Jusuf, Leonardo Gunawan, Sigit P. Santosa, Tatacipta Dirgantara, Ichsan S.P.</i>)



50/50



Rejected/withdraw



Not Presented



Late Submission