

# PARALLEL SESSIONS

ICoAIMS2025

**23 May 2025**  
**Parallel 1**  
**Venue: Phoenix Ballroom**  
**Time: 9.00 am – 9.50 am**  
**Chairman: Ts. Dr. Norazaliza binti Mohd Jamil**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
9.00 am	A032	Ts. Dr. Norazaliza binti Mohd Jamil	Dimensional Analysis of the Bergman Minimal Model for Glucose-Insulin Dynamics in Normal and Diabetic Individuals
9.08 am	A017	Mr. Fu'ad Muhammad Mukhtar	Parameters Sensitivity Analysis of Diphtheria-Vaccine-Treatment Model
9.16 am	A023	Ts. Dr. Nor Ain Azeany Binti Mohd Nasir	MHD CuO-MgO-TiO <sub>2</sub> /H <sub>2</sub> O flow and heat transfer over the shrinking surface with second-order slip and non-uniform heat absorption effects
9.24 am	A034	Dr. Jeric Briones	Using Time-Series Anomaly Detection Approach for Identifying Arbitrage Opportunities

**23 May 2025**  
**Parallel 1**  
**Venue: Peacock 1**  
**Time: 9.00 am – 9.50 am**  
**Chairman: Dr. Blessing Ifeoma Obienyem**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
9.00 am	M066	Dr. Blessing Ifeoma Obienyem	Effect of Flipped Classroom Instructional Approach on Geometry Achievement of Students with Different Learning Styles
9.08 am	M075	Dr. Chike Obienyem	Mathematics: An Essential Tool for Interdisciplinary Approaches in Problem-Solving in a Dynamic World of Technology
9.16 am	M077	Mrs. Mary Ann C. Magtulis	Factors Affecting Students' Performance in Calculus II: A Predictive Study
9.24 am	M104	Dr. Amirul Aizad Bin Ahmad Fuad	The Impact and Trends of Flipped Classroom in University-Level Mathematics: A Bibliometric Perspective
9.32 am	D089	Yota Minoshima	Towards a More Detailed Music Genre Classification via Instrument-Based Source Separation
9.40 am	D090	Mr. Atomu Hara	Application and Comparison of Gini Coefficient and Theil Index in Fairness Evaluation of Automated Negotiation

**23 May 2025**  
**Parallel 1**  
**Venue: Swan 3**  
**Time: 9.00 am – 9.50 am**  
**Chairman: Dr. Nurliyana Binti Juhan**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
9.00 am	S037	Dr. Nurliyana Binti Juhan	Exploring Loneliness and Physical Activity in Foundation Program Students: A Cross-Sectional Analysis
9.08 am	S016	Mrs. Syarranur binti Ahmad Zaim @ Mohd Zaim	Forecasting Electricity Demand Using Seasonal ARIMA and Asymmetric GARCH Models: A Case Study for Malaysia
9.16 am	S018	Mrs. Nur Annisa Ezzaty Binti Rusli	Assessing Health-Related Quality of Life Among Elderly Residents of Rumah Ehsan Kuala Kubu Bharu Using EQ-5D-5L
9.24 am	S027	Dr. Syafrina Abdul Halim	Modeling Extreme Rainfall Patterns in Peninsular Malaysia Using Spatial Extreme Value Approaches
9.32 am	S033	Ms. Agnes Ayang Kenyang	Predicting Diabetes Mellitus in Male Patients Using Complete Blood Count Parameters: A Statistical Modelling Approach
9.40 am	S040	Ms. Dg Siti Nurisya Sahirah Binti Ag Isha	Unveiling the Prognostic Role of Complete Blood Count in Mortality Risk Among Renal Disease Patients in Sabah
9.48 am	S156	Dr. Sayed Kushairi Bin Sayed Nordin	The Interaction of Agriculture and Economic Factors in Shaping Emissions: Insights from Southeast Asia Using Panel Quantile Regression

**23 May 2025**  
**Parallel 2**  
**Venue: Phoenix Ballroom**  
**Time: 2.30 pm – 3.20 pm**  
**Chairman: Assoc. Prof. Ts. Dr. Wan Zuki Azman Bin Wan Muhamad**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
2.30 pm	D110	Assoc. Prof. Ts. Dr. Wan Zuki Azman Bin Wan Muhamad ( <i>Invited Speaker</i> )	Comparative Study of MTS-BWOA and MTS-BBOA for Feature Selection
2.38 pm	D014	Dr. Suwimol Jungjit	Two Extensions of Ant Colony Optimization for Multi-Label Correlation-based Feature Selection Method
2.46 pm	D015	Mr. Zhuqin Liang	Pharmaceutical Stocks Prediction Using LSTM Regression
2.54 pm	D088	Mr. Shin Sakakibara	Design and Evaluation of an Automated Negotiation Protocol for Fairness-Oriented Multiparty Profit-Sharing Negotiations
3.02 pm	D035	Assoc. Prof. Dr. Takashi Sakuma	Secure Computation for Multi-Issue Negotiation

**23 May 2025**  
**Parallel 2**  
**Venue: Peacock 1**  
**Time: 2.30 pm – 3.20 pm**  
**Chairman: Dr. Muhamad Hanis bin Mohd Nasir**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
2.30 pm	A186	Dr. Muhamad Hanis bin Mohd Nasir	Modeling the Implications of Awareness Programs on Hypertensive Population
2.38 pm	A190	Prof. Dr. Mikhail A. Sheremet	Mathematical simulation of power-law nanofluid behavior in a finned cooling system for the heat-generating element
2.46 pm	A191	Dr. Iskandar Waini	Similarity Solutions of Williamson Fluid Flow over a Nonlinearly Shrinking Sheet with Variable Surface Temperature
2.54 pm	A197	Ts. Dr. Arif Mandangan	Optimized Image Encryption with Pixel-Splitting and the 2D Logistic Map

**23 May 2025**  
**Parallel 2**  
**Venue: Swan 3**  
**Time: 2.30 pm – 3.20 pm**  
**Chairman: Dr. Siti Afiqah Mohammad**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
2.30 pm	P045	Dr. Siti Afiqah Mohammad	Explicit Computation of Commutator Subgroups in Six-Dimensional Torsion-Free Bieberbach Groups with Quaternion Point Group of Order Eight
2.38 pm	P049	Ms. Nurul Azreen Ardini Binti Mohd Zohan	Classification of Some Classes of Commutative and Associative Two-Dimensional Algebra Structures on $\mathbb{Z}$
2.46 pm	P056	Mr. Benedict M. Estrella	Construction of Almost Difference Sets from Unions of Cyclotomic Classes of Order 18
2.54 pm	P083	Mr. Chika Samson Odiliobi	Coordinate-Wise Integral Constraint Pursuit Game of State-Transition Modelled by Infinite System of Two-Coupled Differential Equations
3.02 pm	P192	Mrs. Masnira Binti Ramli	The Mathematics Behind Tudung Saji Patterns: Exploring Zero-One Matrices and Graph Theory

**23 May 2025**  
**Parallel 3**  
**Venue: Phoenix Ballroom**  
**Time: 4.15 pm – 5.35 pm**  
**Chairman: Dr. Mohammad Zulkarnain Bin Mohammed Ayub**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
4.15 pm	C041	Dr. Mohammad Zulkarnain Bin Mohammed Ayub	Text-Based Emotion Classification: Benchmarking the Performance of CNN Models
4.23 pm	C038	Yuji Shimizu	Computational Complexity of #3-QSAT
4.31 pm	C061	Ms. Claire NC Motiun	A Modified Kauds SOR Iterative Method Based on Bicubic B-spline Approach For The Solution of 2D Elliptic Partial Differential Equations
4.39 pm	C073	Mr. Muhammad Ammad	Efficient manifold evolution algorithm using adaptive B-Spline interpolation
4.47 pm	C121	Mrs. Hendy	Determining the mixed metric dimension of a graph with Binary Gray Wolf Optimizer Algorithm
4.55 pm	C181	Dr. Suzarina Binti Ahmed Sukri	Accelerating Numerical Computation of Second Rank Polarization Tensor with Speeding Up Techniques
5.03 pm	C187	Dr. Yusuf Dauda Jikantoro	An Efficient Hybrid Scheme for the Numerical Solution of Second Order Ordinary Differential Equations
5.11 pm	C201	Ms. Ahlam Aljabali	Insight Into Numerical Solutions and Stability Analysis of Electromagnetic Eyring-Powell Hybrid Nanofluid Flow Over A Permeable Stretching/Shrinking Wedge With Thermal Radiation And Joule Heating

**23 May 2025**  
**Parallel 3**  
**Venue: Peacock 1**  
**Time: 4.15 pm – 5.35 pm**  
**Chairman: Assoc. Prof. Dr. Muhammad Noor-ul-Amin**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
4.15 pm	S057	Assoc. Prof. Dr. Muhammad Noor-ul-Amin	Machine Learning based Parameter-free Adaptive EWMA Control Chart to Monitor Production Process Dispersion
4.23 pm	S043	Dr. Christian Paul Chan Shio	An Analysis of the Robustness of Two-Sample t-tests Using Monte Carlo Simulation
4.31 pm	S055	Dr. Nor Hafizah binti Moslim	Imputing missing values with bootstrap estimation for circular variables
4.39 pm	S059	Ms. Lim Ying Xing	Visualizing Research Trends in Non-stationary Flood Frequency Analysis
4.47 pm	S062	Dr. Asma Arshad	Optimizing Industrial Quality Assurance Using a New Adaptive EWMA Auxiliary Mean Monitoring Control Chart
4.55 pm	S068	Mr. Zaharadeen Abdullahi	Biostatistics Techniques for Handling Missing Data in Medical Research
5.03 pm	S070	Ms. Dyah Setyo Rini	Parameter Estimation and Hypothesis Testing for The Log-Gamma Regression Model
5.11 pm	S071	Ms. Fathin Nafisa	Parameter Estimation and Hypothesis Testing using the Generalized Log-Normal Regression, Case Study of Human Development Index in East Java in 2024
5.19 pm	S079	Ms. Ni Kadek Juliarini	Forecasting Indonesia's Inflation-at-Risk using Vector Autoregression with Exogenous Variables Model
5.27 pm	S128	Dr. Nur-Adib Maspo	Comparative analysis of time series models: LSTM, ARIMA, and FB Prophet for predicting rainfall and streamflow

**23 May 2025**  
**Parallel 3**  
**Venue: Swan 3**  
**Time: 4.15 pm – 5.35 pm**  
**Chairman: Prof. Ts. Dr. Othman Che Puan**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
4.15 pm	E048	Prof. Ts. Dr. Othman Che Puan	Statistical Analysis of Red-Light Violations Across Different Traffic Signal Systems and Operating Conditions
4.23 pm	E095	Ms. Siti Rohaida Mohamed	Prediction and evaluation of surface roughness on ceramic cutting insert during bone cutting
4.31 pm	E026	Ms. Sufinah Binti Dahari	A Case Study on the Digital Transformation of Automated Decision-making in Semiconductor Industry 4.0
4.39 pm	E039	Shinichi Bota	Evaluation of a harmful animal detection method combining techniques for object detection and skeleton estimation
4.47 pm	E050	Ms. Renny Pradina Kusumawardani	Aspect-Based Sentiment Analysis on Homestay Reviews using Unified Generative Framework
4.55 pm	E053	Mr. Kazuma Makino	Toward an open-source prosthesis hand control based on upper-arm myoelectric signals and edge inference with a convolutional neural network model
5.03 pm	E052	Ms. Utano Suzuki	Microstimulation with subthreshold priming of different neuron types in the primary visual cortex: Numerical simulations with biophysics models
5.11 pm	E054	Yuina Terakura	Correlating temporal neural responses to neuromorphic spike-based microstimulation in the primary visual cortex of mice
5.19 pm	E063	Ms. Karin Horiuchi	Deconvolving Neuronal Ensembles from Macroscopic Neural Activities in Voltage-Sensitive Dye Image Streams on Mouse Cerebrum Slices



**24 May 2025**

**Parallel 4**

**Venue: Phoenix Ballroom**

**Time: 9.00 am – 10.20 am**

**Chairman: Assoc. Prof. Dr. Ummul Fahri binti Abdul Rauf**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
9.00 am	S046	Assoc. Prof. Dr. Ummul Fahri binti Abdul Rauf ( <i>Invited Speaker</i> )	Measuring Tail Dependence of Bivariate Extreme Rainfall Events in Peninsular Malaysia Using Copulas
9.08 am	S012	Ts. Syahrizal Salleh	Impact of Rolling Window Sizes on LSTM Forecast Accuracy and Computational Efficiency for BEV Charging Behavior
9.16 am	S117	Assoc. Prof. Dr. Mohd Tahir Ismail	Interaction of Hidden Behaviours and Influencing Factors on Bitcoin Prices Movement via Linear Structural Time Series (STS)
9.24 am	S134	Dr. Nur Azura Binti Noor Azhuan	Optimizing HVAC Systems: A Review of RSM as a Cost-Effective Alternative to BMS
9.32 am	S151	Ms. Jacqueline Low Yun Zhi	Comprehensive Analysis of Industry Demand and Skills on Malaysia's Data Professional Employment Market
9.40 am	S161	Dr. Nurulhuda Ramli	Analysis of Academic Performance using Learning Management System (LMS) Data and Bayesian Network
9.48 am	S163	Ts. Ashraff Ruslan	Uncertainty in Machine Learning: A Conceptual Structure Approach using Biblioshiny
9.56 am	S189	Dr. Nur Balqishanis Binti Zainal Abidin	Empirical Insights Into Artificial Intelligence (AI) Adoption Among Academicians In Malaysian Higher Learning Institutions (HLIs): A PLS-SEM Approach

**24 May 2025**  
**Parallel 4**  
**Venue: Peacock 1**  
**Time: 9.00 am – 10.20 am**  
**Chairman: Ts Dr. Nafrizuan Mat Yahya**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
9.00 am	O067	Ts Dr. Nafrizuan Mat Yahya	Particle Swarm Optimisation Algorithm with Levy Flight and Doppler Effect (PSO-LFDE) on Constraints Optimisation Problem
9.08 am	O028	Ms. Nurul Izwani Ahmad Saidi	Modification Of University Examination Scheduling Model: Elevating Timetabling Communities' Satisfaction
9.16 am	O131	Dr. Dineswary Nadarajan	Assessing Delay in Cargo Vessel Arrival: A Case Study of Westport Malaysia
9.24 am	O011	Dr. Sharifah Aishah binti Syed Ali	Evaluating Zakat Management Efficiency in Malaysia using Data Envelopment Analysis
9.32 am	M082	Dr. Sarimah Surianshah	Analysing KAP on STEM education production model in Sabah, Malaysia
9.40 am	M139	Ms. Lim Yi Wei	Exploring Growth Mindset and Mathematics Achievement Using Quantile Regression: A study in Malaysia

**24 May 2025**  
**Parallel 4**  
**Venue: Swan 3**  
**Time: 9.00 am – 10.20 am**  
**Chairman: Dr. Amirul Aizad bin Ahmad Fuad**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
9.00 am	D188	Dr. Amirul Aizad bin Ahmad Fuad	Bibliometric Analysis of Machine Learning Applications In EEG For Epileptic Seizure Diagnosis Using Biblioshiny: Trends And Conceptual Structures
9.08 am	D031	Dr. Mohd Fariduddin Mukhtar	Network-Based Analysis of Paddy Supply Chains: Identifying Critical Nodes for Improved Efficiency
9.16 am	D155	Mr. Muhammad Syafiq Bin Abdul Wahab	Forecasting of Electricity Demand using Long-Short Term Memory (LSTM)
9.24 am	D177	Ms. Nur Atiqah Binti Mustapa	Bibliometric Analysis of Bat Algorithm for Feature Selection
9.32 am	D199	Mrs. Intan Azlin Idris	Predictive Analytics Applications in Smart Bus System: A Systematic Literature Review of Challenges and Opportunities in Malaysia
9.40 am	D207	Prof. Dr. Aleta C. Fabregas	Rivercast: Forecasting Marikina River Level Using Auto-Regressive Transformer with Kernel Pca And Euclidean Kernel
9.48 am	D208	Mr. Ryan P. Villalon	Blood Reserve Recommender and Mapping System
9.56 am	D210	Mr. Marc Lester Acunin	Queenapp: A Decision-Support Production Scheduling Systems Toward Improved Pineapple Farming
10.04 am	D220	Ms. Jonabelle B. Labapie	Adoption of Large Language Model in Public Assistance for Local Government Services

**24 May 2025**  
**Parallel 5**  
**Venue: Phoenix Ballroom**  
**Time: 11.15 am – 12.45 pm**  
**Chairman: Dr. Najiyah Safwa Binti Khashi'ie**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
11.15 am	A105	Dr. Najiyah Safwa Binti Khashi'ie ( <i>Invited Speaker</i> )	Magnetohydrodynamics (MHD) Flow and Heat Transfer of Tetra Nanofluid over a Convectively Heated Shrinking Disk
11.23 am	A030	Dr. Najiyah Safwa Binti Khashi'ie	Response Surface Methodology (RSM) and Sensitivity Analysis of the Ternary Hybrid Nanofluid Flow Past a Permeable Cylinder
11.31 am	A044	Mr. Franz Christian Guico	Identifying Philippine Firms' Suspicious Taxpaying Behaviour Using Machine Learning Methods
11.39 am	A072	Dr. Mohd Norfadli Bin Suardi	Enhanced iterative solution for diffusion problems using Two Newly Redlich-Kister Finite Difference and Half-sweep Kaudu Successive Over Relaxation.
11.47 am	A100	Mrs. Maryam Abdullah Alharbi	Mathematical Modelling of Surface Elastic Waves Propagating in an Isotropic Half-Space along a Cylindrical Cavity
11.55 am	A101	Dr. Tay Chai Jian	Bifurcation Analysis of Temperature Effects in Lake Eutrophication
12.03 pm	A106	Ms. Fatimah Ihza Aulia	Mathematical Modelling of Sustainable Development Goals Indicators in Indonesia
12.11 pm	A112	Mr. Mohamad Riduan Hashim	Analytical solution of MHD Casson fluid flow in vertical channel with the effect of suction
12.19 pm	A180	Dr. Noorehan Yaacob	The Numerical Simulations of Ligand Diffusion Towards Invadopodia Formation

**24 May 2025**  
**Parallel 5**  
**Venue: Peacock 1**  
**Time: 11.15 am – 12.45 pm**  
**Chairman: Ts. Dr. Beh Woan Lin**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
11.15 am	D143	Ts. Dr. Beh Woan Lin	Comparative Analysis of Similarity Measures in Vibration Analysis: Addressing Real-World Data Challenges
11.23 am	D094	Ms. Kartika Nur Rahma	Interpreting Random Survival Forest Using SurvSHAP(t) for Patients with Complementary Therapy at Nur Hidayah Hospital, Bantul, Yogyakarta
11.31 am	D098	Ms. Saffanah Karimah	Revised Fuzzy C-Means Clustering for EEG-Based Depression Severity Clustering in Evaluating Mindfulness Therapy Effects
11.39 am	D103	Ms. Nur Atheera Binti Mohd Hassan	Chest X-Rays Based Lung Disease Classification: A Review of Deep Learning Approaches
11.47 am	D108	Ms. Syarifah Diana Permai	Bayesian Neural Networks to Predict the Poverty Rate in Indonesia
11.55 am	D137	Mr. Linggar Tembus Nusantara	Hybrid Models with Convolutional Layers for Railway Passenger Flow Forecasting
12.03 pm	D150	Mr. Aka Arinda BASc	Enhancing Propensity Model from Stacking Ensemble Machine Learning for Target Customers Marketing Analysis
12.11 pm	D152	Mochammad Reyhan Mauluddi	Multi-stage Prompting Large Language Model for Recommendation System of Top Brand Award
12.19 pm	D176	Ms. Indah Manfaati Nur	A Hybrid Approach for Diabetes Prediction: Leveraging KNN with RM-SMOTE for Imbalanced Data

**24 May 2025**  
**Parallel 5**  
**Venue: Swan 3**  
**Time: 11.15 am – 12.45 pm**  
**Chairman: Dr. Nurul Amira Zainal**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
11.15 am	A058	Dr. Nurul Amira Zainal ( <i>Invited Speaker</i> )	Analysis of Couple Stress Hybrid Nanofluids with Convective Boundary Condition
11.23 am	A124	Dr. Nur Adilah Liyana Binti Hj Aladdin	Response Surface Methodology (RSM) and Dual Solution on Stagnation Hybrid Carbon Nanotubes Flow over as Permeable Stretching/Shrinking Cylinder in Presence of MHD and Joule Heating
11.31 am	A130	Mr. Amir Farhan bin Mohammad Zamri	Magnetohydrodynamic Mixed Convection Analysis on the Open Enclosure in a Horizontal Channel with Partial Bottom Heating
11.39 am	A133	Mrs. Ari Kusumastuti	A System of Biologycal Mark-up Language for Protein-Protein Interactions within Mathematical Model of Distranslocation of GLUT4 in Muscle
11.47 am	A136	Dr. Noor Syazwana Binti Abd Aziz	Validation Mathematical Model of Parachute Landing Fall Technique using Runge-Kutta Fourth Order Method
11.55 am	A144	Dr. Nur Syazana Anuar	Heat Transfer Analysis on Thin Film Flow in MHD Ternary Nanofluid over an Unsteady Stretching Sheet with Radiation Effect
12.03 pm	A158	Dr. Nurul Syuhada binti Ismail	Effect of Nanoparticle Shape on Melting Heat Transfer in Hybrid Nanofluid Flow at Stagnation Points
12.11 pm	A165	Annisa Rahmita Soemarsono	Fuzzy Logic Control on a Ship-Mounted Two-DoF Manipulator System
12.19 pm	A166	Dr. Nurfarhana Hassan	A Fuzzy Graph Approach for Analysis of Climate Patterns and Their Regional Variability
12.27 pm	A167	Ms. Belgis Ainatul Iza	Trajectory Control of a Delivery Quadcopter using Self-Tuning Fuzzy-PID and Extended Kalman Filter
12.35 pm	A173	Dr. Muhammad Khairul Anuar Mohamed	Natural Convection past a Horizontal Circular Cylinder immersed in Al <sub>2</sub> O <sub>3</sub> -Cu-Ag/Water Ternary Hybrid Nanofluid with Viscous Dissipation Effect
12.43 pm	A178	Assoc. Prof. Dr. Norhayati Rosli	Deterministic and Stochastic Model for the Effect of Thymoquinone on Oral Squamous Carcinoma Cell Lines (HSC-4)

**24 May 2025**

**Parallel 6**

**Venue: Phoenix Ballroom**

**Time: 2.00 pm – 3.15 pm**

**Chairman: Ms. Chee Jia Ning**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
2.00 pm	E119	Ms. Chee Jia Ning	Integrating SNMPv3 with RYU SDN Controller: A Comprehensive Analysis of Security Enhancements and Performance Impacts in Software-Defined Network Topologies
2.08 pm	E120	Dr. Irwanbudiana Amsah	Improvement of Vehicle Dynamic Model and Control using Decoupling Transformations for All-Terrain Vehicles (ATVs)
2.16 pm	E123	Mr. Andrew Chee Zhi Yuen	Comparative Analysis of Simple Network Management Protocol version 3 (SNMPv3) Integration in OpenDaylight and RYU SDN Controllers for Mesh Network Topology
2.24 pm	E154	Assoc. Prof. Ir. Dr. Mohd Khaidir bin Abu Talib	Evaluating the Impact of Soil Nailing on Slope Stability: Insights from Multiple Regression Analysis
2.32 pm	E200	Assoc. Prof. Ts. Dr. Ong Huei Ruey	Enhanced Mechanical Properties of Ethylene-Vinyl Acetate Composites via Recycled Tire Powder Reinforcement
2.40 pm	E019	Ms. Nurul Amira Shazwani Binti Zainuddin	Preparation and Ion Conductivity of Comb-Shaped Polymer Electrolyte Composed of PEO and PDMS
2.48 pm	E172	Dr. Abdelbaki Benamor	Correlation of Density, Viscosity and Thermodynamic Properties of MDEA - L-Arginine Blend Solvents for CO2 Capture Using Artificial Intelligence

**24 May 2025**  
**Parallel 6**  
**Venue: Peacock 1**  
**Time: 2.00 pm – 3.15 pm**  
**Chairman: Prof. Dr. Alex Gonzaga**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
2.00 pm	S125	Prof. Dr. Alex Gonzaga	A GARMAX Model for Cyclical Long-memory with Exogenous Effects: A Whittle-based Bayesian Estimation Approach
2.08 pm	S080	Mr. Muhammad Rizal	Mixed-Data Sampling Quantile Regression (MIDAS-QR) for Nowcasting Indonesia's Economic Growth-at-Risk of Non-Oil and Gas Processing Industry Sector
2.16 pm	S087	Mrs. Wong Hui Shein	Hybrid Indicator Saturation and Machine Learning for Outliers Detection and Volatility Forecasting
2.24 pm	S102	Dr. Manoj Kumar	Comparative Study of Estimators Based Upon Adjusted Coefficient Of Determination In Linear Regression Model
2.32 pm	S206	Mrs. Siti Aishah Tsamienah Taib	Tourism Demand Forecasting in Malaysia using SARIMA and Long Short-Term Memory (LSTM) Model
2.40 pm	S217	Mr. Muhammad Nur Alif Lazim	Forecasting MYR/USD Exchange Rates using Box-Jenkins Model



**24 May 2025**  
**Parallel 6**  
**Venue: Swan 3**  
**Time: 2.00 pm – 3.15 pm**  
**Chairman: Dr. Nur Idayu Binti Alimon**

<b>Time</b>	<b>Paper ID</b>	<b>Speaker</b>	<b>Title</b>
2.00 pm	P148	Dr. Nur Idayu Binti Alimon	The g-noncommuting graph of some finite groups and their Randic index
2.08 pm	P020	Dr. Ekkasit Sangwisut	The Irrationality of Square Root Expressions Involving Products of Distinct Primes Using Continuants
2.16 pm	P096	Ms. Annie Lyn O. Yusiong	Solving indefinite least-norm linear systems using permuted hyperbolic rotations
2.24 pm	P097	Ms. Tan Joe Yee	Non-Existence of Integer Solutions for a Diophantine Equation Involving Two Identical Prime Numbers
2.32 pm	P142	Mrs. Fatin Hanani binti Hasan	Automorphisms of Finite Cyclic Group for Generator of 2
2.40 pm	P157	Dr. Nabilah Fikriah Binti Rahin	The General Form of the Non-Normal Cyclic Subgroup Graph of Dihedral Groups and Its Incidence Matrix
2.48 pm	P159	Ms. Noor Jamalina Mohd Jamal	Fuzzy z-hesitant aggregation operators in solving decision making problems