

Presentation Schedule

DAY 1 (8 AUGUST 2023, TUESDAY)

Session 1: Statistics, Financial Mathematics & Operational Research

Onsite Presentation

Chairperson: Assoc. Prof. Dr Mimi Hafizah Abdullah

Time	Presenter	ID	Title	Affiliation
11:00 – 11:20	Rose Irnawaty Ibrahim	20	Analysis of Changes in Total Actuarial Liabilities Using Projected Unit Credit Method	Universiti Sains Islam Malaysia
11:20 – 11:40	Muhammad Syarif Ghazali	27	Load-Based Constructive Heuristics for a Greener Solution of Vehicle Routing Problem	International Islamic University Malaysia
11:40 – 12:10	Nur Fatini Rasidi	21	Estimating Optimal Resource Allocation in Inpatient Department Using Simulation and Data Envelopment Analysis	UiTM Kelantan, Kota Bharu Branch
12:10 – 12:30	Ibrahim Musa Ahmad	22	Impact of Jigsaw IV Cooperative Learning Approach on Students' Academic Performance in Mathematics	Hassan Usman Katsina Polytechnic, Katsina - Nigeria

Session 2: Pure Mathematics

Onsite Presentation

Chairperson: Dr Siti Fatimah Zakaria

Time	Presenter	ID	Title	Affiliation
14:00 – 14:20	Nik Aizad Nik Hasmi	02	Zeros of Partition Function For Z_5 -Symmetric Models on Square Lattice – Special Case	International Islamic University Malaysia
14:20 – 14:40	Mohammad Hanif Saleh	11	Dynamics On 3-Dimensional Lattice	International Islamic University Malaysia
14:40 – 15:00	Nur Alis Aqeelah Mohd Fadzullah	17	New Poisson Quadratic Stochastic Operator Generated by 2-Partition	International Islamic University Malaysia

Session 3: Applied Mathematics

Virtual Presentation

Chairperson: Dr Nor Raihan Mohd Asimoni

Time	Presenter	ID	Title	Affiliation
15:10 – 15:30	Hazlina Darman	09	Predicting Haze Phenomenon Using Chaos Theory	Universiti Pendidikan Sultan Idris
15:30 – 15:50	Hazlina Darman	10	Performance Comparison of Haze Prediction using Chaos Theory and Multiple Linear Regression	Universiti Pendidikan Sultan Idris
15:50 – 16:10	Tan Jessica Yen Lyn	33	Learning Analytic Framework for Students' Academic Performance and Critical Learning Pathways	University Tunku Abdul Rahman
16:10 – 16:30	Nur Zafirah Mohd Sidek	36	The Effect of a Magnetic Field on the Process of Mixed Convection Heat Transfer in a Square Cavity with Sinusoidal Heating	Universiti Tun Hussein Onn Malaysia

DAY 2 (9 AUGUST 2023, WEDNESDAY)

Session 4: Pure Mathematics

Onsite Presentation

Chairperson: Dr Wan Nur Fairuz Alwani Wan Rozali

Time	Presenter	ID	Title	Affiliation
10:15 – 10:35	Siti Nurlaili Karim	18	On Lebesgue Quadratic Stochastic Operators with Exponential Measure Generated by 3-Partition	Universiti Tunku Abdul Rahman
10:35 – 10:55	Azizi Rosli	28	Non-Ergodic Lotka-Volterra Operator Defined on 2-Dimensional Simplex	International Islamic University Malaysia

Session 5: Applied Mathematics

Onsite Presentation

Chairperson: Dr Muhammad Salihi Abdul Hadi

Time	Presenter	ID	Title	Affiliation
11:00 – 11:20	Anis Sulaikha Samiun	12	The Effects of Impurities on Discrete Nonlinear Schrödinger Equation	International Islamic University Malaysia
11:20 – 11:40	Amir Farhan Mohammad Zamri	16	MHD Mixed Convective Flow of Power-law Buongiorno's Nanofluid in a Lid-driven Cavity with Solid Triangular Block in the Presence of Heat Generation/Absorption and Chemical Reaction Effects	International Islamic University Malaysia
11:40 – 12:10	Lukhman Abdul Taib	32	Compactons in Spin-Orbit Coupled Nonlinear Schrödinger Lattices with Strong Nonlinearity Management	International Islamic University Malaysia
12:10 – 12:30	Norshafira Ramli	34	Joule Heating, Thermal Radiation and Slip Effects on Magnetohydrodynamic Flow and Heat Transfer over an Exponentially Stretching/Shrinking Sheet in Ferrofluids	Universiti Sains Malaysia

Session 6: Pure Mathematics

Virtual Presentation

Chairperson: Dr Supian Mat Salleh

Time	Presenter	ID	Title	Affiliation
14:00 – 14:20	Aini Janteng	23	Subclasses of Analytic Functions of Complex Order with Application of q -Derivative Operator	Universiti Malaysia Sabah
14:20 – 14:40	Aini Janteng	24	A Subclass of Bi-univalent Functions by Applying Sălăgean q -Differential Operator	Universiti Malaysia Sabah
14:40 – 15:00	Nasir Ganikhodjaev	26	Non-ergodic Quadratic Stochastic Operators with Countable State Space	Institute of Mathematics, Tashkent, Uzbekistan
15:00 – 15:20	Shujauddin Shuja	30	Hyperstability Results for The General Linear Functional Equation in Non-Archimedean 2-Banach Spaces	Universiti Teknologi Malaysia

Session 7: Statistics & Financial Mathematics

Virtual Presentation

Chairperson: Dr. Siti Marponga Tolos

Time	Presenter	ID	Title	Affiliation
15:30 – 15:50	Allhaji Abdullahi Gwani	01	GIS-Based Trend Analysis on Renewal Energy Consumption and Production in Africa	Universiti Sains Malaysia
15:50 – 16:10	Sim Khang Yi	06	Examining the Effectiveness of Monetary Policy in Asia: The pre- and post-crisis 1997 Analysis	Universiti Sains Malaysia
16:10 – 16:30	Sim Khang Yi	07	GIS-Based and Geospatial Analysis: Mapping and Visualizing the Trend of Covid-19 Data in Asia	Universiti Sains Malaysia
16:30 – 17:00	Beh Woan Lin	08	Impact Analysis of Malaysia's Economy on the Palm Oil Stock Returns in Malaysia, Singapore and Indonesia Through NARDL Model	Universiti Tunku Abdul Rahman

DAY 3 (10 AUGUST 2023, THURSDAY)

Session 8: Applied Mathematics

Onsite Presentation

Chairperson: Dr Nor Amirah Mohd Busul Aklan

Time	Presenter	ID	Title	Affiliation
14:00 – 14:20	Amer Salman	19	Sustainable COVID-19 Control Measures: A Math Modelling Study	Universiti Sains Malaysia
14:20 – 14:40	Ummu Atiqah Mohd Roslan	31	Dynamic Modelling for Assessing the Impact of Marine Debris on the Population of Sea Turtles	Universiti Malaysia Terengganu
14:40 – 15:10	Ahmad Zaki Mohamad Amin	35	Mixed Convection in A Double Lid-Driven Square Cavity Filled with Hybrid Nanofluid in The Presence of Magnetic Field and Sinusoidal Heating	Universiti Tun Hussein Onn Malaysia