

The 2<sup>nd</sup> International Conference on Mechanical Engineering Research is scheduled to be held during 1-3 July 2013 at Kuantan, Pahang, Malaysia. The Conference aims at bringing together a number of leading experts from all over the world on to a common platform to discuss and share their vision on the research activities in the frontier areas. This Conference provides an opportunity for information amongst researchers working in Academic Institutions / R&D organizations to present and publish their research findings in the Conference Proceedings and to interact with the experts.

## **Paper Submission Information**

To ensure high standards, all contributed papers will be reviewed by two independent reviewers. Based on the reviewers' comments, the Coordinating Scientist will take decision on the acceptance of the papers.

### **Keynote Speakers**

#### **[1.Prof./Dr.Eng. Takeo Kajishima,](#)**

Department of Mechanical Engineering,

Osaka University

Yamadaoka, Suita, Osaka, 565-0871 Japan

#### **[2.Prof Dr Siamak Noroozi,](#)**

Professor, Chair in Advanced Technology,

Bournemouth University,

Faculty of Design, Engineering and Computing (DEC)

#### **[3.Prof. Dr. Talal Yusaf,](#)**

Computational Engineering and Science Research Centre,

Department of Mechanical and Mechatronic Engineering,

University of Southern Queensland (USQ), Australia

SUNDAY, 30th JUNE 2013						
1500 - 1800	REGISTRATION					
MONDAY, 1ST JULY 2013						
730	REGISTRATION					
900	OPENING CEREMONY (BALLROOM 2)					
1000	COFFEE BREAK					
1030	KEYNOTE SPEAKER 1: Prof. Siamak Noorozi (Bournemouth University, United Kingdom) (BALLROOM 2)					
1130	KEYNOTE SPEAKER 2: Prof. Paul Helmut Nebeling (Reutlingen University, Germany) (BALLROOM 2)					
1230	LUNCH					
PARALLEL SESSIONS						
SESSION 1A (ARABIAN 1)		SESSION 1B (ARABIAN 2)		SESSION 1C (ARABIAN 3)		
Ir. Dr. Hj. Nik Mohd Zuki bin Nik Mohamed		Engr. Dr. Mohd Azman Bin Abdullah		Assoc. Prof. Dr. Tuan Mohammad Yusoff Shah bin Tuan Ya		
1400 - 1515	P031	ANALYSIS OF FAILURE IN MANUFACTURING MACHINERY S.Sulaiman and N.Abdin Ismail	P269	THE EFFECT OF DIFFERENT HEAT TRANSFER MODELS ON A DIESEL HOMOGENEOUS CHARGE COMPRESSION IGNITION (HCCI) ENGINE A. Aziz Hairuddin, Andrew P. Wandel, Talal Yusaf	P059	PARAMETRIC ANALYSIS ON BOIL-OFF GAS (BOG) RATE INSIDE LIQUEFIED NAURAL GAS (LNG) STORAGE TANK Mohamad Shukri Zakaria, Kahar Osman, Ahmad Anas Yusof, Mohamad Hafidzal Mohd Hanafi, Mohd Noor Asril Saadun and Muhammad Zaidan Abdul Manaf
	P034	DEVELOPMENT OF PLANT MAINTENANCE MANAGEMENT SYSTEM (PMMS): A CASE STUDY N.A. Che Azhar and M.A Mansor	P050	OBJECTIVE DRIVE ABILITY: INTEGRATION BETWEEN VEHICLE BEHAVIOR AND SUBJECTIVE FEELING INTO OBJECTIVE ASSESSMENT Isa Yassir Arafat Machmudi Isa, Mohd Azman Zainul Abidin	P036	MITIGATION OF AGRICULTURAL ENERGY REQUIREMENT IN BANGLADESH USING MICROALGAE PRODUCTION Mohammad Farzid Hasan, Syeda Zohra Halim, Choudhury Mohammad Shaharar and Noor Quddus
	P035	THE EFFECT OF CURRENT RATES ON SURFACE SKD 11 FOR ELECTRICAL DISCHARGE MACHINE DIE SINKER Md Razak Daud, Syahrullail Samion, Azli Yahya, Nazriah Mahmud, Nor Lijana Safura Hashim and Kartiko Nugroho	P137	ANALYSIS OF DRIVING CYCLE DATA FOR VEHICULAR EMISSION ESTIMATION IN DHAKA CITY Akhter Zia and Noor Quddus	P120	GROUND VISCOUS EFFECT ON 3D FLOW STRUCTURE OF A COMPOUND WING IN GROUND EFFECT Saeed Jamei, Adi Maimun, Nor Azwadi, Mohd. Mobassher, Shuhaimi Mansor and Agoes Priyanto
	P042	ANALYSIS OF WOVEN NATURAL FIBER FABRICS PREPARED USING SELF-DESIGNED HANDLOOM A.R. Azrin Hani, M.F. Shaari, N.S. Mohd Radzuan, M.S. Hashim, R. Ahmad and M. Mariatti	P177	EXPERIMENTAL INVESTIGATION OF MINIMUM QUANTITY LUBRICATION ON TOOL WEAR IN ALUMINUM ALLOY 6061-T6 USING DIFFERENT CUTTING TOOLS M. Puvanesan, M.M. Rahman, M.S. Najiha and K. Kadrigama	P089	THE USE OF LATTICE BOLTZMANN METHOD FOR PARTICULATE FLOW ANALYSIS Nor Azwadi Che Sidik, Lella Jahanshaloo and Azlin Ismail
	P082	MECHANICAL AND PHYSICAL BEHAVIOUR OF SHORT AND RANDOMLY ORIENTED BANANA PSEUDO-STEM FIBER REINFORCED EPOXY COMPOSITE S.R. Masrol, S.A. Sudin, M.H.I. Ibrahim	P272	EVALUATION OF ANNOYANCE AND SUITABILITY OF A BACK-UP WARNING SOUND FOR ELECTRIC VEHICLE I. Saleh, M.Z. Md. Zain, R.I. Raja Hamzah	P268	ON DIVERSIFICATION OF FEEDSTOCK IN GASIFICATION OF OIL PALM FRONDS Shaharin A. Sulaiman, Nor Hazvani Mat Razali, Ramzy E. Konda, Samson M. Atnaw and Mohd Nazmi Z. Moni
1515	COFFEE BREAK					
SESSION 2A (ARABIAN 1)		SESSION 2B (ARABIAN 2)		SESSION 2C (ARABIAN 3)		
Dr. Mohd Fairusham bin Ghazali		Assoc. Prof. Dr. Md. Mujibur Rahman		Prof. Dr. Hassan Ibrahim		
1530 - 1645	P039	PROPERTIES OF POLYURETHANE FOAM/COCONUT COIR FIBER AS A CORE MATERIAL AND AS A SANDWICH COMPOSITES COMPONENT M. A. Azmi1, H. Z. Abdullah2 and, M. I. Idris3	P019	VARIATION OF CAR CABIN TEMPERATURE INFLUENCED BY VENTILATION UNDER DIRECT SUN EXPOSURE Mansor M.S.F., Abd Rahman U.Z., Zainal Abidin M.S., Md Zain M.Z., Md Yusof M.R.	P235	PRELIMINARY COMBUSTION CHARACTERISTICS OF IMPROVED BIODIESEL IN DIFFUSION BURNER Kumaran P., Gopinathan M. and Kantharajan S.
	P067	MECHANICAL AND THERMAL PROPERTIES OF WASTE BIO-POLYMER COMPOUND BY HOT COMPRESSION MOULDING TECHNIQUE M. Khairul Zaimy A. G. , Anika Zafiah M. Rus , Najibah Ab Latif , Nurulsaidatusyida S.	P160	DETERMINATION OF CUSTOMER REQUIREMENT FOR WELDING FUMES INDEX DEVELOPMENT IN AUTOMOTIVE INDUSTRIES BY USING QFD APPROACH Azian Harir, N. Azreen P. , Norhidayah Abdul, A. M Leman and M. Z. M Yusof	P337	SUSTAINABLE WEEE MANAGEMENT IN MALAYSIA: PRESENT SCENARIOS AND FUTURE PERSPECTIVES Md. Rezaul Hasan Shumon, S. Ahmed, Tasbirul Islam
	P081	SOUND ABSORPTION CHARACTERISTICS OF PALM OIL MALE FLOWER SPIKES FIBER REINFORCED COMPOSITE S.R. Masrol, M.K.R. Rosdin, M.N. Ibrahim	P161	DESIGN AND SIMULATION OF A CYLINDER HEAD STRUCTURE FOR A COMPRESSED NATURAL GAS DIRECT INJECTION ENGINE A. Shamsudeen, S. Abdullah, A.K. Ariffin and Y. Ali	P245	THE ANALYSIS OF RECIRCULATION ZONE AND IGNITION POSITION OF NON-PREMIXED BLUFF BODY FOR BIOGAS MILD COMBUSTION M.M.Noor, Andrew P.Wandel and Talal Yusaf
	P339	NUMERICAL ANALYSIS OF THREE DIMENSIONAL FLOW AROUND MARINE PROPELLERS IN RESTRICTED WATER Adi Maimun, Mehdi Nakisa, Yasser M. Ahmed and Fatemeh Behrouzi	P176	AN INTEGRATED MODEL FOR PREDICTING ENGINE FRICTION LOSSES IN INTERNAL COMBUSTION ENGINE Mohammed Kamil, M.M. Rahman and Rosli A. Bakar	P248	ENERGETIC AND EXERGETIC COMPARISON OF AIR TO AIR AND AIR TO WATER HEAT PUMPS ACCORDING TO EVAPORATOR CONDITIONS Kemal Çomaklı, Ugur Çakır, Erol Sahin and Aysegül Çökçek Kuş
	P122	STRENGTH DEVELOPMENT OF POWDER RED SAND USED AS PARTIAL CEMENT REPLACEMENT N Aina Misonn, M S Jaafar,Abdulrahman Alhozaimy, Siti Khadijah C O	P294	EFFECTS OF PILOT INJECTION TIMING AND EGR ON A MODERN V6 COMMON RAIL DIRECT INJECTION DIESEL ENGINE Nik Rosli Abdullah, Rizalman Mamat, Miroslaw L Wyszynski, Anthanasios Tsolakis and Hongming Xu	P249	DETERMINING THE WORKING CONDITIONS OF HEAT PUMP COMPONENTS ACCORDING TO RUNNING MODES Ugur Çakır and Kemal Çomaklı
SESSION 3A (ARABIAN 1)		SESSION 3B (ARABIAN 2)		SESSION 3C (ARABIAN 3)		
Dr. Muhammad Zahir bin Hassan		Dr. Valliyappan David Natarajan		Dr. Aman Mohd Ihsan Mamat		
1645 - 1800	P033	PRODUCING OF 316L STAINLESS STEEL (SS316L) FOAM VIA SLURRY METHOD Mad Rosip, N.I, Ahmad, S., Jamaludin, K.R, Mat Noor, F.	P009	VALIDATION OF ROAD LOAD CHARACTERISTIC OF A SUB-COMPACT VEHICLE BY ENGINE OPERATION Devarajan Ramasamy, Goh Chin Yuan, Rosli Abu Bakar, Z.A Zainal	P086	THE EFFECT OF DIFFERENT ASPECT RATIO AND BOTTOM HEAT FLUX TOWARDS CONTAMINANT REMOVAL USING NUMERICAL ANALYSIS M.N.A. Saadun, C.S. Nor Azwadi, Z.A.A. Malek, M.S. Zakaria, M.Z.A. Manaf, and M.H. Hanafi
	P044	INDENTATION FRACTURE BEHAVIOUR OF FIBRE METAL LAMINATES BASED ON KENAF/EPOXY Mohamed Ruslan Abdullah, Pang Chi Loog, Nurulakmar Abu Husain, and Behzad Abdi	P010	DEVELOPMENT OF FORMULA VARSITY RACE CAR CHASSIS M. A. Abdullah, M. R. Mansur, N. Tamalidin, and K. Thanaraj	P293	HEAT TRANSFER SIMULATION OF MOTORCYCLE FINS UNDER VARYING CLIMATIC CONDITIONS USING CFD METHOD K.Shahri, Nurhayati Binti Mohd Kasim, and M.Sabri
	P123	HYDROXYPROPYLMETHYLCELLULOSE AS A PRIMARY VISCOSIFYING AGENT IN CEMENT SLURRY AT HIGH TEMPERATURE Ghulam Abbas, Ahmed A.I. Elrayah, Sonny Irawan,Khalil R. Memon, Sandeep Kumar	P138	CYCLIC VARIATIONS OF COMBUSTION CHARACTERISTICS IN DIESEL ENGINE OPERATING WITH B20 BLENDS WITH ALCOHOL ADDITIVES Mohd Hafizl Mat Yasin, Rizalman Mamat Amir Aziz and Ahmad Fitri Yusop	P003	ENERGY ABSORPTION PERFORMANCE OF RAIN FOREST VEHICLE UNDER FRONTAL IMPACT M.S. Othman, Z. Ahmad and R. Sulaiman
	P172	INVESTIGATIONS ON THIXOJOINING PROCESS OF STEEL COMPONENTS M.N. Mohammed, M.Z. Omar, J. Syarif, Z. Sajuri, M.S. Salleh, K.S. Alhawari	P299	INVESTIGATION ON THE EFFECTS OF LIQUEFIED NATURAL GAS (LNG) COMPOSITIONS ON GAS TURBINE PERFORMANCE N.H. Shuaib, M. A. Rashid, H. Hassan, M. H. Ujir, H. Hasini	P022	CFD ANALYSIS OF HEAT TRANSFER AND FRICTION FACTOR CHARACTERISTICS IN A CIRCULAR TUBE FITTED WITH BAFFLE TWISTED TAPE INSERTS Sami D. Salman , Abdul Amir H. Kadhum, Mohd S. Takriff , Abu Bakar Mohamad
	P058	SOOT PARTICLE TRAJECTORIES OF A DI DIESEL ENGINE AT 16° ATDC CRANKSHAFT ANGLE M.H Hanafi, W.M.F Wan Mahmood, M.Z Abdul Manaf, M.S Zakaria, M.N.A Saadun and M.N.A Nordin	P300	EFFECT OF THE COMPRESSION RATIO ON THE PERFORMANCE OF DIFFERENT STRATEGIES OF THE GAS TURBINE Thamir K. Ibrahim and M.M. Rahman	P255	A COMPARISON OF CYLINDRICAL AND ROW TRENCHED COOLING HOLES WITH ALIGNMENT ANGLE OF 0 DEGREE NEAR THE COMBUSTOR ENDWALL E. Kianpour, C. S. Nor Azwadi, I. Golshokouh
2000	ICMER GRAND DINNER (Ballroom 1)					

WEDNESDAY, 3RD JULY 2013											
REGISTRATION											
KEYNOTE SPEAKER 5: Prof Talal Yusuf (University of Southern Queensland, Queensland, Australia) (ARABIAN 3)											
COFFEE BREAK											
SESSION 7A (ARABIAN 1)		SESSION 7B (ARABIAN 2)		SESSION 7C (ARABIAN 3)		SESSION 7D (ARABIAN 4)		SESSION 7E (ARABIAN 5)			
PARALLEL SESSIONS											
Dr. Mohamed Elmaghrabi											
P024	THE INFLUENCE OF NORMAL LOAD IN WEAR RESISTANCE CHARACTERISTIC OF PALM FATTY ACID DISTILLATE S. Syarifuddin and M.M. Norhaini	P071	INFLUENCE OF H2 AND H2O ON UV IRRADIATED BIO-POLYMER COMPOSITE Siti Rahmah M., Anika Zahrah M. Rus, Nurhidayahlydia S.	P103	INVESTIGATION OF BLENDING BIODESEL FUEL PROPERTIES WITH DIETHYL ETHER ADDITIVE Omar M. Ali, Kazieman Mansur, Che Ku-M. Fazel, Ahmad Fati Yusuf	P184	INTERMETALLIC EVOLUTION FOR ISOTHERMAL AGING UP TO 2000HOURS ON Sn-40Ag-0.5Cu AND Sn-37Pb SOLDER WITH NiAu LAYERS M.A. Azmah-Harim, A. Ouyang, D. Salata Acha, I. Sir Rabaiah Aisha	P204	THE EFFECT OF LUBRICANT VISCOSITY IN COLD WORK FORWARD EXTRUSION S. Syarifuddin, S. Kamran and K. Nabeesh		
P154	COMPUTATIONAL MODELING AND STEADY-STATE ANALYSIS OF AERO-ENGINE FAN Rizuan Bohan, Abdusameer Sayam	P072	BIOFOPKMER-BASED THERMOPLASTIC MIXTURE FOR PRODUCING SOLID BIODEGRADABLE SHAPED BODIES AND ITS PHOTO DEGRADATION STABILITY Nurhidayahlydia Salim, Anisa Zulfah M. Rus	P060	DUNALPATTERN AND ESTIMATION OF GLOBAL SOLAR RADIATION IN EAST COAST MALAYSIA M. Mahendran, Lee. G.C. A., Shanani, Bakar, R.A. K. Kadigama, Amir, A.R. and K.V. Sharma	P202	THOZ COATING BY GEL OXIDATION H. Z. Abdullah and C. Sorell	P124	INVESTMENT CASTING USING MULTIPLE MODELING PATTERNS: THE THERMOGRAVIMETRIC ANALYSIS OF VISIBILE SR2020 UV CURABLE ACRYLATE PLASTIC M.K. Halsa, M. Ibrahim and S. Sharif		
P164	MEMRISTIC BEHAVIOR OF PLASMA TREATED THOZ THIN FILMS Z. Azahidi, S.H.Hamim, M. M. Ramly, A. B. Roshan and M.Rusop	P088	SPECIFIC ADSORBED ENERGY OF HYBRID FOAM FILLED COMPOSITE TUBES UNDER QUASI-STATIC LOADING A. Othman, S. Abdullah, A. K. Ariffin and N. A. N. Mohamed	P345	THE EFFECT OF METHANOL BLEND RATIO ON ENGINE PERFORMANCE Rafiq Yusuf, Ibrahim-Hammar, Paul Baker and Othman-Nabeesh	P209	INFLUENCE OF POLYETHYLENE GLYCOL (PEG) ADDITIVE ON PERFORMANCE POLYSILOFONE (PSi) AND POLYETHERSULFONE (PESE) MEMBRANE Siti Hana Mohamad, Hajar Zahid Abdullah, Mazinda Iwana Idris, Zameh Harun, Ahmad Fauzi Ismail, Muhammad Zaki Yusoff, Sulaiman Hassan	P130	THE EFFECTS OF MOLD DESIGN TOWARDS THE QUALITY OF INTEGRAL HINGES TEST SAMPLES IN INJECTION MOLDING SIMULATION M.H.Othman, S.Hasan and Z.Hassan		
P241	AUTOMATED A COMPLEX COMPUTER AIDED DESIGN CONCEPT GENERATED USING MACROS PROGRAMMING Mohammad Rizal Ramly, Ahsanudin Asanin, Safura Abd Rahman, Nurul Anis Md. Zukhrif, Mohd Khalid Rayhan Rizley and Mohammad Iqbal Mohd Ali	P162	AN EXPERIMENTAL INVESTIGATION OF SPRINGBACK OF 44061 ALUMINUM ALLOY STRIP VIA V. BENDING PROCESS A. B. Abdullah and Z. Samad	P314	VOLTAIC TURBINE - A PARADIGM SHIFT PROPOSED IN GENERATING ELECTRICITY Musaev V.	P214	STUDY ON THE EFFECT OF W03 AND B2O3 ON THE MICROSTRUCTURE AND ELECTRICAL PROPERTIES OF THOZ BASED VARISTOR Zarin Kohardayani, Sharda Begam, Ibrahim bin Ahmad, Ida Rayyada and Siamak Gholizadeh	P155	SURFACE INTEGRITY OF LAM ALUMINUM METAL MATRIX COMPOSITE WHEN MACHINED WITH HIGH SPEED STEEL AND UNCOATED CARBIDE CUTTING TOOLS Mohd Hadydy Abu Bakar, Raja Ismahah Raja Abdullah, Mohd Anwar Md. Ali, Mohd Shahri Kasim, Mohd Anni Sulaiman, Siti Sarah Nadia Ahmad and Nurul Fatin Mohamad Rafiq		
P280	EXPERIMENTAL AND NUMERICAL INVESTIGATION OF V-SHAPED EPOXY ADHESIVE JOINT Mohd Afnan, Nur Afnan, M.S. Abdul Majid, R. Daud and Tokou Teramoto	P186	FINITE ELEMENT ANALYSIS OF FLAMENT-WOUND COMPOSITE PRESSURE VESSEL UNDER INTERNAL PRESSURE S. Sulaiman, S. Borazjan and S. H. Tang	P318	ANALYSIS OF CARBON DIOXIDE EMISSION OF GAS FUELED COGENERATION PLANT Adnanudin Nordin and M Amin A. Majid	P215	INVESTIGATING THE EFFECT OF VARIOUS DOPANTS ON PHYSICAL AND MECHANICAL PROPERTIES OF THOZ VARISTOR MATERIALS PREPARED WITH NANOSIZED THOZ POWDER Ida Rayyada Daud, Sharda Begam, Md Mujibur Rahman, Siamak Gholizadeh and Zarin Kohardayani	P156	SURFACE INTEGRITY OF FC300 GRAY CAST IRON DURING MACHINING WITH UNCOATED CARBIDE BALL END MILL Mohd Hadydy Abu Bakar, Raja Ismahah Raja Abdullah, Mohd Anwar Md. Ali, Mohd Shahri Kasim, Mohd Anni Sulaiman, Nur Fatin Mohamad Rafiq and Siti Sarah Nadia Ahmad		
P320	A COMPARISON OF TENSILE PROPERTIES OF POLYESTER COMPOSITES REINFORCED WITH PINEAPPLE LEAF FIBER AND PINEAPPLE PEDUNCLE FIBER J.M. Jusaid, N. Shuhaid, Noor Idran Safwan Anwar and S.A. Syed Azam	P197	FINITE ELEMENT MODELING OF THE EFFECT OF TOOL RAKE ANGLE ON TOOL TEMPERATURE AND CUTTING FORCE DURING HIGH SPEED MACHINING OF AISI 4340 STEEL S. Sulaiman, A. Roshan and M. K. A. Ariffin	P323	AN OVERVIEW OF PALM, JATROPHA & ALGAE AS A POTENTIAL BIODESEL FEEDSTOCK IN MALAYSIA Syarifah Yana, N. R. Abdullah, R. Mariani, A. A. Rashid	P216	Investigate the Influence of Different Binders on Physical and Mechanical Characterization of Titanium Dioxide Based Varistor Siamak Gholizadehgarstak, Sharda Begam, M. Anwar M. Nasser, I. Rayyada Daud	P157	EFFECTS OF CUTTER GEOMETRICAL FEATURES ON MACHINING POLYETHERETHERKETONES (PEEK) ENGINEERING PLASTIC R. Ismahah N. Hajar, M. Hadydy, M. Anwar, M. Sharif and M. Jami		
P306	EFFECT OF ADHESIVE THICKNESS ON ADHESIVELY BONDED T-JOINT A.R. Abdullah, Mohd Afnan, M.S. Abdul Majid	P246	LOW VELOCITY IMPACT RESPONSE OF SANDWICH PANELS WITH CORE OF POLYPROPYLENE (PP) G. Sakar, M. Yaman, C. Akg and M. Raci Aydin	P324	EFFECTS OF AIR INTAKE PRESSURE TO THE ENGINE PERFORMANCE, FUEL ECONOMY AND EXHAUST EMISSIONSON A SMALL GASOLINE ENGINE Nik Rosli Rosdullah, Nafis Syabil Shahrudin, Rizkaman Mansur, Amam Mohd, Nizam Aman and Anwarudin Zulkifli	P208	MECHANICAL PROPERTIES OF ACTIVATED CARBON (AC) COF FIBRES REINFORCED WITH EPOXY RESIN Z. Salata, M. Y. Yusop and M.S.Rosli	P173	INTEGRATED SIMULATION MODEL FOR COMPOSITION AND PROPERTIES OF GASES IN HYDROGEN FUELED ENGINE Mohammed Kamel, M.M. Rahman and R. A. Bakar		
P305	FEASIBILITY STUDY OF NATURAL FIBER COMPOSITE MATERIAL FOR ENGINEERING APPLICATION Taufiq R. S., Nurul Farah-Adibah M. N.R., Nurul Hafid, H. Heshb	P234	EFFECT OF CHITOSAN GELATINIZATION TEMPERATURE ON WATER ABSORPTION AND WATER RETENTION OF CHITOSAN-BASED UREA FERTILIZER Norahman Mohamad, Nur Nadiah Abdul Hamid, Jaefreah Abd Razak and Mohd Farid Bin Dirmir B. Mohd Amin	P265	DRYING OF HRB BY HYBRID SOLAR BIOMASS THERMAL BACKUP Hussain H. Al-Kayiem, Yashis M. Borias	P221	MORPHOLOGICAL, MECHANICAL PROPERTIES OF POLYPROPYLENE/POPOXIDIZED NATURAL RUBBER THERMOPLASTIC VULCANIZATES TREATED WITH MALIC ANHYDRIDE-GRAFTED POLYPROPYLENE NORAHAM Mohamed, NUR Sharafina Zaini and JEEFERIE Abd Razak	P181	ELECTRODE WEAR RATE OF GRAPHITE ELECTRODE DURING ELECTRICAL DISCHARGE MACHINING PROCESS ON TITANIUM ALLOY OF Ti-5Al-2.5Sn M. Ashkar Rahman-Khan, M. M. Rahman and K. Kadigama		
LUNCH											
SESSION 8A (ARABIAN 1)		SESSION 8B (ARABIAN 2)		SESSION 8C (ARABIAN 3)		SESSION 8D (ARABIAN 4)		SESSION 8E (ARABIAN 5)			
Assoc. Prof. Dr. Mst. Munirah Rahman											
P056	A TWO PRESSURE VELOCITY APPROACH FOR IMMERSED BOUNDARY METHODS IN THREE DIMENSIONAL INCOMPRESSIBLE FLOWS T.M.Y.S Tuan, Ya. O. Sabir, Norhazizan Ahmed and Y. Najman	P174	FATIGUE LIFE ESTIMATION MODELS: A STATE OF THE ART M. N. Kameel, M.M. Rahman and A.G.A. Rahman	P344	AN EXPERIMENTAL INVESTIGATION OF THE EFFECTIVE PARAMETERS ON WET WASHING OF BIODESEL PURIFICATION Ahmad Abbaszadeh, Basir Ghobadian, Oghlan hassan Najafi, Tahai Yusuf	P335	INVESTIGATION OF MIG WELDING TO CORROSION BEHAVIOR OF HEAT TREATED CARBON STEEL Shing Mun Ng and Nur Azharah Abd Razak	P332	TWO- AND QUAD-WING FLAPPING WINGS MICRO-AIR-VEHICLE KINEMATIC AND AERODYNAMIC MODELING Harjono Djopjodjono and Afri Syamim Syazwan Ramli		
P077	NUMERICAL PREDICTION OF AIR FLOW WITHIN STREET CANYONS BASED ON DIFFERENT TWO EQUATION K-E MODELS Aliq Wati Muhammad Yaqub, Nor Azwah Che Sidik, Salim Mohamed Salim and Nur Hanizah Mohamed Yusoff	P208	BRAIN ACCELERATION DURING BALL TO HEAD IMPACT IN SOCCER M. H. A. Hassan, Z. Tahar, Z. Anwar, M. A. Ahs	P100	CONTINUOUS BIODESEL PRODUCTION USING ULTRASOUND CLAMP ON TUBULAR REACTOR Leong Boon Soon, Anika Zulfah M. Rus, Sulaiman Hasan	P236	OPTIMUM THICKNESS OF WALL INSULATIONS AND THEIR THERMAL PERFORMANCE FOR BUILDINGS IN MALAYSIAN CLIMATE F. Barozak, H. Ibrahim, M.Y. Tabi, G.C. Lee	P265	ACOUSTIC PERFORMANCE OF GREEN POLYMER FOAM FROM RENEWABLE RESOURCES AFTER UV EXPOSURE Nik Norhanna Mat Hassan, Anika Zulfah M. Rus and Mohd Idran Ghazali		
P070	CFD INVESTIGATION OF IN-CYLINDER AIR FLOW TO OPTIMIZE NUMBER OF GUIDE VANES TO IMPROVE ENGINE PERFORMANCE USING HIGHER VISCOSITY FUEL Ihsa Saad and S. Bari	P243	DETERMINATION OF PHYSICAL PROPERTIES OF LAMINATED COMPOSITE BEAM VIA THE METHOD OF INVERSE VIBRATION PROBLEM Murat Balci and Omer Gundogdu	P125	REDUCING MECHANICAL FORMATION DAMAGE BY MINIMIZING INTERFACIAL TENSION AND CAPILLARY PRESSURE IN TIGHT GAS RESERVOIRS Azhad A. Lashari, Muhammad T. Shaker, Khalid R. Memon, Hassan Bahmani, and Muhammad K. Memon	P017	INVESTIGATION ON ALUMINUM-STAINLESS STEEL DISSIMILAR WELD QUALITY USING DIFFERENT FILLER METALS L.H. Shah, Z. Akhtar and M. Ishtak	P343	EFFECT OF HOLDING TEMPERATURE TO BRASS TRANSFORMATION IN CR MO STEEL N. Sarhan, H. Tasekai, Y. Komuro		
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