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## PROGRAM SCHEDULE – Parallel Session Schedule

### Room 1 (Image Processing, Control and Robotics Session 1)

Wednesday, October 15, 2025, Session Chair: Ts. Dr. Muhammad 'Arif Bin Mohamad

Pg	Times	Paper ID	Titles & Authors
1	14.00 - 14.15	[1571197367]	Hybrid Firefly Algorithm and You Only Look Once v8 Framework (FA-YOLOv8) for Traffic Light Detection <i>Muhammad Adhwa; Muhammad Arif Mohamad; Zalili Musa</i>
7	14.15 - 14.30	[1571179024]	Real-Time People Detection for Automatic Fan Control of Eco Breeze DC Fan <i>Zainah Binti Md Zain</i>
12	14.30 - 14.45	[1571146416]	Zebra Optimization Algorithm for Feature Selection <i>Muhammad Faizan; Muhammad Arif Mohamad</i>
18	14.45 - 15.00	[1571161007]	Facial Expression Recognition with YOLOv11 and YOLOv12: a Comparative Study <i>Umma Aymon; Shazwani Kamarudin; Ahmad Fakhri Ab. Nasir</i>
24	15.00 - 15.15	[1571169696]	A Robust and Secure Image Watermarking Scheme Using DWT-DCT-SVD with Randomized Embedding and Optimization <i>Jessie Ooi; Siau-Chuin Liew; Syifak Binti Izhar Hisham</i>
28	15.15 - 15.30	[1571158348]	Object Tracking Using Particle Swarm Optimization for License Plate Detection <i>Zalili Musa; Nur Afrina Nasuha Mohamed Izeham; Nurul Izzatie Husna Fauzi</i>

### Room 2 (Software Engineering and Knowledge Engineering)

Wednesday, October 15, 2025, Session Chair: Profesor Madya Ts. Dr. Noraziah Binti Ahmad

Pg	Times	Paper ID	Titles
34	14.00 - 14.15	[1571167477]	Experimenting with Metaheuristic Algorithms to Optimize Team Formation Based on Team Formation Contributing Factors in Software Projects <i>Azlina Zainuddin; Kalvin Chen Siew Kit</i>
40	14.15 - 14.30	[1571148231]	A New Usability Testing Model for Business Database Transaction Systems Based on McCall's Quality Model <i>Noraziah Ahmad; Siti Solehah Othman; Roslina Mohd Sidek</i>
46	14.30 - 14.45	[1571153924]	A Two-Phase Adaptive Hybrid SCA-PSO Strategy for Efficient Multi-Task Test Redundancy Reduction <i>Md Abdul Kader; Kamal Zuhairi Zamli; Azizah Mohamad; Md Anis Mojumder</i>
52	14.45 - 15.00	[1571180363]	A Hybrid Metaheuristics One-Parameter-at-a-Time (OPAT) Approach for Pairwise Test Case Generation <i>Muhammad Sabo Yahaya; Ahmad Sobri Hashim; Abdullateef Oluwagbemiga Balogun; Hussaini Mamman; Shamsu Abdullahi; Al'amin Abdulhamid</i>
57	15.00 - 15.15	[1571186456]	Preliminary Study of Brown Bear and Roulette Wheel Brown Bear for Test Redundancy Reduction Optimization Problem <i>Roslina Mohd Sidek; Kamal Zuhairi Zamli; Md Abdul Kader</i>
62	15.15 - 15.30	[1571184865]	A Combination Technique for Requirement Interdependency in Prioritization: A Case Study of Fall Scenario <i>Siti NurSyafiqah Rusli; Rohani Abu Bakar; Siti Suhaila Abdul Hamid; Hasan Kahtan</i>

**Room 4 (IOT, Big Data Analytics and AI Session 2)****Wednesday, October 15, 2025, Session Chair: Ts. Dr. Zuriani Binti Mustaffa**

Pg	Times	Paper ID	Titles
68	14.00 - 14.15	[1571143120]	Exposing Privacy Risks in Depression Classifiers: a Membership Inference Analysis on DAIC-WOZ <i>Hassan Shafei</i>
73	14.15 - 14.30	[1571163427]	Burnout Prediction a Comparative Analysis of Machine Learning and Deep Learning Approaches <i>Nureen Afiqah Mohd Zaini; Nur Syafiqah M.nafis; Suryanti Awang; Putu Harry Gunawan; Mohammed Ahmed Talab</i>
79	14.30 - 14.45	[1571156718]	Optimizing LSTM S2S Models with Evolutionary Mating Algorithm (EMA) for Direct Multi-Step Forecasting of Household Electrical Power Consumption <i>Md Habib Al Mamun; Zuriani Mustaffa; Junaida Sulaiman; Mohd Herwan Sulaiman</i>
85	14.45 - 15.00	[1571166754]	NMF-LSTM Analytical Model for Interpretation and Classification of TripAdvisor Hotel Reviews <i>Albertus Dwiyoga Widiantoro; Ridwan Sanjaya; Bernardinus Harnadi; Usman Ependi; Ahmad Abdul Chamid</i>
91	15.00 - 15.15	[1571167088]	XSS Attack Classification in IoT Network with Machine Learning Algorithm <i>Muhammad Aliff Aiman bin Shahni; Ameerah Muhsinah binti Jamil; Shakirah Saidin; Muhammad Ridhwan bin Ishak</i>
96	15.15 - 15.30	[1571161172]	A Blockchain-Based Conceptual Framework for Real-Time Collision Prevention in Autonomous Vehicle <i>Fasee Ullah; Md Tahmid Ashraf Chowdhury; Hitham Alhussian; Shoaib Ul Hassan; Najmul Haque</i>

**Room 3 (IOT, Big Data Analytics and AI Session 1)****Wednesday, October 15, 2025, Session Chair: Profesor Madya Ts. Dr. Suryanti Binti Awang**

Pg	Times	Paper ID	Titles
102	14.00 - 14.15	[1571143653]	Multistage Ensemble and Deep Learning Pipeline for Early Heart Attack Risk Prediction Using Vital Signs <i>Hani Alnami</i>
108	14.15 - 14.30	[1571149098]	Energy-Efficient Base Station Placement and Optimization in Multi-Hop Wireless Sensor Networks <i>Azammudin Ab. Rahman; Sakib Iqram Hamim; Noor Akma Abu Bakar, Ts; Mohd Hafiz Bin Mohd Hassin</i>
114	14.30 - 14.45	[1571158654]	Applying SVM with One-Vs-Rest Strategy for Multi-Label Classification of Software Requirement in Apps User Reviews <i>Amran Salleh</i>
120	14.45 - 15.00	[1571146399]	Hybrid CNN and LSTM Model for Early Detection of Breast Cancer Using Histopathology Images <i>Suryanti Awang; Bariah Yusob</i>
126	15.00 - 15.15	[1571182613]	Vehicle Type Classification Using Fine-Tuned Resnet-50 CNN for Heavy Vehicles <i>Suryanti Awang</i>
132	15.15 - 15.30	[1571166813]	Comparative Analysis of ESP8266, ESP32, and ESP32-S3 for Smart Speaker-Based Support in Borderline Personality Disorder <i>Ridwan Sanjaya; Andre Kurniawan Pamudji; Wibhowo Christin</i>

**Room 1 (Image Processing, Control and Robotics Session 2)****Wednesday, October 15, 2025, Session Chair: Dr. Mahfuzah Binti Mustafa**

Pg	Times	Paper ID	Titles
138	16.00 - 16.15	[1571186492]	Comparative Analysis of CNN-Based Breast Cancer Classification on Mammogram Images <i>Nor Amizam Jusoh; Zalili Musa; Rohani Abu Bakar</i>
144	16.15 - 16.30	[1571158353]	A PSO-Based Approach for Real-Time Localization of a Moving Node Using RSS Measurements <i>Zalili Musa; Koong Jun Xiang; Rohani Abu Bakar; Riky Dwi Puriyanto</i>
149	16.30 - 16.45	[1571185813]	Solving Optimal Overcurrent Relays' Coordination Problem Using Modified Barnacles Mating Optimizer <i>Arif Fahmi bin Zulaffandi; Noor Zaihah Jamal; Sulastrri Abdul Manap</i>
155	16.45 - 17.00	[1571193801]	A Comparative Study of Web Page Classification Models Using Convolutional Neural Networks and Image-Based Features <i>Siti Hawa Apandi; Jamaludin Sallim; Rozlina Mohamed</i>
160	17.00 - 17.15	[1571169892]	Analysis of Relief Based Algorithm (RBA) for Electromyography (EMG) Signals in the Application of Driver Drowsiness Detection <i>Faradila Naim; Mahfuzah Mustafa</i>
166	17.15 - 17.30	[1571185721]	Non-Player Character Behavior Using Particle Swarm Optimization in the Defend-Attacker Game <i>Bariah Yusob; Tuty Asmawaty Abdul Kadir; Isman Kurniawan; Erwin Budi Setiawan; Gamma Kosala</i>

**Room 2 (IOT, Big Data Analytics and AI Session 3)****Wednesday, October 15, 2025, Session Chair: Ts. Dr. Nur Shazwani Binti Kamarudin**

Pg	Times	Paper ID	Titles
170	16.00 - 16.15	[1571186133]	Freshness Classification of Lady's Fingers Using CNN and Transfer Learning <i>Nur Afrina Nasuha Mohamed Izeham; Putra Sumari; Siti Salwani Yaacob; Noormaizzattul Akmaliza Abdullah; Hairulnizam Mahdin; Hailiza Kamarulhaili</i>
176	16.15 - 16.30	[1571191811]	Improving Match Detection Process in the GCCD Model for C Applications Using Chi-Square Distance <i>Nurul Syafiqah Zaidi; Al-Fahim Mubarak-Ali; Abdul Sahli Fakharudin; Rahiwan Nazar Romli</i>
181	16.30 - 16.45	[1571185337]	Detecting Suicidal Ideation in Text with Interpretable Deep Learning: a CNN-BiGRU with Attention Mechanism <i>Mohaiminul Islam Bhuiyan; Shazwani Kamarudin; Nur Hafieza Ismail</i>
187	16.45 - 17.00	[1571145366]	Sentiment Analysis on YouTube Comments Using Machine Learning Techniques Based on Video Games Content <i>Shazwani Kamarudin; M. Zulfahmi Toh; Nur Syafiqah M.nafis; Mohaiminul Islam Bhuiyan</i>
193	17.00 - 17.15	[1571169887]	Sliding Window-Based Evaluation of Validator Nodes in Blockchain Federated Byzantine Agreement <i>Erdhi Widyarto Nugroho; R Rizal Isnanto; Luhur Bayuaji</i>
198	17.15 - 17.30	[1571175093]	Enhancing Parameterization Process with Protected Access Weightage Value in Generic Code Clone Detection Model for Java Applications <i>Noormaizzattul Akmaliza Abdullah; Mohd Azwan Mohamad; Al-Fahim Mubarak-Ali; Shakirah Saidin; Sitha Gunasegran; Ameerah Muhsinah binti Jamil</i>

**Room 4 (IOT, Big Data Analytics and AI Session 5)****Wednesday, October 15, 2025, Session Chair: Profesor Ts. Dr. Kamal Zuhairi Bin Zamli**

Pg	Times	Paper ID	Titles
204	16.00 - 16.15	[1571146406]	Predicting Machine Failures in Industrial Systems: A Comparative Analysis of AutoML-Based Multiclass Classification Models <i>Abbas Saliimi Lokman; Ummu Kulthum Jamaludin</i>
209	16.15 - 16.30	[1571180605]	A Relay-Based Hybrid PSO Jaya Algorithm for Efficient Test Redundancy Reduction <i>Md Anis Mojumder; Kamal Z Zamli; Md Abdul Kader; Montasir Qasymeh; Mahmoud Mistarihi</i>
214	16.30 - 16.45	[1571156115]	A Comparative Evaluation of Heuristic and Metaheuristic Job Scheduling Algorithms for Optimized Resource Management in Cloud Environments <i>Najmul Haque; Zafril Rizal M Azmi; Saydul Akbar Murad</i>
220	16.45 - 17.00	[1571170242]	Integration of YOLOv4 Architecture into a Mixed Food Price Analysis as an Automated Cashier System <i>Syafiq Fauzi Kamarulzaman; Muhammad Danial Bin Mohamad Rizwan; Lavindar Singh</i>
226	17.00 - 17.15	[1571170816]	A Confined Emergency Intercom System (CEISys) Utilizing MQTT and WebRTC as an Emergency Communication Platform <i>Syafiq Fauzi Kamarulzaman</i>
232	17.15 - 17.30	[1571178790]	Development of Self-Alignment Mobile Robot Using Deep Learning for Visual Feedback and Precise Orientation <i>Nor Ashikin Mazlan; Mohd Razali Daud; Amir Izzani Mohamed</i>

**Room 3 (IOT, Big Data Analytics and AI Session 4)****Wednesday, October 15, 2025, Session Chair: Ts. Dr. Tuty Asmawaty Binti Abdul Kadir**

Pg	Times	Paper ID	Titles
237	16.00 - 16.15	[1571163036]	A Nonlinear Sine Cosine Algorithm Approach to Designing a One-Degree-of-Freedom Sigmoid PID Controller for Automatic Voltage Regulators <i>Islam Ahmed; Mohd Helmi Bin Suid; Mohd Ashraf Ahmad; Salmiah Ahmad; Mohd Falfazli Mat Jusof; Mohd Zaidi Mohd Tumari</i>
243	16.15 - 16.30	[1571169773]	Calibrating a COVID-19 System Dynamics Model with Multi-Country Cases to Enhance Model Validity <i>Aisyah Ibrahim; Tuty Asmawaty Abdul Kadir; Rod MacDonald; Hamdan Daniyal</i>
248	16.30 - 16.45	[1571141406]	Bio-Inspired Swarm Intelligence for Optimized Energy-Efficient Computing in Smart IoT Ecosystems <i>Mohammed Fakhreldin; Fathe Jeribi; Yagoub Abbker Adam; Ahmed Khawaji; Haithm Elhadi; Alfadil Ahmed Hamdan</i>
254	16.45 - 17.00	[1571185547]	A Multilayer Perceptron Approach to Detecting Mental Health Conditions from Music Preferences <i>Nur Hafieza Ismail; Muhammad Al Hafizul Al Holidin; Mohd Nazrul Faiz Md Nasir; Nur Syafiqah M.nafis; Ahmad Fakhri Ab. Nasir</i>
258	17.00 - 17.15	[1571185748]	Multi-Agent Pathfinding Simulation for Evacuation in Dynamic Indoor Environment <i>Nurul Ishafira Ismail; Siti Normaziah Ihsan; Tuty Asmawaty Abdul Kadir</i>
264	17.15 - 17.30	[1571158061]	Deep Learning Approaches to Detect Mental Health Concerns in Cancer Survivors' Social Media Narratives <i>Zaber Al Hassan Ayon; Nur Hafieza Ismail; Shazwani Kamarudin; M. Zulfahmi Toh</i>

**Room 5 (Cyber Security and Privacy)****Thursday, October 16, 2025, Session Chair: Profesor Madya Ts. Dr. Mohd Faizal Bin Ab Razak**

Pg	Times	Paper ID	Titles
270	09.00 - 09.15	[1571185550]	Optimization Techniques for Enhancing Artificial Neural Network Performance in Network Intrusion Detection Using Differential Evolution <i>Muhammad Muhammad Farhan; Ghefin Indra; Farizsyah Razif January; Widya Herry Mulyani; Muhammad Thariq Akmal; Hassan Rizky Putra Sailellah; Rio Guntur Utomo</i>
276	09.15 - 09.30	[1571147452]	A Hybrid GRU-MLP Approach for UPI Fraud Detection in Enhancing Digital Payment Security <i>Shadab Alam</i>
282	09.30 - 09.45	[1571185478]	Integrated Log Management with WAZUH and OPNsense for Mitigating Brute Force Attacks in Cloud Infrastructure <i>Achmad A. Setiawan; Muhamad Irsan</i>
287	09.45 - 10.00	[1571185122]	Integrating Self-Protection into DevSecOps Framework for Defense Against Threat <i>Aditya Dwi Putra Nugraha; Muhamad Irsan</i>
292	10.00 - 10.15	[1571157760]	Network Anomaly Detection for Intrusion Detection Systems Using Q-Learning and Deep Q-Learning: A Reinforcement Learning Approach <i>Adhitama Wichaksono; Parman Sukarno; Aulia Arif Wardana</i>
298	10.15 - 10.30	[1571157766]	Unsupervised Learning Approach for Network Anomaly Detection with Thresholding Reconstruction Error Based on Deep Autoencoder <i>Karin Hagaina Ginting; Parman Sukarno; Aulia Arif Wardana</i>

**Room 4 (Image Processing, Control and Robotics Session 3)****Thursday, October 16, 2025, Session Chair: Dr. Nurul Izzatie Husna Binti Fauzi**

Pg	Times	Paper ID	Titles
304	09.00 - 09.15	[1571153236]	Optimized Semantic Segmentation for Fish Detection Using DeepLabv3 and MobileNetV3 on Resource-Constrained Systems <i>Jonathan Arya Wibowo; Walid Hanif Ataullah; Isa Mulia Insan; Sheina Fathur Rahman; Muhammad Al Makky; Rio Guntur Utomo</i>
310	09.15 - 09.30	[1571186039]	Object Detection Using Midrange Exploration Exploitation Searching Particle Swarm Optimization in Surveillance Challenges <i>Nurul Izzatie Husna Fauzi; Zalili Musa; Nur Afrina Nasuha Mohamed Izeham; Shahrinaz Ismail</i>
315	09.30 - 09.45	[1571170899]	Deep Learning Approach to Yawn Detection in Drivers During Nighttime Driving <i>Mahfuzah Mustafa; Rosdiyana Samad; Nor Rul Hasma Abdullah; Norizam Bin Sulaiman; Nurul Hazlina Noordin</i>
320	09.45 - 10.00	[1571166623]	A Smart Traffic Light Modeling Using AnyLogic Simulation <i>Husnul Ajra; Md. Shohidul Islam; Mazlina Abdul Majid; Noshin Tabassum</i>
326	10.00 - 10.15	[1571174425]	DAFNet-Res: a Hybrid-Attentive Decoder Network with CLAHE-Enhanced Supervision for Retinal Vessel Segmentation <i>Md Mominul Haque; Saipunidzam Mahamad; Suziah Sulaiman; Abdullateef Oluwagbemiga Balogun; Kanneh Momoh</i>
332	10.15 - 10.30	[1571146920]	Video Game Hybrid Recommender System Using Sentiment Analysis of User Reviews <i>Annisa Izzatul Latifa; ZK Abdurahman Baizal</i>

**Room 6 (Image Processing, Control and Robotics Session 4)****Thursday, October 16, 2025, Session Chair: Ts. Dr. Zalili Binti Musa**

Pg	Times	Paper ID	Titles
338	09.00 - 09.15	[1571184262]	Performance Evaluation of Mobile Net V2, VGG19, and MobileNet V3 for Larger Detection of Wheat Rust Disease <i>Zainab Muhammd; Ahmed Kh. Younis</i>
343	09.15 - 09.30	[1571184023]	Accelerating Deep Reinforcement Learning for Mobile Robot Path Planning with Curriculum Learning and Reward Shaping <i>Ting Li; Hazirah Bee Yusof Ali; Mohammed Kazem Chamran</i>
348	09.30 - 09.45	[1571170133]	Balancing DeepFake Detection Using Weighted Loss and Sampling with R3D-18 <i>Derisma; Dodon Yendri; Meza Silvana</i>
353	09.45 - 10.00	[1571170822]	Classification of Kidney Disease from CT Images: A Deep Learning-Based Comparative Analysis <i>Md Nazir Hossain; Emu Bhuiyan; Mohammad Badrul Alam Miah; Suryanti Awang; Md. Safayat Hossain; Tanvir Ahmed Sifat</i>
359	10.00 - 10.15	[1571170823]	AlzCNN: a Custom CNN Architecture for Alzheimer's Stage Detection from MRI Images <i>Md. Safayat Hossain; Most. Jebun Nahar Juthy; Mohammad Badrul Alam Miah; Suryanti Awang; Md Nazir Hossain; Emu Bhuiyan</i>

**Room 1 (IOT, Big Data Analytics and AI Session 6)****Thursday, October 16, 2025, Session Chair: Ts. Dr. Ziti Fariha Binti Mohd Apandi**

Pg	Times	Paper ID	Titles
365	09.00 - 09.15	[1571146906]	Tourist Routes Recommender System in Yogyakarta Using K-Means and Simulated Annealing Algorithm <i>Lulu Maudhuna Alfani; ZK Abdurahman Baizal</i>
370	09.15 - 09.30	[1571143505]	An Integrated IoT and Robotics Framework for Smart Waste Management in Urban Environments <i>Nada Masood Mirza; Adnan Ali; Nura Shifa; Mohamad Khairi Ishak; Mohd Shahrime Mohd Asaari</i>
376	09.30 - 09.45	[1571143507]	Leveraging IoT for Personalized Diabetes Management: Predictive Analytics and Remote Monitoring <i>Nada Masood Mirza</i>
382	09.45 - 10.00	[1571167873]	A Hierarchical Shifted-Window Time Series Transformer for Stock Market Index Price Forecasting <i>Tan Yee Yang; Tan Chye Cheah</i>
388	10.00 - 10.15	[1571168354]	A Tiered Genetic Algorithm Approach for Optimizing Rig Scheduling in Mature Oilfields: Enhancing Efficiency and Sustaining Production <i>Agung Dwi Wahyono; Arta Moro Sundjaja</i>
394	10.15 - 10.30	[1571186131]	Multitask Strategy for Test Redundancy Reduction Optimization <i>Amna Rizwan; Kamal Zuhairi Zamli; Atif Aftab Ahmed Jilani; Muhammad Rizwan Ghori; Zaheer Masood</i>

**Room 2 (IOT, Big Data Analytics and AI Session 7)****Thursday, October 16, 2025, Session Chair: Ts. Dr. Ahmad Fakhri Bin Ab. Nasir**

Pg	Times	Paper ID	Titles
400	09.00 - 09.15	[1571155584]	Machine Learning-Based Classification of Autism Spectrum Disorder from Behavioural Questionnaires <i>Md Nirob Khan; Kohbalan Moorthy; Mohd Arfian Arfian Bin Ismail; Weng Howe Chan</i>
406	09.15 - 09.30	[1571186064]	Arrhythmia Classification in Noisy ECG Using Smoothing-Based Segmentation and Learning Models <i>Ziti Fariha Mohd Apandi</i>
411	09.30 - 09.45	[1571170404]	Controlling Temperature, Humidity, and Monitoring Ammonia Gas in an Android-Based Goat Pen Using Fuzzy Logic Method <i>Desta Yolanda; Rizka Hadelina; Arrya Anandika</i>
417	09.45 - 10.00	[1571153389]	Towards Optimised SORT Tracking Algorithm: Tuning the Feature Extractor Base-Model <i>Ahmad Fakhri Ab. Nasir; Tanveer Kader; M. Zulfahmi Toh; Suryanti Awang; Anwar PP Abdul Majeed</i>
423	10.00 - 10.15	[1571145134]	An IoT-Based Smart Treadmill System Using RFID Authentication and Hall Effect Sensing with HTTP Communication to a Cloud-Hosted Backend <i>Nadya P Simulingga; Hilal Huda; Ikke Dian Oktaviani; Abdi T Talib Abdalla</i>
429	10.15 - 10.30	[1571182662]	Exploring the Influence of Feature Selection Methods for Neural Network Models on Petrochemical Wastewater Data <i>Varun Geetha Mohan; Afrig Aminuddin; Al-Fahim Mubarak-Ali; Mohamed Ariff Ameen; Wan Nurulsafawati Wan Manan; Ku Saimah Binti Ku Ibrahim</i>

**Room 3 (Network and Communication Session 1)****Thursday, October 16, 2025, Session Chair: Ts. Dr. Noorhuzaimi@ Karimah Binti Mohd Noor**

Pg	Times	Paper ID	Titles
435	09.00 - 09.15	[1571180579]	Assessing Load Uncertainty in the Optimal Allocation of Photovoltaic Distributed Generation in Radial Distribution Network <i>Nur Syazana Mohd Sayuti; Norhafidzah Mohd Saad; Muhamad Zahim Sujod; Mohd Shahrin Abu Hanifah; Mohd Ikhwani Muhammad Ridzuan; Mohammad Fadhil Abas</i>
440	09.15 - 09.30	[1571145284]	Backend Module Development and Response Time Analysis on Client Server Communication for Digital Content Reporting Website <i>Ahmad Faiz Fadillah; Hilal Huda; Muhammad Ali Qureshi</i>
446	09.30 - 09.45	[1571157639]	Configuration Analysis for Firewall Implementation with Multi-Level Microsegmentation as Server Protection on Digital Content Reporting Website <i>Fadhillah Maulana; Hilal Huda; Ashik Alam</i>
452	09.45 - 10.00	[1571170068]	Optimal Reactive Power Dispatch (ORPD) Using Flow Direction Algorithm for Transmission Loss Minimization Considering (N-1) Contingencies <i>Nor Rul Hasma Abdullah; Muhammad Irfan Kamarulafiah; Mahaletchumi Maha; Rosdiyana Samad; Mahfuzah Mustafa</i>
458	10.00 - 10.15	[1571169745]	Identification of Security Vulnerabilities of XYZ Website Using Open Web Application Security Project Zed Attack Proxy and Nikto <i>Ajriya Luthfi; Muhamad Irsan</i>

**Room 1 (Image Processing, Control and Robotics Session 5)****Thursday, October 16, 2025, Session Chair: Profesor Madya Dr. Ferda Ernawan**

Pg	Times	Paper ID	Titles
463	11.00 - 11.15	[1571188225]	A Hybrid DWT-DST-SVD Watermarking Scheme with Spread Spectrum Using Robust Image Protection <i>Ari Syafi Adipurnomo; Gelar Budiman; Ledya Novamizanti</i>
469	11.15 - 11.30	[1571162364]	A Block Mapping Strategy for Self-Recovery in Image Watermarking <i>Agit Amrullah; Ferda Ernawan</i>
475	11.30 - 11.45	[1571163002]	<i>Robust Image Watermarking Based on NSST-IWT for Protecting Digital Image</i> <i>Muhammad Afnan Hafidz; Ferda Ernawan; Siti Nur Avivah; Ledya Novamizanti; Mohammed Fakhreldin</i>
481	11.45 - 12.00	[1571185853]	Utilizing Stereo Panning Features in Countering Audio anti-Forensic Activities <i>Thoriq Putra Renaldi; Niken Cahyani; Rimba Whidiana Ciptasari</i>

**Room 4 (IOT, Big Data Analytics and AI Session 10)****Thursday, October 16, 2025, Session Chair: Dr. Noorlin Binti Mohd Ali**

Pg	Times	Paper ID	Titles
485	11.00 - 11.15	[1571169661]	TB Vision: An Integrated AI-Based Mobile and Web Framework for Latent Tuberculosis Infection Screening and Clinical Management <i>Leong Tin Jet; Tan Chye Cheah</i>
491	11.15 - 11.30	[1571154934]	An Embedded Virtual Metrology Tree-Based Model of Machine Learning in Semiconductor Fabrication Application <i>Ya Wei Chen; Shaohua Chang; Eric Chien</i>
497	11.30 - 11.45	[1571145252]	Vision Transformer Model for Metal Surface Defect Classification <i>Ahmad Fakhri Ab. Nasir; Ee Ken-Ji; Shazwani Kamarudin; Nur Hafieza Ismail; Ismail Mohd Khairuddin</i>
503	11.45 - 12.00	[1571147018]	Validation of Enhancement of Information Technology Hardware Support Model Service Towards the Service Quality <i>Azham Ahmad; Adzhar Kamaludin</i>
508	12.00 - 12.15	[1571170876]	Design and Implementation of Real-Time Monitoring System for Bird Tracking Applications <i>Jonathan Arya Wibowo; Muharman Lubis; Rio Guntur Utomo; Walid Hanif Ataullah; Sheina Fathur Rahman; Isa Mulia Insan</i>
514	12.15 - 12.30	[1571196342]	IoT-Enabled Palm Oil Supply Chain Traceability: Exploiting Dual Channel Diversity <i>Muhammad Rizwan Ghori; Kamal Zuhairi Zamli; Amna Rizwan; Zaheer Masood; Zahid Iqbal</i>

**Room 5 (IOT, Big Data Analytics and AI Session 11)****Thursday, October 16, 2025, Session Chair: Ts. Dr. Abdul Sahli Bin Fakhardin**

Pg	Times	Paper ID	Titles
520	11.00 - 11.15	[1571193116]	The Impact of Oversampling Techniques for Severe Class Imbalance in Credit Card Fraud Detection <i>Bima Pramudya Asaddulloh; Afrig Aminuddin; Hesmeralda Rojas Enriquez; Ahmed Adil Nafea; Mohammed Fakhreldin; Ferda Ernawan</i>
526	11.15 - 11.30	[1571193117]	Evaluating Multiple Classification Algorithms for Diabetes Diagnosis and Prediction on an Imbalanced Dataset <i>Muhammad Zein Maulana Akbar; Afrig Aminuddin; Yoga Pristyanto; Sunil Raj Y; Mohammed Fakhreldin; Ferda Ernawan</i>
532	11.30 - 11.45	[1571155977]	NLP and Data Mining for Fake News Detection <i>Ghita Sbai; Yousra Chtouki; Zineb Khachfi</i>
538	11.45 - 12.00	[1571157878]	A Temperature-Sensitive Battery Internal Resistance Model for Accurate SOC Estimation <i>Omer Ali; Mohamad Khairi Ishak; Chia Ai Ooi; Khalid Ammar; Vladimir Tanasiev</i>
543	12.00 - 12.15	[1571186565]	Heart Disease Prediction Using Machine Learning: A Comparative Analysis of Single and Ensemble Models in Healthcare <i>Fatimah Azzahra Binti Mohd Sharifuddin; Abdul Sahli Fakhardin; Al-Fahim Mubarak-Ali; Ziti Fariha Mohd Apandi</i>
548	12.15 - 12.30	[1571185649]	Adaptive Algorithm Selection for Combinatorial Testing: The Relay Hybrid Approach <i>Maslita Abd Aziz; Kamal Z Zamli; Zuriani Mustaffa</i>

**Room 2 (IOT, Big Data Analytics and AI Session 8)****Thursday, October 16, 2025, Session Chair: Ts. Dr. Kohbalan A/L Moorthy**

Pg	Times	Paper ID	Titles
553	11.00 - 11.15	[1571185322]	Estimating Round-Trip Time Using Machine Learning Models: A Comparative Study of SVM, GAM, and Linear Regression <i>Hassan Rizky Putra Sailellah; Gatot Santoso; Setyorini Setyorini</i>
559	11.15 - 11.30	[1571170864]	Evaluating Deep Learning Models Using MediaPipe Features for Sign Language Recognition <i>Ma Xian Xi; Rosdiyana Samad; Nor Rul Hasma Abdullah; Nurul Hazlina Noordin; Mahfuzah Mustafa; Dwi Pebrianti</i>
565	11.30 - 11.45	[1571170649]	Deep Learning Environmental Sound Recognition System for Hearing-Impaired Individuals in Noisy Environments <i>Nur Ayuni Zamri; Rosdiyana Samad; Nor Rul Hasma Abdullah; Nurul Hazlina Noordin; Mahfuzah Mustafa; Dwi Pebrianti</i>
571	11.45 - 12.00	[1571155913]	An Explainable Deep Learning Approach for Multi-Class News Classification <i>Md Raihanul Islam Tomal; Kohbalan Moorthy; Mazlina Abdul Majid; Muhammad Akmal Remli; Agus Pratondo</i>
576	12.00 - 12.15	[1571158066]	Enhancing Financial Sentiment Analysis Using ML Models: A Comparative Study of Balanced vs. Imbalanced Datasets <i>Mahmudul Haque Shakir; Sunipun Seemanta; Riya Das; Md Saef Ullah Miah; Junaida Sulaiman</i>
582	12.15 - 12.30	[1571145334]	DYL-Leaf: A Lightweight Distilled YOLO-Based Model for Plant Leaf Disease Classification <i>Touhid Alam; Abir Bokhtiar; Md Saef Ullah Miah; Junaida Sulaiman</i>

**Room 3 (IOT, Big Data Analytics and AI Session 9)****Thursday, October 16, 2025, Session Chair: Profesor Madya Ts. Dr. Mohd Arfian Bin Ismail**

Pg	Times	Paper ID	Titles
588	11.00 - 11.15	[1571146921]	Pipeline Hybridization of Autoencoder and Singular Value Decomposition for Multi-Criteria Recommender System <i>Atha Ahsan Xavier Haris; ZK Abdurahman Baizal</i>
594	11.15 - 11.30	[1571146987]	TimeSVD++-Based Movie Recommendation Model by Considering Temporal Changes in User Interests <i>Muh. Ghazali; ZK Abdurahman Baizal</i>
600	11.30 - 11.45	[1571148148]	Enhancing Electronic Signature Systems Through Large Language Models for Automated Document Data Extraction <i>Muhammad Isa Al Anshori; Rahmat Yasirandi; Isa Mulia Insan</i>
606	11.45 - 12.00	[1571182475]	Learning Socially Compliant Navigation with a Proxemics-Informed Composite Reward Function <i>Qichao Jiang; Hazirah Bee Yusof Ali; Mohammd Kazem Chamran</i>
611	12.00 - 12.15	[1571153292]	Identifying Distinct Borrower Profiles in University Libraries Using K-Means Clustering: A Case Study of Songkhla Rajabhat University <i>Phuriwat Panich; Sarawut Penchai; Nalinee Inthamano; Seree Chanah; Sasalak Tongkaw</i>
617	12.15 - 12.30	[1571164050]	MonBarta: Deep Dive into Psychological Diagnosis of Mental Health Conversations Using LLM <i>Saidur Rahman Sujon; Ahmadul Karim Chowdhury; Ashek Seum; Anup Kumar Sutradhar; Faisal Muhammad Shah</i>

**Room 6 (Network and Communication Session 2)****Thursday, October 16, 2025, Session Chair: Profesor Madya Ts. Dr. Rohani Binti Abu Bakar**

Pg	Times	Paper ID	Titles
623	11.00 - 11.15	[1571145747]	Dynamic Link Cost Weight Assignment for QoS-Based Routing in SDN <i>Imran Edzereiq Kamarudin; Mohamed Ariff Ameen</i>
628	11.15 - 11.30	[1571159049]	Implementation and Analysis of Embedding and Mapping Cross-Domain Recommendation (EMCDR) on the Amazon Review Dataset <i>Stefhan Salim; Agung Toto Wibowo</i>
634	11.30 - 11.45	[1571161057]	Implementation of Domain-Driven Design to Improve Developer Understandability of Web APIs <i>Alif Taufiqurrahman; Mira Kamia Sabariah; Jati H. Husen; Yijun Lu</i>
640	11.45 - 12.00	[1571072352]	Performance Analysis of Frequency Synthesizers Under Wireless Local Area Network IEEE 802.11 at 5 GHz Band <i>Sanar Ahmed Shehab; Aws Zuheer Yonis</i>
646	12.00 - 12.15	[1571165627]	Efficient Energy Routing in Wireless Sensor Networks with Artificial Intelligence <i>Shireen Bashir Ghanim; Aws Zuheer Yonis</i>
652	12.15 - 12.30	[1571185951]	CSI-Driven Wireless Sensing for Human Presence Detection Using Convolutional Neural Networks <i>Dody Ichwana Putra; Shelvi Ekariani; Arrya Anandika; Nana Sutisna; Omar Fauzi Rahman; Jevon Al Salgus</i>