international Conference on Mathematics, Engineering, and industrial Applications (ICoMEIA 2024)

Parallel Presentation Schedule

Date: 26 & 27 October 2024

Venue: Adya Hotel, Langkawi, Kedah, Malaysia

Session	Date	Time
Parallel Session 1	26 October 2024 (Saturday)	2.00 – 4.00 pm (Malaysia time)
Parallel Session 2	26 October 2024 (Saturday)	4.15 – 6.00 pm (Malaysia time)
Parallel Session 3	27 October 2024 (Sunday)	10.15 am – 12.45 pm (Malaysia time)

Venue	Meeting Room	Mode
1	Adya Meeting Room 1-2 (Ballroom)	Hybrid https://meet.google.com/gux-qwdx-mkj
2	Adya Meeting Room 3	Hybrid https://meet.google.com/duw-fsvg-gaz
3	Adya Meeting Room 4	Hybrid https://meet.google.com/bws-xfxk-qcg
4	Adya Meeting Room 5	Physical
5	Adya Meeting Room 6	Physical

Parallel Session 1
Date: 26 October 2024 | Time: 2.00 – 4.00 pm (Malaysia time)

VENUE 1: BALLROOM (ADYA 1 – 2) GMEET LINK: https://meet.google.com/gux – qwdx – mkj CHAIRPERSON: ELYANA SAKIB			
Time	**Paper Title**	**Presenter**	**Mode**
2.00 – 2.15 pm	A New Set of Entries and Distribution Guidelines for the Error Vector N the Ggh – Mka Encryption Scheme	Elyana Sakib	Physical
2.15 – 2.30 pm	A Property of A Particular Generalized Petersen Unit – Distance Graph	Nat Kaenthong	Online
2.30 – 2.45 pm	Theoretical Decryption Exponent Bound for Generalized Takagi – Cryptosystem with Small Prime Difference	Dr. Saidu Isah Abubakar	Physical
2.45 – 3.00 pm	Graph Related to the Tau Function	Pathomporn Suksahwat	Online
3.00 – 3.15 pm	Sequence – Based Encryption and Decryption Method: A Step – By – Step Approach	Dr. Sharmila Karim	Physical
3.15 – 3.30 pm	Utilizing Topological Data Analysis for English Alphabet Sign Language Classification	John Carlo V. Alonzo	Online
3.30 – 3.45 pm	Irrationality of Square Root of P and Square Root of PQ Where P and Q Are Distinct Prime Numbers with Continuant	Ekkasit Sangwisut	Physical
3.45 – 4.00 pm	Using Visibility Graphs and Persistent Homology in Time Series Classification	Deanne Erica S. Valderama	Online

VENUE 2: ADYA 3 GMEET LINK: https://meet.google.com/duw – fsvg – gaz CHAIRPERSON: DR WAN SUHANA WAN DAUD			
Time	**Paper Title**	**Presenter**	**Mode**
2.00 – 2.15 pm	Community Reactions Towards Early Notification of Dengue Mobile Apps	Prof. Dr. Suzilah Ismail	Physical
2.15 – 2.30 pm	Statistical Analysis on Influence of Sectoral Contribution to Malaysias Economic Growth	Nur Amalina binti Mohammad Amin	Online
2.30 – 2.45 pm	Enhancing Decision Making with Picture Fuzzy Einstein Interactive Operator: An Application in Multi – Attribute Decision – Making	Siti Rohana Goh Abdullah	Physical
2.45 – 3.00 pm	A Framework for Organizational Culture and Entrepreneurial Orientation: The Mediating Role of Entrepreneurial and Transformational Leadership Among Young Entrepreneurs in Manufacturing Industry	Shiau Wei Chan	Online
3.00 – 3.15 pm	Extracting Alzheimer's Disease Dataset Using Unsupervised Hybrid Logic Mining Method	Dr. Nur Ezlin Zamri	Physical
3.15 – 3.30 pm	Prioritizing Road Accident Factors at Universiti Utara Malaysia Using Analytical Hierarchy Process.	Ruzleeta Zakaria	Online
3.30 – 3.45 pm	Numerical Analysis for Bonded Materials Subject to Various Mechanical Loadings that Weakened by a Curvilinear Crack	Dr. Khairum bin Hamzah	Physical
3.45 – 4.00 pm	Analysis of Household Expenditure in Nakhon Si Thammarat Province, Thailand	Orasa Nunkaw	Online

Parallel Session 1
Date: 26 October 2024 | Time: 2.00 – 4.00 pm (Malaysia time)

VENUE 3: ADYA 4 GMEET LINK: https://meet.google.com/bws – xfxk – qcg CHAIRPERSON: DR BILIANA BIDIN			
Time	**Paper Title**	**Presenter**	**Mode**
2.00 – 2.15 pm	Road Crash Analysis: A Systematic Review of Machine Learning Approaches, Imputation Techniques, and Advanced Algorithms	Muhammad Fadhirul Anuar Mohd Azami	Physical
2.15 – 2.30 pm	Mobile Robot Mapping and Navigation System with Raspberry Pi and Multiple Sensors Using ROS2	Mst Ishrat Jahan	Online
2.30 – 2.45 pm	Metaheuristic Algorithms for Solving the Mobile Robot Scheduling Problem in FMS Environment: A Comparative Study	Dr. Mohd Saiful Azimi Mahmud	Physical
2.45 – 3.00 pm	Investigation and Analysis of Particle Swarm Optimization in Robot Operating System Based Mobile Robot Navigation	Ms Ishrat Jahan	Online
3.00 – 3.15 pm	Need Analysis for Enhanced Teaching Aids in Embedded Robotics Courses: Addressing Challenges in Programming and Electronic Circuits Comprehension	Dr. Muhammad Ridzuan Idris	Physical
3.15 – 3.30 pm	Design Improvement of Line Marking Machine Using the integration of Quality Function Deployment (QFD) with Fuzzy Analytic Network Process (FANP)	Yasmin Syaliana Roslan	Online
3.30 – 3.45 pm	Reconstructing the Traditional Turkish Bow Using Cubic and Quartic Bzier Curves: A Computational Approach for Precision Archery Modeling	Assoc. Prof. Dr. Zainor Ridzuan bin Yahya	Physical
3.45 – 4.00 pm	Optimization of Polyhydroxyalkanoates/Graphene Nanocomposites Properties Via Polyethylene Glycol Addition	Nur Afiqah Zahiah binti Azamin	Online

VENUE 4: ADYA 5 CHAIRPERSON: DR FATINNABILA KAMAL			
Time	**Paper Title**	**Presenter**	**Mode**
2.00 – 2.15 pm	Stability Analysis of Three – Dimensional Stagnation – Point Flow and Heat Transfer over a Permeable Stretching/Shrinking Sheet with Heat Source Effect in Viscous Fluid	Dr. Fatinnabila Kamal	Physical
2.15 – 2.30 pm	Sensitivity Analysis of the Couple Stress Hybrid Nanofluid Flow Over A Stretchable Plate with Magnetic Field	Dr. Najiyah Safwa binti Khashi'ie	Physical
2.30 – 2.45 pm	Nanoparticles Effects on Couple Stress Fluid Over A Shrinking Sheet with Heat Generation	Dr. Iskandar Waini	Physical
2.45 – 3.00 pm	A Novel Satisfiability Logic in Discrete Hopfield Neural Network	Dr. Xiaoyan Liu	Physical
3.00 – 3.15 pm	A Proficient Trigonometrical – Fitted Two – Derivative Multistep Collocation Methods in Predictor – Corrector Approach	Dr. Khai Chien Lee	Physical
3.15 – 3.30 pm	Pattern Extraction from Medical Datasets Via Permutation 3 – Satisfiability Reverse Analysis Method in Discrete Hopfield Neural Network	Amierah binti Badul Malik	Physical
3.30 – 3.45 pm	A Comparative Performance Analysis of Random 3 – Satisfiability in Discrete Hopfield Neural Network with Different Activation	Binbin Yang	Physical
3.45 – 4.00 pm	Comparison of Various Logic Mining Models Incorporate Discrete Hopfield Neural Network	Xiaofeng Jiang	Physical

Parallel Session 1
Date: 26 October 2024 | Time: 2.00 – 4.00 pm (Malaysia time)

VENUE 5: ADYA 6 CHAIRPERSON: DR NURUL HUDA ABDUL AZIZ			
Time	**Paper Title**	**Presenter**	**Mode**
2.00 – 2.15 pm	Factors Affecting the Power Conversion Efficiency in Natural Chlorophyll Dye – Sensitized Solar Cell (DSSC)	Mohammad Ullah	Physical
2.15 – 2.30 pm	Numerical Solution for Fractional Differential Equations by using Jacobi – Gauss Radau Collocation Method	Amina Kassim Hussain	Physical
2.30 – 2.45 pm	Overview of Reference Evapotranspiration Estimation using Deep Learning Approaches	Assoc. Prof. Dr. Chai Hoon Koo	Physical
2.45 – 3.00 pm	Comparing Developed OAT Model and Pseudo – Three – Layer OAT Model for Cubic Spline Regression by Estimating Philippine Peso Volatilities	Anna Lorraine E. Espiloy	Physical
3.00 – 3.15 pm	Mathematical Modelling of Information Security and Financial Performance in Malaysian Oil and Gas Firms	Dr. Syed Emad Azhar Ali	Physical
3.15 – 3.30 pm	Simple Spatial Analysis of Narcotics – Related offenses in Malaysia	Dr. Razik Ridzuan Mohd Tajuddin	Physical
3.30 – 3.45 pm	Optimizing Diverse Types of Feature Classification in E – Ticketing Data Using Machine Learning Techniques	Siti Zulaikha Mohd Jamaludin	Physical
3.45 – 4.00 pm	A Study of User Acceptance Theories in the Context of Virtual Reality Applications	Nur Aqilah binti Tahir	Physical

Parallel Session 2
Date: 26 October 2024 | Time: 4.15 – 6.00 pm (Malaysia time)

VENUE 1: BALLROOM (ADYA 1 – 2) GMEET LINK: https://meet.google.com/gux – qwdx – mkj CHAIRPERSON: AISHAH MOHD NOOR			
Time	**Paper Title**	**Presenter**	**Mode**
4.15 – 4.30 pm	On Divisibility Properties of Jacobthal – Lucas Number	Nureeya Suradeem	Online
4.30 – 4.45 pm	Improving Email Spam Detection with Fuzzy Min – Max Neural Network: A Focus on Class Imbalance Technique	Ekramul Haque Tusher	Physical
4.45 – 5.00 pm	Enhancing Flood forecasting Accuracy Through Improved SVM and ANFIS Techniques	Sumia Hussin Mohamed Abdualkarim	Online
5.00 – 5.15 pm	An integration of Hesitant Fuzzy Set and interval Type – 2 Fuzzy Set in Analytic Hierarchy Process Method	Dr. Norliana Mohd Najib	Physical
5.15 – 5.30 pm	Analysis of Natural Latex Flow in A Stirred Tank Using Computational Fluid Dynamic	Dr. Wariam Chuayjan	Online
5.30 – 5.45 pm	the Effects of the Multi – Objective Harris Hawks Optimization Algorithm integrated with Discrete Hopfield Neural Network on the Systematic 3 Satisfiability Logic	Dr. Mohd. asyraf Mansor	Physical
5.45 – 6.00 pm	Generalized Expression for the Prime – Composite Characteristic Function	Yotsaton Boonnak	Online

VENUE 2: ADYA 3 GMEET LINK: https://meet.google.com/duw – fsvg – gaz CHAIRPERSON: DR NOR ASHIKIN ABU BAKAR			
Time	**Paper Title**	**Presenter**	**Mode**
4.15 – 4.30 pm	Comparison of Stain Normalization Methods for Acute Myeloid Leukemia Blood Slide Image	Muhammad Adham aswan	Online
4.30 – 4.45 pm	Deep Learning Techniques for Ddos Attack Detection in Iot Networks: A Review	Abdulhafiz Nuhu Ahmad	Physical
4.45 – 5.00 pm	Exploring the Sustainable of Polyhydroxyalkanoates from Palm Oil Mill Effluent: A Pathway to Eco – Friendly Bioplastic	Nur Afiqah Zahiah Azamin	Online
5.00 – 5.15 pm	Optimizing Wireless Sensor Networks: A Survey of Clustering Strategies and Algorithms	Sakib Iqram Hamim	Physical
5.15 – 5.30 pm	A Bibliometric Analysis of Dengue Prediction Research (1991 – 2024)	Haikal Zahiruddin	Online
5.30 – 5.45 pm	Simultaneous Diophantine Attacks Targeting Generalized Rsa Key Equations	Dr. Wan Nur Aqlili Ruzai	Physical
5.45 – 6.00 pm	Evaluation of Soil Dielectric Properties Using Microwave Non – Destructive Technique (MNDT) At X – Band Frequency	Dr. Fadhlina Che Ros	Online

Parallel Session 2
Date: 26 October 2024 | Time: 4.15 – 6.00 pm (Malaysia time)

VENUE 3: ADYA 4 GMEET LINK: https://meet.google.com/bws – xfxk – qcg CHAIRPERSON: DR NOORAIHAN ABDULLAH			
Time	**Paper Title**	**Presenter**	**Mode**
4.15 – 4.30 pm	Synthesis and Characterization of Impregnated Activated Carbon Coconut Shell (AC – CS) with Polyethylenimine (PEI) and Imidazole (Ims) for Carbon Dioxide Capture	Nor Fadilah Mohamad	Online
4.30 – 4.45 pm	A Hybrid System for Detecting Driver Drowsiness Using Real-Time Visual and Vehicular Data	Dr. Ashardi Abas	Physical
4.45 – 5.00 pm	Digital Transformation in the China Auto Insurance Sector: Industry 4.0 Trends and Challenges	Xiao Lujia	Online
5.00 – 5.15 pm	Malaria Dynamics of Transmission for Individuals with Multi – layered Susceptibility	Gekonga Wanchoke Chacha	Physical
5.15 – 5.30 pm	Developing Programming Skills Through Problem – Based Learning with Chatbots for Grade 11 Students	Duenpen Kochakornjarupong	Online
5.30 – 5.45 pm	Predicting Career Track Choice of Senior High School Students Using a Random forest Hybrid Model	Allen L. Nazareno	Physical
5.45 – 6.00 pm	Smartcoop: An intelligent Management System for Cooperative Education in the Digital Age	Ajaree Naco	Online

VENUE 4: ADYA 5 CHAIRPERSON: DR ROHANA ABDUL HAMID			
Time	**Paper Title**	**Presenter**	**Mode**
4.15 – 4.30 pm	Sentiment Analysis on Youtube Comments Using Machine Learning Techniques Based on Video Games Content	Mohaiminul Islam Bhuiyan	Physical
4.30 – 4.45 pm	Mapper – Enhanced Persistent Homology Classification Algorithm	Dr. Mark Lexter De Lara	Physical
4.45 – 5.00 pm	Machine Learning – Based Seismic – induced Soil Liquefaction Potential Prediction	Dr. Ranzivelle Marianne Roxas – Villanueva	Physical
5.00 – 5.15 pm	Optimal Control Strategies for Managing Plasmodium Knowlesi Malaria in Humans and Macaques	Dr. Amiru Sule	Physical
5.15 – 5.30 pm	Fake News Detection: An introduction of Hybrid Machine Learning Model Outperforming Conventional Classifiers	Anik Sen	Physical
5.30 – 5.45 pm	Enhanced Suicidal Ideation Detection from Social Media Using A Cnn – Bilstm Hybrid Model	Mohaiminul Islam Bhuiyan	Physical
5.45 – 6.00 pm	Fusion of Machine Learning Techniques for Robust Anomaly Detection in Cybersecurity During Data Sharing	Anik Sen	Physical

Parallel Session 2
Date: 26 October 2024 | Time: 4.15 – 6.00 pm (Malaysia time)

VENUE 5: ADYA 6 CHAIRPERSON: SYAFAWATI AB SAAD			
Time	**Paper Title**	**Presenter**	**Mode**
4.15 – 4.30 pm	Classification of Diabetic Retinopathy Stages Using Ordinal Logistic Regression	Syafawati Ab Saad	Physical
4.30 – 4.45 pm	Comparative Analysis Of YOLOV5 And YOLOV8 Algorithms For Classification And Detection Of Betel Leaf Diseases	Naphat Keawpibal	Physical
4.45 – 5.00 pm	Factors Affecting the Level of Student Satisfaction in A Public University Located in Northern Malaysia	Hamzah Abdul Hamid	Physical
5.00 – 5.15 pm	Enhancing Covid – 19 forecast Accuracy in Malaysia Using A Novel Repeated Time Series Cross – Validation	Azlan Abdul Aziz	Physical
5.15 – 5.30 pm	Robust Network topology Approach for Survival Analysis	Dr. Wan Nur Syahidah Wan Yusoff	Physical
5.30 – 5.45 pm	Stress Shielding and Amplification in Alveolar Cortical – Cancellous Bone Fractures: An Analysis of Implant – Bone Stress interactions	Noor Alia Md Zain	Physical
5.45 – 6.00 pm	Efficacy of Gaseous Ozone on the Removal of Young and Mature Methicillin – Resistant Staphylococcus Aureus (MRSA) Biofilms	Fatima asseidali Mohamedahmed Amlis	Physical

Parallel Session 3
Date: 27 October 2024 | Time: 10.15 am – 12.45 pm (Malaysia time)

VENUE 1: BALLROOM (ADYA 1 – 2) GMEET LINK: https://meet.google.com/gux – qwdx – mkj CHAIRPERSON: DR HAMZAH ABDUL HAMID			
Time	**Paper Title**	**Presenter**	**Mode**
10.15 – 10.30 am	Hybrid Optimization Approaches for Generating Diversified Final Neuron States in Discrete Hopfield Neural Network	Nurshazneem Roslan	Physical
10.30 – 10.45 am	Extended Pythagoras Theorem Using Octagons	Tanatcha Petsri	Online
10.45 – 11.00 am	Negative Based Higher Order Systematic Satisfiability in Discrete Hopfield Neural Network	Nur 'Afifah Rusdi	Physical
11.00 – 11.15 am	Rotating Bioconvection Flow of Brinkman Carbon Nanotube Nanofluid in Channel	Wan Nurain Nabilah Noranuar	Online
11.15 – 11.30 am	Cubic Parameter Homotopy Function for Solving Nonlinear Equations	Mohd Syafiq Abdul Rahman	Physical
11.30 – 11.45 am	Optimizing Emergency Evacuation: An in-Depth Review of Multi-Agent Pathfinding (MAPF) for Escape Routes	Nurul Ishafira Ismail	Online
11.45 – 12.00 pm	Optimizing Learning and Retrieval in Discrete Hopfield Neural Networks: The Major Random 1,3-Satisfiability Rule and Metaheuristic Algorithms	Gaeithry Manoharam	Physical
12.00 – 12.15 pm	Identifying Postpartum Depression Symptoms on Social Media Using Machine Learning Techniques	Zaber Al Hassan Ayon	Online
12.15 – 12.30 pm	Modelling Dengue Transmission Dynamics: A State Space Approach Via Simulink Simulation	Nurfatihah Abdullah	Physical
12.30 – 12.45 pm	Next Level of Control Charts - Navigating industry 4.0 (Case Study)	Sufinah Dahari	Online

VENUE 2: ADYA 3 GMEET LINK: https://meet.google.com/duw – fsvg – gaz CHAIRPERSON: DR FATANAH DERAMAN			
Time	**Paper Title**	**Presenter**	**Mode**
10.15 – 10.30 am	The Cardinality of Double Character Sums of Beatty Sequences associated with Prime	Dr. Fatanah Deraman	Physical
10.30 – 10.45 am	Project Planning and Scheduling Using Cpm and Pert : A Case Study of asphaltic Concrete	Nureesan Muso	Online
10.45 – 11.00 am	Hybrid Least Squared Support Vector Machine to forecast Water Level	Vikneswari Someetheram	Physical
11.00 – 11.15 am	On the Exponential Diophantine Equation 2^X + N^Y =Z^2	Sutthiwat Thongnak	Online
11.15 – 11.30 am	Flood Frequency Analysis of Daily Water Level Using L-Moment and Tl-Moment Approach on River Stations	Vikneswari Someetheram	Physical
11.30 – 11.45 am	Binary Trees for the Triples of Fibonacci and Lucus Numbers	Chayanin Boonrat	Online
11.45 – 12.00 pm	The Shooting " Fuzzy Runge-Kutta Cash-Karp Methods to Solve Boundary Value Problems	Nurain Zulaikha Husin	Physical
12.00 – 12.15 pm	Some New Congruences for Balancing Numbers	Arreesa Darakai	Online
12.15 – 12.30 pm	The Fuzzy Heat Transfer for Solving one-Dimensional Fuzzy Differential Equations	Nurain Zulaikha Husin	Physical
12.30 – 12.45 pm	An Analytical Approach for Ideal Spouse Selection Criteria Using Fuzzy AHP Method	Nur Azulia Kamarudin	Online

Parallel Session 3
Date: 27 October 2024 | Time: 10.15 am – 12.45 pm (Malaysia time)

VENUE 3: ADYA 4 GMEET LINK: https://meet.google.com/bws – xfxk – qcg CHAIRPERSON: ASSOC. PROF. DR SAFWATI IBRAHIM			
Time	**Paper Title**	**Presenter**	**Mode**
10.15 – 10.30 am	Multinomial Logistic Regression Analysis: Smoking Status and Demographic Factors	Khatijahhusna Abd Rani	Online
10.30 – 10.45 am	Understanding User Experiences with Virtual Rehabilitation in Children with Cerebral Palsy: A Qualitative Approach	Norazimah Awang	Physical
10.45 – 11.00 am	Enhancing CPI Accuracy: A Comparative Analysis of Weighting Techniques and Consumer Behaviour in Malaysia	Dr. Faiz bin Zulkifli	Online
11.00 – 11.15 am	The Development of a Native Rice Varietal Classification Method Using Deep Learning	Dr. Noppamas Pukkhem	Physical
11.15 – 11.30 am	Forecasting CPI in Malaysia: Comparing Linear Regression, Nonlinear Regression, and Nonlinear Programming Methods	Rozaimah binti Zainal Abidin	Online
11.30 – 11.45 am	From Official Data to Consumer Perspectives: Evaluating CPI Computation Techniques in Malaysia	Dr. Faiz bin Zulkifli	Online
11.45 – 12.00 pm	Designing Information Technology to Improve Elderly Quality of Life	Kanida Sinmai	Physical
12.00 – 12.15 pm	Conceptual Framework for Enhanced Poverty assessment through Advanced Analytical Models within the Malaysia MADANI Framework	Rozaimah binti Zainal Abidin	Online
12.15 – 12.30 pm	Numerical characterization and optimization of the surface acoustic waves (SAW) device for cell therapy	Mazlee bin Mazalan	Physical
12.30 – 12.45 pm	Investigating Malaysian Consumer Behaviours: A Pilot and Preliminary Study Using Item Response theory	Dr. Faiz bin Zulkifli	Online

VENUE 4: ADYA 5 CHAIRPERSON: DR. YUSMYE NUR ABU YUSUF			
Time	**Paper Title**	**Presenter**	**Mode**
10.15 – 10.30 am	Filipino Sign Language Recognition Using Multi-Level Persistent Homology Classification Algorithm	Cristian B. Jetomo	Physical
10.30 – 10.45 am	A Kernal Grey Model with Genetic Algorithm Optimizer and Its Applications in forecasting the Palm Oil Price in Malaysia	Assoc. Prof. Dr. Ani Shabri	Physical
10.45 – 11.00 am	Development of Group Method of Data Handling Based on the Cubic Function for Pm10 forecasting	Dr. Ruhaidah Samsudin	Physical
11.00 – 11.15 am	Weighted Systematic 2 Satisfiability in the Discrete Hopfield Neural Network	Nurul Atiqah Romli	Physical
11.15 – 11.30 am	Logic Mining Approaches in Designing THICAPA for Alzheimer's Disease	Mohd Shareduwan Mohd Kasihmuddin	Physical
11.30 – 11.45 am	Parameter Estimation for Two-Tank System Using Multiparametric Programming	Syarifah Hanisah binti Syed Yunus	Physical
11.45 – 12.00 pm	on the Numerical Solution of one-Dimensional Hyperbolic Telegraph Equation By Using Redlich-Kister Finite Difference with MKSOR Iteration	Mohd Norfadli Suardi	Physical
12.00 – 12.15 pm	Mixed Convection Boundary Layer Flow Over A Horizontal Circular Cylinder in A Williamson Hybrid Ferrofluid with Viscous Dissipation Effects	Marjan binti Mohd Daud	Physical
12.15 – 12.30 pm	Prioritizing Factors influencing Customer Satisfaction at Credit Corporation using the Analytical Hierarchy Process (AHP)	Dr. Yusmye Nur Abu Yusuf	Physical
12.30 – 12.45 pm	Advanced Mathematical Modeling of Hepatitis B Transmission Dynamics with and without Diffusion Effect Using Real Data From Thailand	Rahat Zarin	Physical

Parallel Session 3
Date: 27 October 2024 | Time: 10.15 am – 12.45 pm (Malaysia time)

VENUE 5: ADYA 6 CHAIRPERSON: : ASSOC. PROF. DR WAN MOHD KHAIRY ADLY			
Time	**Paper Title**	**Presenter**	**Mode**
10.15 – 10.30 am	A Comparative Analysis of Artificial intelligence Techniques for Carbon Emission Predictions in the Construction industry	Dr. Rufaizal Che Mamat	Physical
10.30 – 10.45 am	Surface Enhanced Hematite (Fe2o3) from Natural Sand as Catalyst in Biodiesel Production from Used Cooking Oil; Optimization and Kinetic Studies	Prof. Samaila Muazu Batagarawa	Physical
10.45 – 11.00 am	Development of Hydroponic System Using Nutrient Film Technique (Nft) with IOT Remote Monitoring for Urban Farming	Mohamed Mydin M. Abdul Kader	Physical
11.00 – 11.15 am	Comparative Study of Different Manufacturing Process on Mechanical Performance of Biocomposites	Dr. Jamiluddin Jaafar	Physical
11.15 – 11.30 am	Assessment of Viscosity Changes Due to Residual Mineral Oil Concentration in Synthetic Ester Oil	Nur Amirah Othman	Physical
11.30 – 11.45 am	Quantitative Analysis of Energy Security: Non-Nuclear Vs. Nuclear-Powered Electricity Generation	Endang J.M. Sahid	Physical
11.45 – 12.00 pm	Quantum Antibunching in Nonlinear Couplers: A Phase Space Approach Using Positive-P Representation	Assoc. Prof. Dr. Abdel-Baset M. A. Ibrahim	Physical
12.00 – 12.15 pm	Gross-Pitaevskii Equation with Noncommuting Coordinates and Momenta on Oscillation Boson System	Dr. Mohd Faudzi Umar	Physical
12.15 – 12.30 pm	Energy Security of Malaysia: Analysis of the Impact of Carbon Neutrality Strategies	Endang J.M. Sahid	Physical
12.30 – 12.45 pm	Stability Analysis of a Mathematical Model of Tuberculosis	Dr. Mohammed Dago Maigemu	Physical