

Wednesday, 15 August, 2018

Location: Grand Ballroom							Location: Meeting Room 4			Location: Meeting Room 6		
Track: Electrical & Electronics							Track: Mechanical & Manufacturing			Track: Electrical & Electronics		
Chairman: Dr. Aliza binti Che Amran Assistant: Azhan bin Abdul Raub							Chairman: Siti Halma binti Johari Assistant: Shahrizan bin Sultan			Chairman: Suziana binti Ahmad Assistant: Ahmad Maulana bin Mat Isa		
Time	Paper ID	Title					Paper ID	Title		Paper ID	Title	
11:05AM - 12:35PM	32	Design and implementation of dual input-output variable dc power supply					94	Drilling of Nickel-Titanium (NiTi) Alloys under Minimum Quantity Nano-lubricants with Coated Carbide Tools		172	Geological Effect on GPR System Due to Soil Properties in Malaysia	
	45	Evaluation of Fault Location Algorithm in Medium Voltage Distribution Network with Correction Technique					10	A FEASIBILITY STUDY ON THE DEVELOPMENT OF A MALAY WOOD-BASED DECORATIVE PRODUCT USING CONCURRENT ENGINEERING TOOLS AND TECHNIQUES		168	DEVELOPMENT OF INVERTER BY USING DC-DC BOOST CONVERTER	
	56	Objective Analysis of Muscle Spasticity Level in Rehabilitation Assessment					15	Optimization on the Nanoparticles Stability in Liquid Phased Condition by Using Taguchi Analysis		131	Development of Foreign Material in Food Detection Sensor Using Resistance Concept	
	75	Development of Wireless Remote Bar Spinner Combat Robot					19	Implementation of Data, Decision and Action (DDA) Method in Overall Equipment Effectiveness (OEE) in Manufacturing Process Improvement		133	Development of Shoe Dryer with Microcontroller using GSM module	
	170	Graphene Magnetite Polymeric Nanocomposites (GMPN)-Array Sensor for Human Brain Tumor Detection Using Specific Absorption Rate (SAR) Technique					22	An Improvement of Plasma Cleaning Time Towards Leadframe Oxidation Performance		138	Development of Mobile Robot for Measuring Distance using Optical Quadrature Encoder.	
	28	Development of Pattern Classification for Empty Fruit Bunch (EFB) Based on the Age Profile of Oil Palm Tree Using Neural Network					25	EFFECT OF COOLING MEDIUM AND TEMPERING ON MICROSTRUCTURES AND HARDNESS OF SK3 HIGH CARBON STEEL		142	MINIMUM THRESHOLD FOR ZERO CROSSING DETECTION OF THE FIRST RETURN STROKE IN NEGATIVE CLOUD-TO-GROUND LIGHTNING FLASHES IN SOUTHERN PENINSULAR OF MALAYSIA	
	43	PSO Fine-tuned Model-Free PID Controller with Derivative Filter for Liquid Slosh Suppression					31	Risk Factor Analysis on Fire Fighter's Posture with Scutum-Shaped Shield Including Load and Thermal Exertion		146	Single Feed Square Aperture Circular Polarized Antenna	
	68	A Hybrid Method of Least Square Support Vector Machine and Bacterial Foraging Optimization Algorithm for Medium Term Electricity Price Forecasting					33	DC Inline Plane Test of Silicone Rubber samples with different filler for High-Voltage Insulation		147	Analysis Antenna By Simulation Using Kapton for Smart System Application	
									149	Denosing Small Signals Using Moving Average Method in Arduino		
Track: Mechanical & Manufacturing							Track: Electrical & Electronics			Track: Electrical & Electronics		
Chairman: Dr. Olawale Friday Ifayefunmi Assistant: Mohamad Adli bin Nut Jamudin							Chairman: Amar Faiz bin Zainal Abidin Assistant: Mohd Hedzuan bin Hasbullah			Chairman: Dr. Mohd Badrli bin Md.Shah Assistant: Nasaruddin bin Seman		
Time	Paper ID	Title					Paper ID	Title		Paper ID	Title	
2:00PM - 3:30PM	77	Microstructural Analysis on the Effect of Welding Current on Tungsten Carbide Hardfacing					76	Robotic rover with controller & vision system		93	Model Predictive Direct Current Control (MPDCC) for Grid Connected Application	
	87	Surface modification of the Ti6Al4V alloys via Electrical Discharge Coatings					6	Investigation on The Performance of Low Voltage Power Window DC Motor For Lifting Applications		173	Study of 5.8 GHz band-stop frequency selective surface (FSS)	
	98	EXPLORING THE IMPACT OF SUPPLIER DEVELOPMENT PRACTICES ON MANUFACTURING RESPONSIVENESS IN MALAYSIA					16	Flood Disaster Indicator of Water Level Monitoring System		9	DEVELOPMENT OF SIMPLE GENERATOR FOR PICO HYDRO APPLICATION	
	143	Optimization of multi factors for injection-moulded micro gear via numerical simulation integrated with the Taguchi method and Principal Component Analysis					20	Development of Automatic Healthcare Instruction System Using Movement Gesture Sensor for Paralysis Patient		18	Infrared Walking Aid For Visually Impaired	
	55	The Characterization of PEFB Reinforced Box Waste Coated Superhydrophobic Coating for Shoe Pad Applications					24	Development of an Automatic Can Crusher Using Programmable Logic Controller		27	Improve Performance of the Digital Sinusoidal Generator in FPGA by Memory Usage Optimization	
	116	Experimental Dataset to Develop a Parametric Model Based of DC Geared Motor in Feeder Machine					30	Hardware Implementation of Single Phase Three-Level Cascaded H-bridge Multilevel Inverter Using Sinusoidal Pulse Width Modulation		29	i-Sajadah : Prayer Rug with Smart Raka'ah Notification Device	
	153	DISCOVERING THE CLASSIFICATION OF MANUFACTURING COMPLEXITY FROM MALAYSIAN INDUSTRY PERSPECTIVE					34	The Investigation on Defect Recognition System Using Gaussian Smoothing for Gluing Application		37	The Development of a Single Camera Stereo Vision System for Starfruit Inspection System	
	11	Malaysian Palm Oil Mill Sustainability Regulations: From Organisation Priority to Compliance Operation					60	Analysis of 4G Mobile Network Coverage in UTEM's Technology Campus		38	On-Line Microwave Moisture Technique Performance of Ferronickel	
	12	The Study of Material Mechanical Properties using I-kaz 4D Analysis Method via Piezofilm Sensor					62	Development of Portable Automatic Number Plate Recognition (ANPR) System on Raspberry Pi		42	Study of CMOS Ring Oscillator Delay Cell Performance	
	13	Prioritizing Sustainability Impact of Failure Mode and Effect Analysis in the Palm Oil Mill using Analytical Hierarchy Process					100	PID-based Temperature Control Device for Electric Kettle		50	Enhanced performance of 19nm Single Gate MOSFET with High Permittivity dielectric Material	
	Track: Information Technology, Social & Pure Sciences							Track: Mechanical & Manufacturing			Track: Electrical & Electronics	
Chairman: Dr. Olawale Friday Ifayefunmi Assistant: Muhammad Rabbani bin Abd Rasid							Chairman: Mahanum binti Mohd Zamberi Assistant: Shahrizan bin Sultan			Chairman: Muhamad Faizal Yaakub Assistant: Mohd Hedzuan bin Hasbullah		
Time	Paper ID	Title					Paper ID	Title		Paper ID	Title	
3:45PM - 5:00PM	21	The recent thirty years trend analysis of Harmattan season visibility and temperature in Sahel zone of Nigeria					161	Modification and Design PID Controller of Vapour Refrigerator System		102	POWER GENERATION USING PIEZOELECTRIC TILE BY JUMPING	
	81	Extraction of Cause-Effect-Concept Pair Series from Web Documents					35	Waste Paper Plastering Mortars Machine Development		158	A Comparative Study of Different Blood Vessel Detection on Retinal Images	
	82	EVALUATION OF NOISE LEVEL IN WOMAN TRAIN CABIN AT KTM KOMUTER BERHAD					36	Smart Soap Making Machine Development For Home Appliances		59	Automatic Traffic Light Controller for Emergency Vehicle using Peripheral Interface Controller	
	91	Development of Energy Harvesting from Burning Process for Community Need via IoT Based System					39	Design and Analysis of Bicycle Helmet Moulding Process Development		66	Development of a Portable Community Video Surveillance System	
	113	"BrilliantReflect": Smart Mirror for Smart Life					40	Conceptual Design And Simulation of Rear Pressure Different Air Flow Correction Device Using Computational Fluid Dynamic (CFD)		120	Design and Implementation of Brain Based Control Switching System for Home Application	
	132	Tchebichef Image Watermarking along the Edge using YCoCg-r color space for Copyright Protection					41	Effect of Pressure on Density, Porosity and Flexural Strength during Cold Isostatic Press of Alumina-YSZ-Chromia Cutting Tool		126	Development of Crack on Composite Detection Sensor Using Capacitance Concept	
	137	Image Watermarking based on Integer Wavelet Transform-Singular Value Decomposition and Variance Pixels					46	Design and Development of Portable Vacuum Clamping (Pvac CLAMP) for tool room		129	Analysis of Light Bulb Temperature Control for Egg Incubator Design	
	154	A Design of License Plate Recognition System Using Convolutional Neural Network					48	Optimization of boundary layer separation reduction induced by the addition of a dimple grid on top of a bluff body		130	Development of Crack on Composite Detection Sensor Using Magnetic Induction Concept	
176	Effect of Ground Granulated Blast Slag (GGBS) to the Bonding Strength of Geopolymer Mortar as Repairing Material											

Thursday, 16 August, 2018

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Location: Grand Ballroom			Location: Meeting Room 4		Location: Meeting Room 6	
Track: Energy, Infrastructure and Environmental			Track: Mechanical & Manufacturing		Track: Energy, Infrastructure and Environmental	
Chairman: Dr. Sahazati binti Md. Rozali Assistant: Addyazizi bin Mat Nawi			Chairman: Nadzrie bin Mohamood Assistant: Azhan bin Abdul Raub		Chairman: Mohd Khalil Azha bin Mohd Annuar Assistant: Muhamad Shukry bin Mat Yusof	
Time	Paper ID	Title	Paper ID	Title	Paper ID	Title
8:45 AM - 10:15AM	44	Energy conservation potentials of an office buildings in Northern Nigeria: A case study of Katsina secretariat complex	155	EFFECT OF DISTANCE BETWEEN NATURAL THREAD ON FLAME SPREAD BEHAVIOUR OF KENAF AND POLYESTER FABRIC	64	Young Coconut Waste as Greener Desiccant Alternative in Desiccant Dehumidifier
	84	Development of Self Consolidating Concrete (SCC) Using Crushed Waste Clay Brick as Alternative Aggregate	49	An Experimental Study for Emission of Four Stroke Carbureted and Fuel Injection Motorcycle Engine	72	Design of bloomed flower patterned solar panel
	97	INITIAL STUDY OF GREEN SUPPLIER PRACTICES AND GREEN SUPPLY CHAIN MANAGEMENT WITH WORK SYSTEM PERFORMANCE	54	Composite Optimization of Carbon Fiber Strut Bar	90	Mechanical Properties of Rice Husk Ash (RHA) Brick as Partial Replacement of Clay
	160	Study on Mist Nozzle Spray Characteristics for Cooling Application	65	Numerical heat transfer analysis in microchannel heat sink with different aspect ratio	103	TDS and pH Analysis for Water Quality Monitoring in Water Hydraulics Food Processor
	175	Green Roof Performance under Malaysia Tropical Climates: A Review	67	Design for Manufacturability (DFM) of 3D Printed Parts Fabricated using Open Source 3D Printer	111	Prospective Study of Power Generation from Natural Resources Using Hybrid System for Remote Area
	177	Application of Natural Fiber for Short Term Stabilization of Marine Clay Slope	70	Non-conformance Time as the Component of Time Loss Measures in Assembly Processes	117	Modelling Rail Accident and Incident Causes by Using Zero-Inflated Poisson Approach
	7	Development of Pico Hydro Generation System with Low Cost Waterwheel Type Turbine	73	Buckling experiments of axially compressed circular cylinder with imperfect length	128	A survey and development of automatic damper system trainer kit for small office building energy saving
	8	Development of Portable Power Generation System with Low Cost Vertical Axis Wind Turbine	74	Significant Improvement on Shrinkage Effect of Vacuum Casting Process Parameters using Taguchi Method	135	A Preliminary Assessment of Physical Properties of Sediment at Sembrong Reservoir
	14	An Analysis of Energy Saving through Delamping Method	78	Effect Of Acetone Vapor On Mechanical Properties Of Fused Deposition Modeling Printed Part	148	A Case Study of Malaysian Pedestrian Walking Speed at Shopping Malls in Kuala Lumpur, Malaysia
	63	Investigation of sulfurization time duration process effects on thermally evaporated CZTS absorber layer for photovoltaic application.	79	Improvement of Chatter Stability in Milling Machining using Neoprene Rubber Sheet as Damping Element	152	Development of Power Generator Using Thermal Source from a Car
				178	NATURAL VENTILATION FOR ENERGY EFFICIENT OFFICE BUILDINGS: A COMPARATIVE ANALYSIS ON THREE BUILDINGS IN KUALA LUMPUR	
			Track: Electrical & Electronics		Track: Mechanical & Manufacturing	
			Chairman: Mohd Firdaus bin Ab.Halim Assistant: Nasaruddin bin Seman		Chairman: Dr. Nur Hazwani binti Mokhtar Assistant: Mohamad Adli bin Nut Jamudin	
Time			Paper ID	Title	Paper ID	Title
10:30AM - 12:30PM			163	Classification of Partial Discharge Detection Technique in High Voltage Power Component	85	Development On Orthotics Insole For Flat Feet Focusing On Sport Usage Evaluated By Electromyography
			69	Spectrogram Based Window Selection for the Detection of Voltage Variation	86	Design of Shear Pin for Drivetrain Tracked Robot Using Parametric Finite Element Analysis.
			83	Classification of Myoelectric Signal using Spectrogram Based Window Selection	88	Development of River Trash Collector System
			92	Experiment Study using Parallel Plate Sensor for Detect Conductive Material	105	Pressure Analysis of Remotely Operated Water Hydraulics Actuator (ROWHA)
			96	Design and Implementation of Smart Farming System for Fig using Connected-Agronomics	107	The Productivity Improvement of Home –Made Production Line By Developing Semi-Auto Batter Dispensing System: A Case of Kuih Bahulu
			101	HectorSLAM 2D Mapping For Simultaneous Localization and Mapping (SLAM)	110	Weighting the Material Requirements of NFRC filament for FDM by Using Fuzzy AHP with Extent Analysis Approach
			104	Construction of Driving Seat Frame and 2-DOF Motion Simulator	136	Electrical Production Cost of Young Coconut Waste Pellet by Using Mini Pellet Mill – A Feasibility Study
			106	Automated Medical Surgical Trolley	140	Stability and Roll Effect of the Straight Truck Suspension System
			108	Automated Segmentation and Classification Technique for Brain Stroke	57	Design and Analysis of an Abrasive Cassava Peeling Machine
			115	Intelligent Fire Detection and Alert System Using LabVIEW		
		118	DEVELOPMENT OF ELEMENTARY SCHOOL DRONE KIT USING ARDUINO	112	Multiple View Image Registration of 3D Object Pose Estimation Using Outer Box Method	
		119	Assessment on The Impact of Distributed Generation (Renewable Energy) Penetration to The National Grid Protection System Performances using ERACS Software			