<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 – 11:15</td>
<td>Detection of Void Areas on Single Pad X-Ray Images Using Deep Convolutional Neural Network</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>Performance Analysis of Voice Activity Detector in Presence of Non-Stationary Noise</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>A Computer Vision Based Assessment System for Electrical Installation Training</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>Object Detection with Few-Shot Learning and Data</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>A Hybrid Deep Learning Model for Face Sketch Recognition</td>
</tr>
<tr>
<td>12:30 - 12:45</td>
<td>Dorsal Hand Vein Segmentation Using Vein-Generative Adversarial Network (V-GAN) Model</td>
</tr>
<tr>
<td>12:45 - 13:00</td>
<td>Study of VGG-19 Depth in Transfer Learning for COVID-19 X-Ray Image Classification</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11.15</td>
<td>Mathematical Modeling of Self Balancing Robot and Hardware Implementation</td>
</tr>
<tr>
<td>11:15 - 11:30</td>
<td>Semi-Automatic 3D Metal Deposition Machine Based on Wire Arc Additive Manufacturing (WAAM)</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>Enhance Robotic Process Automation Using a Rule-Based Approach</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>An Automatic Light Control System for Camera Barcode Reader</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>Kalman Filter-Based Fault Detection Scheme for Antenna Azimuth</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>Experimentation of Magnetorheological Piston Damper</td>
</tr>
<tr>
<td>12:30 - 12:45</td>
<td>Survey on Meta-Heuristic Algorithms for Solving Vehicle Route Problems in a Waste Collection System</td>
</tr>
<tr>
<td>12:45 - 1:00</td>
<td>UAV Control System with Time to Collision (TTC) Prediction Capability</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11.15</td>
<td>Modelling of High Frequency Coreless Planar Transformer with TWR Hexagonal Winding</td>
</tr>
<tr>
<td>11:15 - 11:30</td>
<td>Model Predictive Control for Induction Motor Fed by 5-Level Cascaded H-Bridge Inverter</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>New Level Increasing Technique for Symmetrical Multilevel Inverter with Reduced Number of Components and Total Standing Voltage</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>Breakdown Voltage of PFAE Containing Non-Bridged and Bridged Cellulose Fiber Under Lightning Impulse Stress</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>Effect of Harmonics Current on the Performance of Current</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>Electrical Tree Inception Voltage and Propagation in XLPE Containing Silica Nanofiller</td>
</tr>
<tr>
<td>12:30 - 12:45</td>
<td>Effect of Pressure Drop on the Performance in a Multi-Stage Fluidization System</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11.15</td>
<td>Under Insulation Microwave Non-Destructive Testing Using Dual-Ridges Open-Ended Rectangular Waveguide</td>
</tr>
<tr>
<td>11:15 - 11:30</td>
<td>Embedded Facial Mapping: Tracking Facial Expressions with Limited Hardware</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>A Comparative Analysis of Euclidean-Support Vector Machine</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>Deep Learning for Diabetic Retinopathy (DR) Classifier</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>Respiratory Anomalies &amp; Diseases Detection with Deep Learning</td>
</tr>
<tr>
<td>12:30 - 12:45</td>
<td>Smart Traffic System: Detection of the Emergency Clearance</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11:15</td>
<td>Combined Role of Material Composition and Thickness of Activated Carbon/Natural Rubber Composite Microwave Absorbers in the Absorption of Within the 1 - 18 GHz Frequency Range: A Review</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>Analysis of the Proposed Boundary Conditions for the Conductive Material and Substrate Thickness of Air-Substrate Microstrip Patch Antenna via Graphical Verification Method</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>Bandwidth Enhancement of Branch-Line Crossover Using Etching Slot Technique for Butler Matrix</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>The Three-Stage Non-Blocking Switch for Elastic Optical Networks</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>PAPR Reduction OF OFDM System Using Partial Transmit Sequence (PTS) and Firefly Algorithm (FA)</td>
</tr>
<tr>
<td>12:30 - 12:45</td>
<td>An Improvement on Partial Transmit Sequence (PTS) for PAPR Reduction in OFDM System</td>
</tr>
<tr>
<td>12:45 - 1:00</td>
<td>A Compact MIMO Antenna for Wideband Circularly Polarized mmWave Communications</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>15:00 - 15:15</td>
<td>Analysis of Plant Stress Response Using Hyperspectral Imaging and Kernel Ridge Regression</td>
</tr>
<tr>
<td>15:15 - 15:30</td>
<td>Behavioural Study of Constrained Convolutional Neural Network on Image Splicing Classification of Various Datasets</td>
</tr>
<tr>
<td>15:30 - 15:45</td>
<td>Passive Acoustic Monitoring (PAM) of Snapping Shrimp Sound Based on Blind Source Separation (BSS) Technique</td>
</tr>
<tr>
<td>15:45 - 16:00</td>
<td>Fruit Ripeness Classification with Few-Shot Learning</td>
</tr>
<tr>
<td>16:00 - 16:15</td>
<td>Sorted Uniform Local Binary Patterns</td>
</tr>
<tr>
<td>16:15 - 16:30</td>
<td>Lung Nodules Detection Using Inverse Surface Adaptive Thresholding (ISAT) and Artificial Neural Network</td>
</tr>
<tr>
<td>16:30 - 16:45</td>
<td>Comparison Between K-Nearest Neighbor (KNN) and Decision Tree (DT) Classifier for Glandular Components</td>
</tr>
<tr>
<td>16:45 - 17:00</td>
<td>Analysis on Clustering Based Method for Diabetic Retinopathy Using Color Information</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>15:00 - 15:15</td>
<td>Automatic Detection of Cerebral Ischemia (Cerebral Occlusion) by Using Frame Differencing Method</td>
</tr>
<tr>
<td>15:15 - 15:30</td>
<td>Safety Device for Runners (SDR) Using Arduino Microcontroller</td>
</tr>
<tr>
<td>15:30 - 15:45</td>
<td>A New Concept of Inter-Robot Interaction: An Application on NAO Humanoid Robot</td>
</tr>
<tr>
<td>15:45 - 16:00</td>
<td>Optimization of PD Controller Based on ARMAX Model for Vapor Compression Refrigeration System Using R600a Refrigerant</td>
</tr>
<tr>
<td>16:00 - 16:15</td>
<td>Response Time Reduction of Internet of Things (IoT) Based Flood Alert System</td>
</tr>
<tr>
<td>16:15 - 16:30</td>
<td>Interactive System for Maintenance of Automatic Test Equipment on the IC Production Floor</td>
</tr>
<tr>
<td>16:30 - 16:45</td>
<td>Holonomic Mobile Robot Planners: Performance Analysis</td>
</tr>
<tr>
<td>16:45 - 17:00</td>
<td>Inchworm-Inspired Semi-Autonomous Pole-Climbing Robot</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>15:00 - 15:15</td>
<td>Unraveling the Rubik's Cube with Autodidactic Iteration Algorithm</td>
</tr>
<tr>
<td>15:15 - 15:30</td>
<td>AFSA-SLNO Variants for Enhanced Global Optimization</td>
</tr>
<tr>
<td>15:30 - 15:45</td>
<td>Effects of the Number of Network's Order Used in a Higher Order Neural Network on Time Series Prediction</td>
</tr>
<tr>
<td>15:45 - 16:00</td>
<td>Apex Frame Spotting Using Convolutional Neural Networks with Continuous Labeling</td>
</tr>
<tr>
<td>16:00 - 16:15</td>
<td>Improved K-Means Clustering for Initial Center Selection in Training Radial Basis Function Networks</td>
</tr>
<tr>
<td>16:15 - 16:30</td>
<td>An Innovative TRIZ Insight on the Pilot Test Run Issue in NPI Through Intelligent System</td>
</tr>
<tr>
<td>16:30 - 16:45</td>
<td>AFCGA as Preferable Intelligent Tuning Method to Reduce the Vibration of Suspended Handle-Power Tool</td>
</tr>
<tr>
<td>16:45 - 17:00</td>
<td>A Comparative Study of Sine Cosine Optimizer and Its Variants for Engineering Design Problems</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>15:00 - 15:15</td>
<td>A Review on Tools and Techniques for Visualizing Software Requirement Traceability</td>
</tr>
<tr>
<td>15:15 - 15:30</td>
<td>Handling Illusive Text in Document to Improve Accuracy of Plagiarism Detection Algorithm</td>
</tr>
<tr>
<td>15:30 - 15:45</td>
<td>Security - Enhanced MQTT Platform for Green Internet of Things (IoT) Communication</td>
</tr>
<tr>
<td>15:45 - 16:00</td>
<td>Analysis of Smart IOT Portal Based on Advanced RISC Machines (ARM) Processor for Fanless Heat Maintenance</td>
</tr>
<tr>
<td>16:00 - 16:15</td>
<td>Internet of Things with RFID Based Microcontroller for Monitoring System</td>
</tr>
<tr>
<td>16:15 - 16:30</td>
<td>Functional Requirements for Talent Management System - A Case of Performing Arts Freelancers in Malaysia</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>---------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>15:00 - 15:15</td>
<td>Simple Compact UWB Vivaldi Antenna</td>
</tr>
<tr>
<td>15:15 - 15:30</td>
<td>Effects of Integration Time on Rain Rate Distribution for Microwave Link Design</td>
</tr>
<tr>
<td>15:30 - 15:45</td>
<td>Nearly Zero Ultra-Flattened Dispersion in Octagonal Photonic Crystal Fiber</td>
</tr>
<tr>
<td>15:45 - 16:00</td>
<td>Design A RFID Tag Antenna for Wearable Application System</td>
</tr>
<tr>
<td>16:00 - 16:15</td>
<td>Backlobe Reduction of Air Substrate Circular Patch Antenna for 5G Applications</td>
</tr>
<tr>
<td>16:15 - 16:30</td>
<td>2D Physical Modelling of Double δ-Doped pHEMT with Tensile InAlAs Barrier and Compressive InGaAs Channel</td>
</tr>
<tr>
<td>16:30 - 16:45</td>
<td>Development of 2D Indoor Monitoring and Positioning System (IMPS) Using Received Signal Strength Indicator (RSSI) Assisted by Internet of Things (IoT) Application</td>
</tr>
<tr>
<td>16:45 - 17:00</td>
<td>Handling Mobility with Network Virtualization in IoT WAVE Context</td>
</tr>
</tbody>
</table>
6th APRIL 2021
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45 - 9:00</td>
<td>Implementation of Fuzzy Gamma Adaptive Histogram Equalization for Penicillium and Aspergillus Species</td>
</tr>
<tr>
<td>9:00 - 9:15</td>
<td>Multi-View Human Action Recognition System Based on OpenPose and KNN Classifier</td>
</tr>
<tr>
<td>9:15 - 9:30</td>
<td>Malaysian Sign Language Translator for Mobile Application</td>
</tr>
<tr>
<td>9:30 - 9:45</td>
<td>Convolutional Neural Network Architecture for Detecting Facemask and Social Distancing: A Preventive Measure for COVID19</td>
</tr>
<tr>
<td>9:45 - 10:00</td>
<td>Automatic Detection of Hotspots on Electric Motors Using Thermal Imaging</td>
</tr>
<tr>
<td>10:00 - 10:15</td>
<td>Correlation Between Multiple Sclerosis Lesion Areas in Brain Magnetic Resonance Imaging and Patient's Disability</td>
</tr>
<tr>
<td>10:15 - 10:30</td>
<td>A Densely Interconnected Convolutional Neural Network-Based Approach to Identify COVID-19 from Chest X-Ray Images</td>
</tr>
<tr>
<td>10:30 - 10:45</td>
<td>UAV Based Mapping for Uniciiti Alam Campus</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>8:45 - 9:00</td>
<td>Development of Four-Legged Klann Linkage Walking Robot</td>
</tr>
<tr>
<td>9:00 - 9:15</td>
<td>Steel Pipe Climbing Robot Development</td>
</tr>
<tr>
<td>9:15 - 9:30</td>
<td>Pattern Clustering Approach for Activity Recognition in Smart Homes</td>
</tr>
<tr>
<td>9:30 - 9:45</td>
<td>Real-Time Vibration Monitoring Using MEMS Vibration Sensors</td>
</tr>
<tr>
<td>9:45 - 10:00</td>
<td>Design Hyperbaric Chamber Based Wave Energy Conversion System with Pelton Turbine Control Strategies</td>
</tr>
<tr>
<td>10:00 - 10:15</td>
<td>Altitude and Attitude Control of a Quadcopter Based on Neuro-Fuzzy Controller</td>
</tr>
<tr>
<td>10:15 - 10:30</td>
<td>Latest Trends Integration of Gas Leakage and Fire Detection Using IOT: A Survey</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>8:45 - 9:00</td>
<td>Performance Analysis of a Unified Power Quality Compensator to Mitigate Power Quality Problems</td>
</tr>
<tr>
<td>9:00 - 9:15</td>
<td>Model Predictive Control of Single-Phase Simplified Split-Source Inverter</td>
</tr>
<tr>
<td>9:15 - 9:30</td>
<td>Partial Discharge Activity Under Influence of Metal Particle Number in Mineral Oil and PFAE</td>
</tr>
<tr>
<td>9:30 - 9:45</td>
<td>A Maximum Power Point Tracking Using Levy Particle Swarm</td>
</tr>
<tr>
<td>9:45 - 10:00</td>
<td>Analytical Subdomain Model for Double-Stator Permanent Magnet Synchronous Machine</td>
</tr>
<tr>
<td>10:00 - 10:15</td>
<td>An Improved Non-Dominated Sorting Genetic Algorithm III with Grey Relational Analysis Decision Making for DG Placement and Sizing</td>
</tr>
<tr>
<td>10:15 - 10:30</td>
<td>Electrical Treeing Characteristics of XLPE Material Containing Alumina Nano-Filler</td>
</tr>
<tr>
<td>10:30 - 10:45</td>
<td>PQ Control Strategy in Single-Phase Inverter for Grid-Connected Photovoltaic Energy System Under Linear and Nonlinear Loads</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>8:45 - 9:00</td>
<td>Optimizing RAM Testing Method for Test Time Saving Using Automatic Test Equipment</td>
</tr>
<tr>
<td>9:00 - 9:15</td>
<td>Novel FPGA-Optimized Stochastic Number Generator for Stochastic Computing</td>
</tr>
<tr>
<td>9:15 - 9:30</td>
<td>Effect of Gate Dielectric Thickness on the Performance of Top-Down ZnO Nanowire Field-Effect Transistors</td>
</tr>
<tr>
<td>9:30 - 9:45</td>
<td>A 5 GHZ Current Controlled Oscillator with Active Inductor</td>
</tr>
<tr>
<td>9:45 - 10:00</td>
<td>Speeding Parasitic-Extraction Stage in Layout-Change-Order Validation Cycle Through Net-Tracing and Layout Trimming</td>
</tr>
<tr>
<td>10:00 - 10:15</td>
<td>A 10-Bit Partial Binary Tree Network DAC Utilizing Op-Amp as an Output Current Magnifier</td>
</tr>
<tr>
<td>10:15 - 10:30</td>
<td>Solar Powered Automatic Dissolved Oxygen Optimiser for Tumpat Caged Fish Farm Kelantan</td>
</tr>
<tr>
<td>10:30 - 10:45</td>
<td>Fabrication of High Performance High Electron Mobility Transistor Design Based on III-V Compound Semiconductor</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>8:45 - 9:00</td>
<td>Bowtie Antenna Design with Lumped Element Modification for Partial Discharge Measurement Applications</td>
</tr>
<tr>
<td>9:00 - 9:15</td>
<td>1.8 V, 8-Bit Integrated ADC and DAC in CMOS 180 nm for Bluetooth Low-Energy (BLE) System</td>
</tr>
<tr>
<td>9:15 - 9:30</td>
<td>High Efficiency CMOS Power Amplifier with Integrated Driver Based APD Linearizer</td>
</tr>
<tr>
<td>9:30 - 9:45</td>
<td>An On-Chip Integrated CMOS Ring Mixer-Balun-VCO Achieving IIP3 of 11.2 dBm and Phase Noise of -117.2 dBc/Hz</td>
</tr>
<tr>
<td>9:45 - 10:00</td>
<td>A Review of Process for Wearable Communication Antenna</td>
</tr>
<tr>
<td>10:00 - 10:15</td>
<td>Wireless Sensor Network's Agricultural Monitoring System Using TDMA Based Wireless Communication</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11:15</td>
<td>Development of Morphological Image Processing Learning Module for Mobile Application</td>
</tr>
<tr>
<td>11:15 - 11:30</td>
<td>A Deep Learning Approach for Detecting Medical Face Mask on Human Faces in Response to Covid19</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>Segmentation of Diabetic Retinopathy Using Entropy-Based Thresholding - A Review</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>Enhanced the Face Recognition Accuracy by Using Histogram of Oriented Gradients (HOG) in Pre-Processing Approach</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>YOLO Based Deep Learning Network for Metal Surface Inspection System</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>Survey on Loss Functions for Face Recognition</td>
</tr>
<tr>
<td>12:30 - 12:45</td>
<td>Impact of Similarity Measure Functions on the Performance of Coherent Filtering Detection</td>
</tr>
<tr>
<td>12:45 - 13:00</td>
<td>Convolutional Neural Network with Hidden Markov Model to Identify Non-Severe Traumatic Brain Injury from Electroencephalography</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11:15</td>
<td>A Fast and Flexible Turret Based Automated Vision Inspection (AVI) to Inspect 6 Sides of Small Discrete Components</td>
</tr>
<tr>
<td>11:15 - 11:30</td>
<td>Autonomous Grass Lawn Weeding Mobile Robot Based on Image Processing Using LabVIEW</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>A Review of Recent Mobile Robot Application Using V-SLAM in GNSS-Denied Environment</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>CNN-Based Off-Board Computation for Real-Time Object Detection and Tracking Using A Drone</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>Point Cloud Generation with Low-Cost Camera for Visual SLAM</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>Fast Initial Response for Auxiliary Information Based EWMA Chart for the Process Mean</td>
</tr>
<tr>
<td>12:30 - 12:45</td>
<td>Design Safety Training Using Extended Reality Tracking Tools in Semiconductor Fabrication Laboratory Furnace</td>
</tr>
<tr>
<td>12:45 - 13:00</td>
<td>Sensing and Control of Autonomous Driverless Car on Road (SCAD)</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11.15</td>
<td>Optimal Selection of Parallel Atrous Convolutions for MobileNet V3</td>
</tr>
<tr>
<td>11:15 - 11:30</td>
<td>Deploying Fuzzy Rough Set and Artificial Immune System Algorithms for Air Quality Prediction</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>Modeling 2-D Solitary Hunting Behaviour of Chimpanzee</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>Comparison Between Genetic Algorithm (GA) and Particle Swarm Optimization (PSO) for Hardware Software Partition in Embedded System</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>Optimal Design of SMPMSM Using Genetic Algorithm Based on Finite Element Model</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>---------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11:15</td>
<td>Photonic Crystal Fiber-Based Surface Plasmon Biosensor for Breast Cancer Detection</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>Performance Evaluation of Optic Disc Detection Using Faster RCNN with Alexnet, Resnet50 and Vgg19 Convolutional Neural Networks</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>Effect of Image Thresholding on the Homogenized Properties of Trabecular Bone Model</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>Non-Contact Heartbeat Detection Using Viterbi Algorithm Based on Distribution of Difference of Two-Adjacent R-R Intervals</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>User Interface Design for Upper Limb Spasticity Smart Diagnosis System</td>
</tr>
<tr>
<td>12:30 – 12:45</td>
<td>Hyperparameter Selection in Deep Learning Model for Classification of Philadelphia-Chromosome Negative Myeloproliferative Neoplasm</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>11:00 – 11:15</td>
<td>Numerical Analysis of the Effect of Pore Size Toward the Performance of Solid Oxide Fuel Cell</td>
</tr>
<tr>
<td>11:15 - 11:30</td>
<td>Power Quality Enhancement in Stand-Alone PV System Using Leaky LMS Adaptive Algorithm</td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>Fitness-Inspired for Mobile Charger</td>
</tr>
<tr>
<td>12:00 - 12:15</td>
<td>Determination of Solar Penetration Through Multi-Objective Optimisation Framework</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>Reliability Impacts of ICT Failures on Synchrophasor Based Dynamic Thermal Rating System</td>
</tr>
<tr>
<td>12:30 - 12:45</td>
<td>Comparison of Total Harmonic Distortion and Common Mode Voltage in Cascaded H-Bridge Multilevel Inverter with Switching Angles Derived Using Non-Iterative Calculation Techniques</td>
</tr>
<tr>
<td>12:45 - 13:00</td>
<td>Comparison of GA and PSO Optimized Switching Angles for 3-Phase 15-Level Asymmetrical Multilevel Inverter</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>14:30 - 14:45</td>
<td>Fast and Memory Efficient Acoustic Identification System Based on Diagonal I-Vector Extraction</td>
</tr>
<tr>
<td>14:45 - 15:00</td>
<td>Boundary Accuracy of Interactive Segmentation Methods on Various Distorted Images</td>
</tr>
<tr>
<td>15:00 - 15:15</td>
<td>Remote Spoken Arabic Digits Recognition Using CNN</td>
</tr>
<tr>
<td>15:15 - 15:30</td>
<td>DE1-SoC FPGA Support for Human Posture Detection System</td>
</tr>
<tr>
<td>15:30 - 15:45</td>
<td>Apply Deep Learning on Chest X-Rays Images for COVID-19 Disease Detection by Using Transfer Learning</td>
</tr>
<tr>
<td>15:45 - 16:00</td>
<td>Comparative Analysis of Image Enhancement Techniques Based on Fundus Image for Diabetic Retinopathy</td>
</tr>
<tr>
<td>16:00 - 16:15</td>
<td>Improved of Morphological Features Visualization for Diabetic Retinopathy Disease by Using Image Enhancement Technique and Optimization Algorithm</td>
</tr>
<tr>
<td>16:15 - 16:30</td>
<td>Analysis on Single-Image Super-Resolution (SISR) Using Dictionary Learning and Sparse Representation Algorithm</td>
</tr>
<tr>
<td>Time</td>
<td>Title</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>14:30 - 14:45</td>
<td>Automatic Honey Bee Queen Presence Detection on Beehive Frames Using Machine Learning</td>
</tr>
<tr>
<td>14:45 - 15:00</td>
<td>Investigation on Face Alignment Factor for Generating Forensic Sketch Using Deep Convolutional Generative Adversarial Network</td>
</tr>
<tr>
<td>15:00 - 15:15</td>
<td>Review on Generative Adversarial Neural Networks (GAN) in Text-To-Image Synthesis</td>
</tr>
<tr>
<td>15:15 - 15:30</td>
<td>Real-Time Mobile Application for Handwritten Digit Recognition Using MobileNet</td>
</tr>
<tr>
<td>15:30 - 15:45</td>
<td>Small Object Detection Based on SSD-ResNeXt101</td>
</tr>
<tr>
<td>15:45 - 16:00</td>
<td>GSM Based Bank Vault Surveillance Process with Finger Print and Password and Preventative Action Against Unauthorized Person</td>
</tr>
<tr>
<td>16:00 - 16:15</td>
<td>Defects Detection Using Complementary Split Ring Resonator</td>
</tr>
</tbody>
</table>
Room C – 6th April 2021 (Session 5) Combined

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:30 - 14:45</td>
<td>Development of Drowning Detection Algorithm for USV</td>
</tr>
<tr>
<td>14:45 - 15:00</td>
<td>Development of Standstill Monitoring System (SMS) for Inhouse Agriculture Product Application</td>
</tr>
<tr>
<td>15:00 - 15:15</td>
<td>Hold Violation Fix with Physical Awareness to Minimize Impact on Congestion</td>
</tr>
<tr>
<td>15:15 - 15:30</td>
<td>Robotic Exoskeleton Safety Compliance, Evaluation Development Tool and Application</td>
</tr>
<tr>
<td>15:30 - 15:45</td>
<td>DenseNet with Atrous Spatial Pyramid Pooling for Skin Lesion Classification</td>
</tr>
<tr>
<td>15:45 - 16:00</td>
<td>A Review on Deep Convolutional Neural Network Architecture for Medical Image Segmentation</td>
</tr>
<tr>
<td>16:00 - 16:15</td>
<td>Segmentation of Tumour Regions for Tubule Formation Assessment on Breast Cancer Histopathology Images</td>
</tr>
</tbody>
</table>
THANK YOU!