

Congratulation to all SEMA 2018 participants.

List of finalize paper for SEMA 2018 are listed in the Table below.

We are looking forward to seeing you at SEMA 2018 this 8 November 2018!

Announcements on SEMA 2018 Parallel Session schedule and Program Book will be made in due course.

Any inquiry related to parallel session, please contact Organizing Chair, **Dr. Muhammad**

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Paper ID	Paper Title	Track Name
3	Development Of A lot Based Digital Ammeter With Bluetooth In Half-Duplex Communication	Telecommunication and Computer Engineering
8	A Novel Microbial Biofilm Carrier For Wastewater Remediation	Manufacturing Process, Technology and Design
9	Comparative Study Of The Voltage Generation In Microbial Fuel Cell Chambers Based On Different Wastewater Test	Energy and Automotive
10	Integrated Pid Controller For Altitude Control Of Quadrotor System	Industrial Automation and Robotics
17	Effect Of Pre-Stressed P(Vdf-Trfe) Thick Film On Flexible Substrate	Manufacturing Process, Technology and Design
18	Hybrid Power System Act Based On Smart Bidirectional Power Meter	Energy and Automotive
22	Investigation Of Dissolved Decay Products In Various Transformer Oil Using Uv-Vis Spectrophotometry	Industrial Automation and Robotics

25	Modelling Charging And Discharging Switching Strategy For Battery Energy Storage System	Telecommunication and Computer Engineering
26	Development And Analysis Of Indirect Object Isolation Algorithms On A Vision Base 5dof Kuka Robot	Industrial Automation and Robotics
27	A Comparative Review Of Wireless Modules For Energy Harvesting Based Wsn	Telecommunication and Computer Engineering
28	Generating Self-Adaptive Trajectory Based On Negotiation Principles	Industrial Automation and Robotics
30	Feature Extraction And Selection For The Classification Of Myoelectric Signal	Telecommunication and Computer Engineering
37	Fused Convolutional Neural Network For Facial Expression Recognition	Telecommunication and Computer Engineering
39	Voltage Variation Analysis By Using Gabor-Transform	Energy and Automotive
43	An Improved Of Malaysian License Plates Detection Using Deep Convolutional Neural Networks	Telecommunication and Computer Engineering
50	Linearization Of Mecanum-Wheeled Robot For Non-45° Diagonal Path Tracking	Industrial Automation and Robotics
51	Effect Of Sf6 Content In Sf6/N2 Gas Mixtures To Its Ac Breakdown Behavior At Low Pressure	Industrial Automation and Robotics
53	Occupational Safety And Health (O.S.H) Strategies Towards Green Environment Malaysia Small And Medium Manufacturing Sector	Education and Social Sciences
55	An Investigation For Determining The Optimum Value For Fast Transition Detection In Lightning Strike	Industrial Automation and Robotics

56	Tuning Of Single Input Fuzzy Logic Controller Using Linear Control Surface Approximation For Underwater Remotely Operated Vehicle (Rov) – Depth Control	Industrial Automation and Robotics
57	Powering An Off-Grid City By Using A Photovoltaic-Wind Hybrid System In Algerian Sahara And Kampung Lb Johnson, Malaysia	Energy and Automotive
62	Force And Position Feedback Of Bilateral Master-Slave Control System In Robotic Simulator	Industrial Automation and Robotics
64	Comparison Study For The Pid Parameters Selection Methods	Industrial Automation and Robotics
66	Trajectory Generation For Hip Rehabilitation Exoskeleton Using Trajectory Morphing Method	Industrial Automation and Robotics
69	Arduino Based Automated Coolant Supply System For Cnc Machining	Industrial Automation and Robotics
70	Smart Waste Management System (Swms) Based On Internet Of Things (Iot)	Advanced Computing Technologies
71	A Study On The Implementation Of Lu-Chipman Decomposition Method Via Matlab Simulation	Telecommunication and Computer Engineering
73	An Improved Aided Sit-To-Stand Kinematic Model Evaluation	Industrial Automation and Robotics
75	Analysis Of End To End Delay And Packet Lost Ratio In Manet	Advanced Computing Technologies
76	Implementation Of Wireless Monitoring System For Analyzing Solar Photovoltaic Panel	Telecommunication and Computer Engineering
78	Quasi-Z-Source Inverter With Hybrid Energy Storage For Im Drive System	Energy and Automotive

83	Waste Cooking Oil Physiochemical Properties Improvement Via Transesterification Process	Energy and Automotive
85	Facial Mechatronics Of A Humanoid Social Robot	Industrial Automation and Robotics
86	Place Recognition Based On Environmental Visual Features	Industrial Automation and Robotics
87	Exploring For Technological Innovation Potential In Engineering Education	Education and Social Sciences
89	A Smart Method Using Machine Learning For Spark To Process Big Data	Advanced Computing Technologies
91	Point-To-Point Positioning Tracking With Optimized Robust Controller	Industrial Automation and Robotics
93	Maximum Power Point Tracker To Enhance Output Performance Of Thermal Energy Harvesting System	Energy and Automotive
97	Measurement And Analysis Of Partial Discharge For Medium Voltage Underground Power Cable	Energy and Automotive
98	Modification Of The Permanent Magnet Linear Synchronous Motor's Shaft For Fixing Ring Shape Permanent Magnet	Industrial Automation and Robotics
99	Inverter Selection Impact To Large Scale Solar Photovoltaic Power Plant Layout In Malaysia	Energy and Automotive
100	Muscle Activities Segmentation Of Emg Signal For Manual Lifting	Advanced Computing Technologies
101	Fmcleaner: Automatic Detect And Repair Data Error Using Functional Dependencies And Machine Learning Algorithm	Advanced Computing Technologies

102	Network Fault Prediction Using Mmr And Random Forest Classifier	Advanced Computing Technologies
105	The Design Of Mobile Push Notification For Improving Queueing System In Electronic Health Services	Advanced Computing Technologies
106	Experimental Evaluation Of Thermoelectric Generator Based On Oven Application For Energy Harvesting	Energy and Automotive
107	Behavior Of Synchronous Generator (Sg) During Islanding Condition.	Industrial Automation and Robotics
112	Electricity Price Forecasting Using Artificial Neural Network: Activation Function Selection	Advanced Computing Technologies
115	Optical Performance For Parabolic Dish (Pd) Secondary Concentrator	Energy and Automotive
116	Local Stereo Matching Algorithm Based On Pixel Difference Adjustment And Weighted Median Filter	Advanced Computing Technologies
117	Determinants Of Burnout Among Housemen: A Conceptual Paper	Education and Social Sciences
120	Pressure Analysis Of A Water Hydraulics System In An Automatic Food Processing Machine	Industrial Automation and Robotics
121	2.5ghz 0.18 μ m Cmos Rf-Dc Rectifier Circuit For Wsn Node	Telecommunication and Computer Engineering
127	Object Classification Using Multi Force Sensor With Two Finger Kuka Youbot Gripper	Industrial Automation and Robotics
130	Design Of Hollow Rotor Pmg For Pico-Hydroelectric Application	Manufacturing Process, Technology and Design

131	Development Of Control Logic In Simulation System For Material Handling System Based On Cyber Physical System (Cps) Architecture	Industrial Automation and Robotics
133	Implementation Of Iec 61499 Function Block For Conveyor Sorter	Industrial Automation and Robotics
136	Transformer Oil Aging Measurement Based On Tapered Single Mode-Multimode-Single Mode (Sms) Fibre Structure	Industrial Automation and Robotics
138	Modeling Of A Single Rod Double Acting Pneumatic Actuator System	Industrial Automation and Robotics
139	Impacts Of Photovoltaic Power Fluctuations On Power Grids And The Mitigation Methods: A Review	Energy and Automotive
142	A Novel Pid Controller Based Solar Panel Tracking System	Energy and Automotive
143	Development Of Real-Time Hardware-In-The-Loop For A Liquid Slosh Suppression System By Implementing Model-Free Pid Controller	Industrial Automation and Robotics
144	Improvements Of Antenna's Gain Using Grounded And Ungrounded Metamaterials	Telecommunication and Computer Engineering
153	The Development Of The Queue Management System That Prioritize Handicapped Person	Advanced Computing Technologies
159	Characteristic Of An Effective Social Media Toward The Improve Sales Of Frozen Food For Micro Business	Technology Management and Technopreneurship
163	Comparative Studies Of Bus Voltages And Power Losses Of Power System Networks	Energy and Automotive
165	Review Of Constrained Optimization Problem Solving Using Evolutionary Algorithms	Telecommunication and Computer Engineering

166	Panther-J Auv Development In The Ieee-Oes Malaysia Autonomous Underwater Vehicle Competition Challenge 2017	Industrial Automation and Robotics
168	Multilayered Antenna With Amc Ground Plane For 5g Applications	Telecommunication and Computer Engineering
170	Validation Of Improved Laser Doppler Anemometer (Lda) Based On The Fully Developed Turbulent Round Jet	Telecommunication and Computer Engineering
173	Dcp Concentration Effect On The Surface Resistivity Value In Silicone Rubber Material	Energy and Automotive
175	Torque Ripples Analysis Of Three-Level Inverters In Dtc Drives	Energy and Automotive
178	Analysis Of Dimensional Accuracy And Surface Finish Parameters For Different 3d Printers	Manufacturing Process, Technology and Design
180	Electricity Demand Model Generation Using Malaysian Typical Load Profile	Energy and Automotive
181	Linearization On Non-Linear Switched Reluctance Actuator For Precision Motion	Industrial Automation and Robotics
182	Rotor Positioning Characterization For A Non-Linear Switched Reluctance Actuator	Industrial Automation and Robotics
183	Improvement In Thermal Printer Line Production By Using Kaizen Method.	Manufacturing Process, Technology and Design
187	Proposed Reliable 16-Bit Pass Transistor Logic Based Full Adder Circuit Design	Telecommunication and Computer Engineering
188	On Modelling And Analysis Of Small Cell Power Consumption In 5g Heterogeneous Network	Telecommunication and Computer Engineering

189	A Proposed Conveyor Sorter Model By Using Object-Oriented Petri Nets Approach	Industrial Automation and Robotics
191	Analysis And Classify The Variability Index Of The Irradiance For Grid-Connected Photovoltaic System In Utem	Energy and Automotive
194	Lightweight Robot Manipulator For Tvet Training Using Fdm Technique	Industrial Automation and Robotics
195	Design And Development Of Low Cost Wireless Sensor Network (Wsn) Based Home Automation	Industrial Automation and Robotics
197	Study Of Breakdown Voltage Characteristic Of Blended-Insulating Oil: Mineral-Palm Fatty Acid Ester Oil	Energy and Automotive
201	Performance Comparison Of Training Algorithms For Classification Of Finger Motion From Electromyography (Emg) Signal.	Industrial Automation and Robotics
203	Performance Analysis Of Dc Motor Speed Control By Using Genetic Algorithm Tuning Pid And Pid Controller	Industrial Automation and Robotics
204	Voltage Profile Analysis Of Small-Scale Solar Photovoltaic System Under Different Load Profile	Energy and Automotive