DETAILS OF PARALLEL SESSIONS



SESSION 1 : 14:00 - 15.30

ROOM A – APPLIED MATHEMATICS

Time	Presenter	Paper ID	Title
14:00	Dr. Iskandar Waini	A018	Flow and Thermal Characteristics of Couple Stress Fluid Over a Stretching Surface with Hybrid Nanoparticles
14:15	Mr. Kho Yap Bing	A009	Unsteady Hiemenz Flow of Cu-SiO2 Hybrid Nanofluid with Heat Generation/Absorption
14:30	Dr. Nor Ain Azeany Mohd Nasir	A012	Numerical Solution of EMHD GO-Fe ₃ O ₄ /H ₂ O Flow and Heat Transfer over Moving Surface with Thermal Radiation and Heat Absorption/Generation Impacts
14:45	Mr. Wan Muhammad Hilmi Wan Rosli	A017	Convective Boundary Layer Flow of Williamson Hybrid Ferrofluid over a Moving Flat Plate with Viscous Dissipation
15:00	Mr. Mohd Usran Alibubin	A030	Implementation of the KSOR Method for Solving One- Dimensional Time-Fractional Parabolic Partial Differential Equations with the Caputo Finite Difference Scheme
15:15	Ms. Siti Nurul Aifa Mohd Zainul Abidin	A019	Mathematical Analysis of Unsteady Solute Dispersion in Herschel-Bulkley Fluid with Interphase Mass Transfer

ROOM B – COMPUTATIONAL MATHEMATICS

Time	Presenter	Paper ID	Title
14:00	Dr. Suzelawati Zenian	C012	Contrast Enhancement Technique for fEEG Image using Interval-Valued Type2 Fuzzy Sets
14:15	Ts. Rechard Lee	C014	Single-image Non-Blind Motion Deblurring Based on Integrated Structural Edges Enhancement
14:30	Dr. Suzelawati Zenian	C013	Fuzzy Logic-Based Techniques for Contrast Enhancement
14:45	Mr. Ahmad Abubakar Umar	C010	Convergence and Order of the Extended 2-Point Super Class Block Backward Differentiation Formula with Off- Step Points for Solving Stiff IVPs
15:00	Mr. Mohamed Faris Laham	A028	Jumps-Diffusion Modeling for Stock Price Data

ROOM C – OPERATIONAL RESEARCH & ENGINEERING AND INDUSTRIAL APPLICATION

Time	Presenter	Paper ID	Title
14:00	Dr. Gopalakrishnan Soundararajan	O001	SMEs Supply Chain Management Practice: A Study Focus in Oman
14:15	Ms. Cristina Bianca Mallari	O005	Assessing the Optimality of a Three-Part Pricing Policy for an Asset-Sharing Platform in the Philippines
14:30	Ts. Dr. Fazilatulaili Ali	O003	Selection of the Best Students' Leader in UPNM using Analytic Hierarchy Process (AHP) Method
14:45	Ms. Hongtao Zhu	O006	Optimising Layout of an Left-Turn Bypass Intersection under Mixed Traffic Flow: A Case Study in Pulau Pinang, Malaysia
15:00	Dr. Aminah Ahmad	G004	Microfiber Optical Sensor Analysis Via Sodium Hypochlorite Concentration Sensing Application by Different Wavelength of Light Source
15:15	Dr. Aminah Ahmad	G005	Cooperative Study for Power Spectral Towards Different Sizes Taper Optical Microfiber for Sensing Purpose

ROOM D – STATISTICS

Time	Presenter	Paper ID	Title
14:00	Dr. Muhammad Jaffri Mohd Nasir	S001	Adaptive LASSO with Coordinate Gradient Descent Algorithm for M-BEKK-ARCH (q)
14:15	Dr. Siti Rohani Mohd Nor	S019	Modelling and Forecasting the COVID-19 Mortality Rates in Malaysia by using ARIMA Model
14:30	Mrs. Siti Aishah @ Tsamienah binti Taib	S010	The Implementation of Long-Short Term Memory in Tourism Industry in Malaysia
14:45	Mr. Muhammad Naeim Mohd Aris	S024	Developing New Covariance Function of Gaussian Process Regression for Modelling Marine Controlled- Source Electromagnetic Data
15:00	Dr. Noryanti Muhammad	S012	Predictive Modelling on Competitor Analysis Performance by using Generalised Linear Models and Machine Learning Approach

ROOM A – STATISTICS

Time	Presenter	Paper ID	Title
16:00	Dr. Adie Safian Ton	S016	Hanning's Performance in 4253HT Smoother on Four
	Mohamed		Signals of Different Noise Levels
16:15	Dr. Siti Mariam	S020	Climate and Teen Mortality: Exploring the Linkages
10.15	Norrulashikin	0020	Chimate and Teen Monality. Exploring the Linkages
16:30	Dr. Adie Safian Ton	S017	Integration of 4253HT Smoother using Holt-Winters
10.30	Mohamed	5017	Forecasting Model on Short-Term Electricity Data
16:45	Dr. Adie Safian Ton	S018	Modifications of 4253HT Smoother in Extracting Signal
10.45	Mohamed	3010	from Noise
17:00	Mrs. Nur Syahirah Zulkipli	S022	Abnormalities Detection in Apert Syndrome using
17.00			Hierarchical Clustering Algorithms
17:15	Dr. Sarimah Surianshah	S027	The Effect of Green Technology Policy on Climate
17.15	Dr. Sarimah Surianshah	3027	Change Awareness of Youth in Sabah, Malaysia

ROOM B – DATA SCIENCE & STATISTICS

Time	Presenter	Paper ID	Title
16:00	Dr Aisyah Mat Jasin	D013	Predictive Analytics of Train Delays using Facebook Prophet
16:15	Dr. Alabi Waheed Banjoko	D010	A Sequential-Based Optimization Algorithm for Efficient Feature Selection and Classification in Big Data Analysis
16:30	Assoc. Prof. Dr. Shamshuritawati Sharif	S021	Performance Evaluation of Hierarchical Clustering Algorithm using Simulated Data
16:45	Dr. Amala Nirmal Doss	D012	Tadakhul – An Online Platform for Integrating Learning Analytics with MOOC Through Data Mining
17:00	Dr. Abubakar Usman	S008	Assessing the Survival Time and Prognostic Factors for Cervical Cancer: A Case Study of National Hospital Abuja, Nigeria
17:15	Dr. Yisa Yakubu	S002	Comparison of Prediction Variance Performance for Variations of Response Surface Designs in the Presence of Missing Observations

ROOM C – APPLIED MATHEMATICS

Time	Presenter	Paper ID	Title
16:00	Dr. Najiyah Safwa Khashi'ie	A001	Response Surface Methodology of the Unsteady Axisymmetric Magnetic Hybrid Nanofluid Flow Subject to a Shrinking Disk
16:15	Dr. Nurul Amira Zainal	A005	Stability Analysis of Unsteady Flow and Heat Transfer of Rear Stagnation Point in Hybrid Nanofluids with Magnetic Impact
16:30	Mr. Tijjani Lawal Hassan	A025	A Comparative Analysis on Single and Two Phase Casson Fluid under Aligned Magnetic Field Effect and Newtonian Heating
16:45	Dr. Nurul Amira Zainal	A004	Analysis of Solution Stability in Al ₂ O ₃ -Cu/H ₂ O Over a Stretching/Shrinking Wedge
17:00	Ms. Siti Hanani Mat Yasin	A029	Micropolar Ferrofluid Flow and Heat Transfer at the Stagnation Point on a Horizontal Flat Plate in the Presence of Magnetic Field and Thermal Radiation
17:15	Mrs. Farahanie Fauzi	A039	The Thematic Review on Convective Heat Transfer of Nanofluid over Horizontal Circular Cylinder

ROOM D – APPLIED MATHEMATICS

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Time	Presenter	Paper ID	Title
16:00	Ts. Dr. Khairum Hamzah	A002	Stress Intensity Factors for Thermoelectric Bonded Materials Weakened by an Inclined Crack
16:15	Mr. Muhammad Haziq Iqmal Mohd Nordin	A003	Numerical Solution for a Curvilinear Crack Phenomenon in Thermoelectric Bonded Materials Subjected to Mechanical Loadings
16:30	Dr. Paul Timothy Lim	A011	Information Dynamics of a Two-Candidate Election Campaign
16:45	Ms. Anis Sulaikha Samiun	A006	Solitons in a One-Dimensional Discrete System with External Potential
17:00	Ms. Siti Nabilah Yusof	A008	A Novel Condition in Ensuring the Security of a Proposed Bivariate Polynomial Reconstruction Problem Cryptosystem
17:15	Mrs. Kamilah Abdullah	A040	Novel Weak Multivariate Quadratic Structures Detected within Macaulay Matrix

SESSION 3 : 10:30 - 13.00

ROOM A – PURE MATHEMATICS

Time	Presenter	Paper ID	Title
10:30	Professor Dr. Nor Haniza Sarmin	P002	Sombor Index and Sombor Polynomial of the Non- Aommuting Graph Associated to Some Finite Groups
10:45	Mrs. Fozaiyah Ayed Alhubairah	P003	The Topological Indices of the <i>p</i> -Subgroup Graph of Dihedral Groups
11:00	Mrs. Alshammari Maryam Fahd A	P005	The Power Cayley Graph for Dihedral Groups of Certain Order
11:15	Ms. Nur Atikah Aziz	P007	Optimising Diabetes Cupping Point from View of Graph Colouring
11:30	Mrs. Nooradelena Mohd Ruslim	P008	Characterize Type of Splicing Languages via Directed Splicing Graph
11:45	Ms. Siti Hajar Mohd Khairuddin	P010	Classification of <i>n</i> -th Order Limit Language in Formal Language Classes
12:00	Mrs. Masnira Ramli	P011	Review on Pattern Recognition: Image Processing of Tudung Saji Pattern into Zero-One Matrix
12:15	Dr. Siti Norziahidayu Amzee Zamri	P012	Some Energy of a Line Graph of Prime Graph
12:30	Dr. Musthafa Ibrahim	P013	(p,q)-Chebyshev Polynomial and Their Applications to a Certain Family of Bi-Univalent Functions of Sălăgean Differential Operator

ROOM B – STATISTICS & DATA SCIENCE

Time	Presenter	Paper ID	Title
10:30	Professor Ts. Dr. Mohd Rashid Ab Hamid	S011	Multivariate Analysis using Maximum Likelihood and Partial Least Squares Technique in Model Estimation: Robustness of Parameter Estimates
10:45	Dr. Clark Kendrick Go	D005	Modeling Pooled Procurement of Philippine Department of Health Drugs and Medicines using Regression
11:00	Ms. Naqibah Aminuddin Jafry	S014	Modeling the Dependency Structure of Four- Dimensional Flood Variables using the Copula Approach
11:15	Dr. Clark Kendrick Go	D006	Dynamic Portfolio Optimization According to Market States and Diversification using Hierarchical Clustering
11:30	Dr. Clark Kendrick Go	D008	What do Filipino Children Eat: Applying Market Basket Analysis on the Meals of School-aged Children in the Philippines
11:45	Mrs. Iszuanie Syafidza Che Ilias	S028	Comparison Between Parametric and Nonparametric Estimation for Annual Precipitation in Kuala Lumpur
12:00	Mr. Carlo Gabriel Pastor	D004	Applying XGBoost, Neural Networks, and Oversampling in the Undernutrition Classification of School-Aged Children in the Philippines
12:15	Mr. Joachim Regalado	D007	Binary Classification of Glomeruli using Convolutional Neural Networks
12:30	Mr. Nahamizun Maamor	D011	A Comparative Study on the Performance of Covariance Functions in Gaussian Process Regression Model: Application to Global Wheat Price
12:45	Dr. Sayed Kushairi Sayed Nordin	S005	Testing Environmental Kuznets Curve (EKC) Hypothesis in ASEAN Countries: Evidence Based on STIRPAT Framework with Cross-Sectional Dependency

ROOM C – ENGINEERING AND INDUSTRIAL APPLICATION & MATHEMATICS EDUCATION

Time	Presenter	Paper ID	Title
10:30	Dr. Siti Aisyah Tumiran	G010	Modularity Density Based-Edge Betweenness Method for Catchment Classification in a Small Region
10:45	Ms. Sufinah Dahari	G002	Robust Control Chart Application in Semiconductor Manufacturing Process
11:00	Ms. Sufinah Dahari	G003	Modified Levey-Jennings Chart with Robust Estimator: A Case of Semiconductor Manufacturing Process
11:15	Mr. Mohd Ikhsan Md Raus	G007	Sirs Case Study – Idle Processing QoS Studies RDBMS
11:30	Mr. Musa Yusup Lada	G008	Evaluation of Conventional Inverter and Multilevel Inverter in Shunt Active Power Filter
11:45	Mr. Wan Mohd Eqhwan Iskandar Wan Saiful Bahri	G009	Impact Properties of Ground Rubber Powder/Polyethylene Composite
12:00	Professor Teoh Sian Hoon	E004	The Relationship between Achievement Goal Orientation and Academic Buoyancy in Mathematics among Felda Secondary School Students: Implications for Workforce Skills
12:15	Dr. Roselah Osman	E002	Images of Mathematics Held by Indigenous Primary School Pupils
12:30	Dr. Mohd Rustam Mohd Rameli	E003	Relationship between Self-regulated Learning with Academic Buoyancy: A Case Study among Malaysia FELDA Secondary School Students
12:45	Mrs. Nur Raidah Salim	E005	Motivated Strategies for Learning and Students' Expectation on Learning Analytics: A Person-Centered Approach

ROOM D – APPLIED MATHEMATICS

Time	Presenter	Paper ID	Title
10:30	Dr. Anuar Jamaludin	A043	Impact of Thermal Radiation, Joule Heating and Thermal Slip on MHD Hybrid Nanofluid Flow
10:45	Mrs. Masyfu'ah Mokhtar	A037	Combined Convective Transport of Williamson Hybrid Nanofluid over a Shrinking Sheet
11:00	Ts. Ahlam Aljabali	A035	Eyring-Powell Hybrid Nanofluid with Radiative Heat Flux: Case over a Shrinking Sheet
11:15	Dr. Muhammad Khairul Anuar Mohamed	A038	MHD Natural Convection Flow of Casson Ferrofluid over a Vertical Truncated Cone
11:30	Ms. Dhia Azeem Khairil Anwar	A020	Numerical Solution of Falkner-Skan Equation for a Moving Wedge in Hybrid Nanofluids
11:45	Ms. Nur Aisyah Aminuddin	A007	Analysis of GO-MoS2/EG Transportation in Stagnation Point Flow and Heat Transfer over Moving Surface
12:00	Dr. Ahmad Qushairi Mohamad	A042	Mathematical Solutions of Free Convection Flow of Casson Fluid in Channel with Accelerated Plate
12:15	Dr. Noor Azzah Awang	A015	Rough Neutrosophic Shapley Weighted Einstein Averaging Aggregation Operator and its Application in Multi-Criteria Decision-Making Problem
12:30	Dr. Hazwani Hashim	A016	Bipolar Neutrosophic Dombi Shapley Weighted Average Aggregation Operator and Its Application in Decision-Making Problem

SESSION 4 : 14:00 - 15.30

ROOM B – COMPUTATIONAL MATHEMATICS

Time	Presenter	Paper ID	Title
14:00	Assoc. Prof. Dr Ibrahima Faye	C004	Artificial Neural Networks Solutions of Differential Equations: A Focus and an Example for Flow of Viscoelastic Fluid with Microrotation
14:15	Mr. Abdul Rahman Farhan Sabdin	C011	Multistep Reduced Differential Transform Method in Solving Nonlinear Schrodinger Equations
14:30	Assoc. Prof. Dr. Ahmad Lutfi Amri Ramli	C007	Comparison of Geometric-based Travel Time Prediction between Cars and Trucks
14:45	Dr. Nadirah Mohd Nasir	C005	Numerical Computation for Solving Multipoint Boundary Value Problems using Direct Multistep Block Method
15:00	Dr. Jackel Vui Lung Chew	C008	Modified Fractional Explicit Group with SOR Iterative Method for Nonlinear Fractional Diffusion in a Porous Medium
15:15	Dr. Suliman Khan	C015	On Numerical Computation of Oscillatory Bessel and Hankel Integrals

ROOM C – OPERATIONAL RESEARCH

Time	Presenter	Paper ID	Title
14:00	Dr. Ruzanna Mat Jusoh	O007	Preliminary Study: A Principal Component Analysis- Based Approach for Link Selection in Traffic Monitoring
14:15	Mrs. Nur Sabrina Mansor	O008	A Review on School Network Problem with Zone Dependent Fixed Cost and Inventory Cost
14:30	Mrs. Syazwani Zainal Abidin	O009	Decision Making Support in Vehicle Routing Problems: A Review of Recent Literatures
14:45	Ms. Nurul Akmal Mohamed Ramli	O011	A Hybrid PRP-DY Conjugate Gradient with Strong Wolfe-Powell Line Search for Solving Unconstrained Optimization Problem
15:00	Mr. Muhammad Akram Ramadhan Ibrahim	O010	A Trade-Off Ranking Method: Case of Extreme Solutions Redundancy

ROOM D – APPLIED MATHEMATICS

Time	Presenter	Paper ID	Title
14:00	Dr. Hafizah Bahaludin	A041	Analyzing Malaysian Technology Sector during COVID-19: A Minimum Spanning Tree Approach
14:15	Mrs. Nur Syahidah Nordin	A036	The Mathematical Model of Reiner-Philippoff Embedded with Al ₂ O ₃ and Cu Particles over a Shrinking Sheet with Mixed Convection and Mass Flux Effect
14:30	Dr. Nurul Anis Abdul Satar	A024	Performance of Linear and Stochastic Cell-Growth Model of Ductal Carcinoma In Situ (DCIS)
14:45	Mr. Graygorry Brayone Ekal	A032	Numerical Solution of the Porous Medium Equation with Source Terms using the Four-Point Newton- EGKSOR Iterative Method Combined with Wave Variable Transformation
15:00	Mr. Jethro Cullen Sia	A010	Validity of Asset Pricing Models in the Philippine Stock Exchange
15:15	Dr. Siti Aisyah Tumiran	A034	Community Detection using Modularity Optimization Method for Catchment Classification

THURSDAY, AUGUST 24

Excursion Free and easy activities