

PROGRAM SCHEDULE

Tuesday, September 1, 2026

TIME	EVENT DETAILS
16:00-18:00	Registration for Participants

Wednesday, September 2, 2026

TIME	EVENT	EVENT DETAILS
08:00-09:00	Participants enter conference hall & virtual conference room Link: https://tinyurl.com/ICAIIA-Opening	
9:00 – 9:20	Opening Ceremony (Doa Recitation & National Anthem - “Negaraku”)	Welcome Speech by Director of Centre for Artificial Intelligence & Data Science (Sr. Ts. Dr. Ngahzaifa bt Ab Ghani)
9:20 – 10:00	Plenary 1	Invited Keynote Speaker 1: Gs. Mohammad Fadhli bin Jamaluddin <i>Chief Executive Officer, Geospatial AI Sdn. Bhd, Malaysia</i>
10:00-10:40	Plenary 2	Invited Keynote Speaker 2: Industrial Talk by Elitery
10:40-11:00	Photo Session & Break Time	
11:00 -12:45	Parallel Session	
	Room 1 Foundation of Artificial Intelligence and Data Science	Room 2 Intelligent Systems, Image Processing and Emerging Technologies
12:45 -14:00	Lunch	
14:00 -15:30	Parallel Session	
	Room 1 Foundation of Artificial Intelligence and Data Science	Room 2 AI for Health, Education and Human Development
15:30 -16:00	Break Time	
	Participants enter virtual conference room Link: https://tinyurl.com/ICAIIA-Keynote	
16:00 -16:40	Plenary 3	Invited Keynote Speaker 3: Prof. Dr. Rui Moura Coelho <i>University of Lisbon, Portugal</i>
16:40 – 17:20	Plenary 4	Invited Keynote Speaker 4: Ts. Dr. Abbas Saliimi Lokman <i>Universiti Malaysia Pahang Al-Sultan Abdullah, Malaysia</i>

PROGRAM SCHEDULE

Thursday, September 3, 2026

TIME	EVENT DETAILS			
08:00-10:30	Morning coffee break & Participants enter virtual conference room			
10:30 -12:00	Parallel Session			
	Virtual Room 1 Foundation of Artificial Intelligence and Data Science Session 1 Link: https://tinyurl.com/ICAIIA-VR01	Virtual Room 2 AI for Industry, Business and Society Link: https://tinyurl.com/ICAIIA-VR02	Virtual Room 3 AI for Health, Education and Human Development Link: https://tinyurl.com/ICAIIA-VR03	Virtual Room 4 AI for Intelligent Systems, Image Processing and Emerging Technologies Link: https://tinyurl.com/ICAIIA-VR04
12:00 -14:00	Lunch			
14:00 -15:30	Parallel Session			
	Virtual Room 5 Intelligent Systems, Image Processing and Emerging Technologies Link: https://tinyurl.com/ICAIIA-VR05	Virtual Room 6 Robotics, IoT, Networking and Intelligent Systems Link: https://tinyurl.com/ICAIIA-VR06	Virtual Room 7 AI for Health, Education and Human Development Link: https://tinyurl.com/ICAIIA-VR07	
15:30-16:00	Break Time			

Friday, September 4, 2026

TIME	EVENT DETAILS
09:00-12:30	Putrajaya City Tour (Optional, Chargeable, Advance Registration Required)

PROGRAM SCHEDULE – Parallel Session Schedule

Room 1 (Foundation of Artificial Intelligence and Data Science)

Wednesday, September 2, 2026, Session Chair: Ts. Dr. Abdul Sahli Bin Fakharudin (Dr.Zaifa)

No	Times	Paper ID	Titles & Authors
1	11.00 - 11.15	1571286456	Evaluating Heterogeneous and Homogeneous Sampling for Energy-Accuracy Trade-Offs in Multi-Sensor IoT Systems (<i>Kammery Tagat; Lau Sei Ping; Chong-Eng Tan</i>)
2	11.15- 11.30	1571294229	Evaluating Robustness of AI-Generated Text Detectors Under Simulated Iterative Obfuscation (<i>Batyr Sharimbayev; Shirali Kadyrov; Adil Akhmetov; Abzalbek Ulasbekov</i>)
3	11.30 - 11.45	1571331474	Modified Condition/Decision Coverage (MC/DC) Test Cases Generator Using Fossa Optimization Algorithm (<i>Muhammad Harith Zulhairi; Kamal Zuhairi Zamli</i>)
4	11.45 - 12.00	1571295400	Immune-PID Control for Underactuated Systems with Safe Experimentation Dynamics Tuning (<i>Mohd Riduwan bin Ghazali; Liu Guofang; Mohd Ashraf Ahmad</i>)
5	12.00 - 12.15	1571302472	Comparative Analysis of Rewriting-Based Large Language Model-Generated Synthetic Code Detection (<i>Maulana Arya Alambana; Arif Nurwidyantoro</i>)
6	12.15 - 12.30	1571307508	Leakage-Aware Ensemble Learning for Electric Vehicle Range Prediction and BEV/PHEV Classification (<i>Abdul Sahli Fakharudin; Suleiman Hamyar; Arvind Dayvaa Jeganathan; Duha Awad HamedElneel</i>)
7	12.30 - 12.45	1571314287	KGEDO: A Knowledge-Guided Explainable Decision Optimization Framework for Intelligent Accounting Information Systems (<i>Van Van Chau; Anderes Gui; Roggers Gang; Nesti Sianipar; Riki; Idris Gautama So</i>)

Room 2 (Intelligent Systems, Image Processing and Emerging Technologies)

Wednesday, September 2, 2026, Session Chair: Associate Professor Dr. Ferda Ernawan (Ts. Azlina)

No	Times	Paper ID	Titles & Authors
1	11.00 - 11.15	1571264210	L-Infinity Design of Passband-Tunable Odd-Order Bandpass Filters with Ensured Stability (<i>Tian-Bo Deng</i>)
2	11.15- 11.30	1571271779	Driving Sustainable Smart Buildings Through Federated Intelligence and Digital Twin Integration (<i>Prabhu Rajaram; Gnana Swathika Odiyur Vathanam</i>)
3	11.30 - 11.45	1571274424	Object Recognition for Visually Impaired Pedestrian Navigation Using Lightweight Yolov8n Model (<i>Suryanti Awang; Resyalizatul Omar; Nur Syafiqah Mohd Nafis; Mohammed Ahmed Talab</i>)
4	11.45 - 12.00	1571272692	A Hybrid GOA-DNN Approach for Robust and Fast Maximum PowerPoint Tracking in Solar PV Systems (<i>Sheela M; Gnana Swathika Odiyur Vathanam</i>)
5	12.00 - 12.15	1571315183	YOLOv8-Based Pedestrian Detection for Malaysian Urban Traffic Surveillance: A Case Study at Bukit Bintang MRT (<i>Kausellea Perthisvararaj; Salama Adrees; Aida Mustapha; Ngahzaifa Ab. Ghani</i>)
6	12.15 - 12.30	1571325594	A DCT-Based Semi-Fragile Image Watermarking Scheme with Tamper Detection Algorithm (<i>Agit Amrullah; Mohammed Fakhreldin; Safia Abdalla Abdelrahman Salih; Ferda Ernawan</i>)
7	12.30 - 12.45	1571283663	A Vision-Based Exergame for Real-Time Posture Evaluation Using Pose Estimation and Adaptive Feedback in Upper Back Rehabilitation (<i>Teo Wei Kang; Siti Normaziah Ihsan; Tuty Asmawaty Abdul Kadir; Noraniza Samat; Muhammad Adib Irfan Mohd Shamsuzani; Derrick Lim Lip Seng</i>)

PROGRAM SCHEDULE – Parallel Session Schedule

Room 1 (AI for Health, Education and Human Development)

Wednesday, September 2, 2026, Session Chair: Dr Nor Azuana Ramli (Dr. Tuty)

No	Times	Paper ID	Titles & Authors
1	14.00 - 14.15	1571321869	Improved Spiral Dynamic Algorithm and Its Application to Path Tracking of a Mobile Robot (<i>Ahmad Nor Kasruddin Nasir</i>)
2	14.15- 14.30	1571302306	Optimizing Multiple Team Formation Within an Educational Context (<i>Kamal Zuhairi Zamli; Md Abdul Kader; Jamaludin Nor Azliana Akmal</i>)
3	14.30 - 14.45	1571302343	Solving Team Formation Problem with Secretary Bird Optimization Algorithm (<i>Kamal Zuhairi Zamli; Khisaluddin Shaikh; Nabilah Filzah Mohd Radzuan; Herman Yuliansyah</i>)
4	14.45 - 15.00	1571295325	Detecting AI-Generated Kazakh Text with a Specialised Small Encoder (<i>Abzalbek Ulasbekov; Shirali Kadyrov; Batyr Sharimbayev</i>)
5	15.00 - 15.15	1571315746	A CNN-LSTM Approach to Credit Scoring: Performance Evaluation with Implications for Explainability and Fairness (<i>Aditiya Hermawan; Idris Gautama So; Riki; Anderes Gui; Roggers Gang; Nesti Sianipar</i>)
6	15.15 - 15.30	1571284394	Stability-Margin-Constrained Design of Cascade-Connected Phase Equalizers (<i>Tian-Bo Deng</i>)

Room 2 (Foundation of Artificial Intelligence and Data Science)

Wednesday, September 2, 2026, Session Chair: Associate Professor Dr. Ku Muhammad Na'im Bin Ku Khalif (Dr. Ziti)

No	Times	Paper ID	Titles & Authors
1	14.00 - 14.15	1571317209	A Comparative Evaluation of Standalone and Hybrid Machine Learning Techniques for Network Anomaly Detection Using NSL-KDD (<i>Nuri Nazirah Ismail; Lau Sei Ping; Chong-Eng Tan</i>)
2	14.15- 14.30	1571324982	Noise-Adaptive Multi-Scale CNN with Weighted Sampling for ECG Arrhythmia Classification (<i>Ziti Fariha Mohd Apandi, Norwati Mustapha, Ikeura Ryojun</i>)
3	14.30 - 14.45	1571335672	Fuzzy Generative Learning for High-Resolution Brain Tumour Segmentation (<i>Ku Muhammad Naim Ku Khalif; Alexander Gegov; Muhammad Noryanti; Suryanti Awang; Mohd Jamil Mohamed Mokhtarudin; Khairul Azmi Abd Kadir</i>)
4	14.45 - 15.00	1571296760	A Calibration-Aware Comparative Regression Framework for Local Rainfall Probability Estimation and Rain-Risk Classification (<i>Nor Azhar Ahmad; Ameerah Muhsinah binti Jamil; Nabilah Filzah Mohd Radzuan; Nurul Izzatie; Herman Yuliansyah</i>)
5	15.00 - 15.15	1571335679	Comparative Evaluation of CNN Architectures for Wearable Heartbeat Detection Using Multimodal ECG and PPG Signals (<i>Ziti Fariha Mohd Apandi; Al-Fahim Mubarak-Ali; Abdul Sahli Fakharudin</i>)
6	15.15 - 15.30	1571295945	A Hybrid AR-IoT Architecture with AI-Enabled Interaction Measurement for Smart Switchboard Control (<i>Nor Azhar Ahmad; Nurul Izzatie; Ameerah Muhsinah binti Jamil; Nabilah Filzah Mohd Radzuan; Herman Yuliansyah; Muhammad Zamil Zuhri Mahadi</i>)

PROGRAM SCHEDULE – Parallel Session Schedule

Virtual Room 1 (Foundation of Artificial Intelligence and Data Science)

Thursday, September 3, 2026, Session Chair: Ts. Siti Normaziah Binti Ihsan

No	Times	Paper ID	Titles & Authors
1	10.30 - 10.45	1571335669	Comparative Study Between Sine Cosine Algorithm with Embedded Sine Cosine Algorithm (<i>Kamal Zuhairi Zamli; Roslina Mohd Sidek; Md Abdul Kader</i>)
2	10.45 - 11.00	1571281645	Comparative Study of Different Data Labelling Methods of EMG Arm Muscles with Time and Frequency Domain Features Model for Driver Drowsiness Detection (<i>Faradila Naim; Mahfuzah Mustafa</i>)
3	11.00 - 11.15	1571302419	Comparative Analysis of Machine Learning Based Intelligent Threat Detection System for Ransomware Detection (<i>Nur Izzah Insyirah Yusri; Muhammad Arif Mohamad</i>)
4	11.15 - 11.30	1571292916	Hybrid LSTM-RF Ensemble for Extreme Block Missingness Imputation in Multivariate Time Series (<i>Nur Aqilah Nur'Adzan Fadzil Akbar; M. Izham Jaya; Mohd Faizal Ab Razak; Indrarini Dyah Irawati; Farashazillah Yahya</i>)
5	11.30 - 11.45	1571273512	Comparative Analysis of Deep Learning Models for Bus Travel Time Prediction Using Automatic Vehicle Location Data (<i>Intan Azlin Idris; Roshahliza M. Ramli; Nor Azuana Ramli</i>)
6	11.45 - 12.00	1571330905	Lightweight Early Smoke Detection Using Strategic Dilated Spatial Attention (<i>Abubakar Ahmad; Mazlina Abdul Majid; Suleiman Hamyar</i>)

Virtual Room 2 (AI for Industry, Business and Society)

Thursday, September 3, 2026, Session Chair: Noraniza Binti Samat

No	Times	Paper ID	Titles & Authors
1	10.30 - 10.45	1571302392	An Empirical Study on Graph Neural Networks for Sentiment Analysis of Code-Mixed Data (<i>Shakespeare James; Amlu Anna Joshy</i>)
2	10.45 - 11.00	1571263533	Autonomous AI Decision Control Tower: A Deterministic Multi-Agent Decision Intelligence Framework for Enterprise NoOps (<i>Tanay Singh</i>)
3	11.00 - 11.15	1571283473	Ensemble Learning-Based Classification of Mechanical Deformation Severity in Pipeline Structures Using Acoustic Emission Features (<i>Nurul Ain Nadzri; Nazirul Afiq Mohd Johari; Mohd Aufa Hadi Putera Zaini; Nurul Shuhada Mohamed; Yasmin Abdul Wahab; Mawardi Saari</i>)
4	11.15 - 11.30	1571325573	The Causal Impact of COVID-19 on G20 Stock Markets Using LSTM Counterfactual Forecasting (<i>Pingkan Mayosi Fitriana; Zairihan Abdul Halim; Safia Abdalla Abdelrahman Salih; Ferda Ernawan</i>)

PROGRAM SCHEDULE – Parallel Session Schedule

Virtual Room 3 (AI for Health, Education and Human Development)

Thursday, September3, 2026, Session Chair: Ts. Azlina Binti Zainuddin

No	Times	Paper ID	Titles & Authors
1	10.30 - 10.45	1571322354	A Causally Informed CNN Ensemble Fusion Framework for Reddit-Based Mental Health Risk Classification Using Textual, Temporal, and Metadata Features (<i>Umber Nazir; Nur Shazwani Kamarudin; Mazlina Abdul Majid; Nur Hafieza Ismail; Nur Syafiqah Mohd Nafis</i>)
2	10.45 - 11.00	1571284894	Adaptive Image Watermarking via RA-UNet for Thyroid Nodule Image (<i>Jia Hui Yeo; Liew Siau Chuin; Anis Farihan Mat Raffei; Kohbalan Moorthy; Xiao Zhi Gao</i>)
3	11.00 - 11.15	1571316051	DeepLGB: A Hybrid Deep Learning and LightGBM Stacking Ensemble for Accurate HIV/AIDS Prediction (<i>Mahmudul Haque Shakir; Riya Das; Md Saef Ullah Miah; Junaida Sulaiman</i>)
4	11.15 - 11.30	1571315331	Identifying Mental Health Conditions in Cancer Patients Using a Hybrid TCN-BiGRU-DATT Deep Learning Model (<i>Nur Hafieza Ismail; Zaber Al Hassan Ayon; Nur Shazwani Kamarudin; M. Zulfahmi Toh; Muhammad Ary Murti</i>)
5	11.30 - 11.45	1571286187	Trustworthy AI for Skin Cancer Image Classification (<i>Anusha Augustine; Ibraheem Al-Dhamari; Jan Jürjens; Ahlam Al-Dhamari; Mohammed Sultan Mohammed</i>)

Virtual Room 4 (Intelligent Systems, Image Processing and Emerging Technologies)

Thursday, September3, 2026, Session Chair: Associate Professor Dr. Tuty Asmawaty Binti Abdul Kadir

No	Times	Paper ID	Titles & Authors
1	10.30 - 10.45	1571293719	Diffusion-Based Robust Watermarking with DPM-Solver++ Sampling for Facial Images Under Deepfake Manipulations (<i>Muhammad Romadhona Kusuma; Dwiza Riana; Mohammed Fakhreldin; Ferda Ernawan</i>)
2	10.45 - 11.00	1571315559	A Resilient Image Watermarking Using Schur Decomposition, IWT, and Reinforcement Learning Optimization (<i>Nurul Ain Nafisah Muhamad; Anis Farihan Mat Raffei; Mohammed Fakhreldin; Ferda Ernawan</i>)
3	11.00 - 11.15	1571293915	DWT-Augmented Adaptive Spread-Spectrum Watermarking in Diffusion Latents (<i>Zhitao Han; Siau-Chuin Liew; Xiao-Zhi Gao; Anis Farihan Mat Raffei</i>)
4	11.15 - 11.30	1571293151	Enhancing Chili Leaf Disease Classification Using Multimodal Visual-Thermal Image Fusion (<i>Fitra Maulida; Khairun Saddami; Muhammad Subianto; Irvanizam; Asep Rusyana</i>)
5	11.30 - 11.45	1571319995	Patient Identity Persists in Federated Intracranial EEG: An Identifiability-Utility Analysis Under Subject-Disjoint Evaluation (<i>Mohammadreza Azimi; Maris Konisevs</i>)
6	11.45-12.00	1571315482	Dual-View Spatial Consistency Regularization for Few-Shot Hyperspectral Image Classification (<i>Heyun Zhao, Rohani Abu Bakar</i>)

PROGRAM SCHEDULE – Parallel Session Schedule

Virtual Room 5 (Intelligent Systems, Image Processing and Emerging Technologies)

Thursday, September 3, 2026, Session Chair: Dr. Nurul Izzatie Husna Fauzi

No	Times	Paper ID	Titles & Authors
1	14.00 - 14.15	1571325608	Standalone SqueezeNet for Accurate and Resource-Efficient Tomato Leaf Disease Classification (<i>Yudi Susanto; Kusrini; Afrig Aminuddin; Hairani; Haithm Elhadi; Pingkan Mayosi Fitriana</i>)
2	14.15- 14.30	1571326396	Uncertainty-Calibrated Test-Time Adaptation for Cross-Dataset Breast Ultrasound Segmentation (<i>Haryoko; Afrig Aminuddin; Bahrn Ghazali; Hairani; Tuty Asmawaty Abdul Kadir; Ferda Ernawan</i>)
3	14.30 - 14.45	1571283520	Utilizing Graph Neural Network for Detection of Islamic Disinformation on Social Media (<i>Muhammad Irfan Zulkarnain; Ikhwan Hafiz Bin Muhamad; Mohd Zamri Ibrahim</i>)
4	14.45 - 15.00	1571325605	Regional Flood Early Warning Calibration Under Geographic Shift and Sparse Sensors (<i>Haryoko; Afrig Aminuddin; Lilis Dwi Farida; Hairani; Yagoub Abbker Adam; Ngahzaifa Ab. Ghani</i>)
5	15.00 - 15.15	1571315349	Human Detection Using Enhanced Particle Swarm Optimization in Occlusion Condition (<i>Nur Afrina Nasuha Mohamed Izeaham, Zalili Musa, Nurul Izzatie Husna Fauzi, Junzo Watada</i>)

Virtual Room 6 (Robotics, IoT, Networking and Intelligent Systems)

Thursday, September 3, 2026, Session Chair: Dr. Ziti Fariha Mohd Apani

No	Times	Paper ID	Titles & Authors
1	14.00 - 14.15	1571277325	Adaptive Domain-Knowledge Scheduling for Healthcare IoT Fog-Cloud Systems via Dual-Bandit Task-Tier Routing (<i>Zafril Rizal M Azmi; Abbas Saliimi Lokman; Muhamad Idaham Umar Ong; Najmul Haque; Saydul Akbar Murad</i>)
2	14.15- 14.30	1571286227	Body-State Supervisory Modulation with Dynamic Support Trajectory for Hexapod Robot Locomotion on Deformable Terrain (<i>Nur Salasus Salwa Binti Khairul Anuar; Addie Irawan</i>)
3	14.30 - 14.45	1571296324	From Reactive to Proactive: GRU-Based Dynamic Link Cost Prediction for QoS-Aware SDN Routing (<i>Imran Edzereiq Kamarudin; Mohamed Ariff Ameen; Md Arafatur Rahman</i>)
4	14.45 - 15.00	1571298323	Scenario-Based Federated Learning for Privacy-Aware IoT Botnet Intrusion Detection (<i>Hassan Shafei</i>)
5	15.00 - 15.15	1571293285	A Minimum Viable Intelligent IoT Architecture for Oyster Mushroom Environmental Monitoring and Control (<i>Nor Azhar Ahmad; Nabilah Filzah Mohd Radzuan; Ameerah Muhsinah binti Jamil; Nurul Izzatie; Mahathir Rahmany; Liang Han Sheng</i>)
6	15.15 - 15.30	1571282378	Design and Development of an Autonomous Examination Paper Distribution Robot Using ROS 2 and LiDAR (<i>Amran Abdul Hadi; Muhamad Ammar Ifran Mohamad Suhaimi; Raja Mohd Taufika Raja Ismail; Md. Rizal Othman; Saifudin Razali</i>)

PROGRAM SCHEDULE – Parallel Session Schedule

Virtual Room 7 (AI for Health, Education and Human Development)

Thursday, September3, 2026, Session Chair: Dr Nor Azuana Ramli

No	Times	Paper ID	Titles & Authors
1	14.00 - 14.15	1571286256	Molecular Determinants of Caco-2 Permeability Using 2D and 3D Descriptors for Drug Discovery (<i>Wei Feng Tan; Raihana Edros; Ruihai Dong</i>)
2	14.15- 14.30	1571302222	Explainable Ensemble Learning Model Integrating Multidimensional Descriptors for CYP450 Inhibition Prediction (<i>Wei Feng Tan; Raihana Edros; Ruihai Dong</i>)
3	14.30 - 14.45	1571312128	Comparative Evaluation of Twin Delayed Deep Deterministic Policy Gradient Reinforcement Learning for Integrated Electrical-Hydrogen Energy Systems (<i>Zu Longyu; Norhafidzah Mohd Saad; Mohammad Fadhil Abas</i>)
4	14.45 - 15.00	1571283875	Minimizing Generation Cost and Emissions in Economic Dispatch Using the Gold Rush Optimizer (<i>Nor Rul Hasma Abdullah; Muhammad Izwan Khairuddin; Ibrahim H Shanono; Rosdiyana Samad; Mahfuzah Mustafa; Lailatul Niza Muhammad</i>)
5	15.00 - 15.15	1571314819	Machine Learning-Based Short-Term Load Forecasting for Campus Energy Monitoring: A Case Study of UMPSA Region 3 (<i>Syasya Karmila Zainuddin; Amran Abdul Hadi; Raja Mohd Taufika Raja Ismail; Mohamad Rahimi Mohamed Rodzi</i>)