

**Parallel Session Day 1 (12 November 2025 - Wednesday)**

Parallel Session Day 1 (12 November 2025 - Wednesday)			
<b>11:30 - 13:00</b>	<b>Parallel Session 1</b>		
	Signal Processing, Computer Vision & Engineering	Cognitive Science and Computational Biology	Artificial Intelligence & Soft Computing
	Room: Seminar Hall	Room: BK12	Room: BK17
	Session Chair: Dr. Aiman Zakwan bin Jidin	Session Chair: Ts. Dr. Nurfatihah Binti Azmi	Session Chair: Ts. Dr. Muhammad Noorazlan Shah bin Zainudin
11:30 - 11:45	<b>Plenary Speaker:</b> Assoc. Prof. Dr. Nurulfajar bin Abd Manap Bridging Real and Virtual Worlds: Integrating Spatial Computing into Signal and Vision Systems	<b>Plenary Speaker:</b> Assoc. Prof. Ir. Dr. Syafeeza binti Ahmad Radzi Bridging Mind and Biology: AI-Driven Autism Understanding through Cognitive and Computational Intelligence	1571172721 - Intrusion Detection System for IoT Using Lightweight Hybrid Deep Learning Karrar Majid Jasim; Jolan Rokan Naif
11:45 - 12:00	1571193620 - Deep Learning-Based Automatic Colorization of Legacy Grayscale Images for Cultural Heritage Preservation Nurulfajar Abd Manap; Muhammad Fakhrul Hafeez Mohd Fauzi	1571202892 - Dataset Distribution and Annotation Challenges in Multifruit Disease Detection with YOLO Models Syafeeza Ahmad Radzi	1571191724- Empirical Comparison of Transformer Architectures for Binary Classification Using a Multi-Metric Framework Balancing Predictive Accuracy and Computational Efficiency Md. Mortuza Ahmmed; Hasin Almas Sifat; Koushik Biswas Arko; M. Mostafizur Rahman; Mufti Mahmud
12:00 - 12:15	1571193058 - BrewLens: Smart Coffee Bean Scanner and Market Guide Malcolm Jasper C. Frias; Andreij Lacson; John Luis S Mago; Mc Joben R. Reyes	1571208343 - Cognitive Load and Skill Development in Extreme E-Service-Learning: An Engineering Students' Perspective Azizah Yusof	1571192486 - Cardiovascular Health Insights & Prediction System Using Ensemble Models Zhong Xian Sim; Nurulaqilla Khamis; Shafishuhaza Sahlan; Hazlina Selamat
12:15 - 12:30	1571204717 - Framework Development of the Sustainable Imaging Quality Inspection System for Automotive Metal Stamping Parts Using Machine Learning Presenter: Wahyono Widodo	1571205902 - Optimizing Light Source Selection for Fiber-Optic Limonene Sensors: Comparative Study of Blue, Green, and Red LEDs Hazura Haroon; Thanigai Anbalagan; Hanim Abdul Razak; Anis Suhaila Mohd Zain; Siti Idris; Nurjuliana Juhari	1571203041 - Real-Time Transformer Fault Detection: A Comprehensive Review of Hybrid Vision Transformer and YOLO Models Mardzulliana Binti Zulkifli; Ridza Ramlee; Syafeeza Ahmad Radzi; Nur Syuhada Amir Hamzah; Muhammad Farhan Norazmani (Virtual Presentation)

12:30 - 12:45	1571208082 - Optimizing Hidden Neuron Count in a Shallow ANN for EEG Seizure Detection Presenter: Zamry Zakaria	1571206031 - Designing for Cognitive and Emotional Support: A Mobile Coloring Book Prototype for Mindfulness Farah Azman; Nur Nabilah Syakila Noruddin	1571193905 - Individual and Institution Level Analysis of Agricultural Drone Technology Adoption: A Literature & Empirical Study Yusril Rahman; Tony Dwi Susanto
12:45- 13:00	1571200543 - Real Time Procedural Audio for Immersive Gameplay with MetaSounds Fardani Annisa Damastuti; Kenan Firmansyah; Yunifa Miftachul Arif; Rizky Yuniar Hakkun; Ibrohim Yofid Fananda; Irma Wulandari; Aji Sapta Pramulen; Jauari Akhmad Hasim; Zulhaydar Akbar (Virtual Presentation)	1571203084 - Emergency Response Simulator: Learn and Save Lives Nur Raidah binti Rahim; Sazilah Salam; Che Ku Nuraini Che Ku Mohd; Wan Mohd Yaakob Wan Bejuri; Siti Aisyah Mohd Nasron; Richki Hardi (Virtual Presentation)	1571210142 - Optimization of Doped PANI/Go-Based Perovskite Solar Cells Using Hybrid Predictive Modeling Technique - Fauziyah Salehuddin; Nabilah Ahmad Jalaludin; Faiz Arith; Nurul Farina Mohd Nazli; Siti Aisah; Anis Suhaila Mohd Zain; Khairil Ezwan Kaharudin
13:00 - 14:30	Lunch Break (Banquet Room)		
14:30 - 16:30	Parallel Session 2		
	Artificial Intelligence & Soft Computing	Network and Security	Artificial Intelligence & Soft Computing
	Seminar Hall	Room: BK12	Room: BK17
	Session Chair: Dr. A. K. M. Zakir Hossain	Session Chair: Ts. Siti Rosmaniza Binti Ab Rashid	Session Chair: Assoc. Prof. Dr. Kok Swee Leong
14:30 - 14:45	<b>Plenary Speaker:</b> Prof. Ts. Dr. Burhanuddin bin Mohd Aboobeider Automated Node-Level Diagnostics and Improvement of Tree Models using XGBoost and OpenAI	1571210019 - Performance Evaluation of Handover Control Parameters in Non-Standalone Dual Connectivity 5G mmWave Networks Under a Realistic Simulation Environment Tehseen Ullah Khattak; Vigneswara Rao Gannapathy; Siva Kumar Subramaniam; Ahamed Tuani; Siti Aisyah Anas	<b>Plenary Speaker:</b> Assoc. Prof. Dr. Choo Yun Huoy Machine Learning Operations (MLOps): Bridging the Gap from Model to Production

14:45 - 15:00	1571194387 - Modelling Adaptive Empathy Through Habituation Effects in Social Agents Nurul Husna Mukhtar; Azizi Ab. Aziz; Husniza Husni	1571205375 - Educators' Perception Towards Engineering Graduates' Skills at Malaysian Higher Education Institution Towards Sustainability Hasan Saleh	1571209921 - Towards Computing Futures in Education: An Adaptive Decision Model for Teacher-School Matching with Explainable Outputs Roshayati Osman; Mohd Zakree Ahmad Nazri; Zulkefli Bin Mansor; Azlin Binti Ramli (Virtual)
15:00 - 15:15	1571202521 - RGB Image Interpolation Using Cubic q-Bezier Triangular Patches Samsul Ariffin Abdul Karim; Owen Tamin; Ervin Gubin Moug; Jumat Sulaiman; Faheem Khan; Zamani Md Sani	1571209909 - Connecting Policy and Network Controls: Experimental Evaluation of an Integrity-Centred ICT Security Framework for Malaysian Education Azlin Binti Ramli; Darus Mohamad Yusof; Fakariah Hani Mohd Ali; Roshayati Osman (Virtual)	1571210184 - Performance Improvement of CsPbI3 Perovskite Solar Cells Using Taguchi-GRA Based Predictive Modeling Fauziyah Salehuddin; Nurul Farina Mohd Nazli; Faiz Arith; Siti Aisah; Nabilah Ahmad Jalaludin; Anis Suhaila Mohd Zain; Khairil Ezwan Kaharudin
15:15 - 15:30	1571202515 - Modeling Post Treatment Orthodontic Curves Using Natural Cubic Spline and Hermite Spline Interpolation Samsul Ariffin Abdul Karim; Sharmila Karim; Rahela Abdul Rahim; Si Yee Choo; Pennie Loi	1571193948 - Drone Technology for Smart Farming: Applications, Opportunities, Challenges, and Technical Specifications Muhammad Amirul Mukminin; Tony Dwi Susanto	1571210389 - Machine Learning for Scholarship Prediction: A Systematic Review of Eligibility and Acceptance Models Muhammad Thoriq; Sakinah Ali Pitchay; Farida Ridzuan
15:30 - 15:45	1571202360 - Improved Delaunay Triangulation Based on Support Vector Regression and Laplacian Smoothing Samsul Ariffin Abdul Karim; Owen Tamin; Ervin Gubin Moug; Jumat Sulaiman; Mawardi Bahri; Abdul Ghaffar; Zamani Md Sani	1571208312 - EnCAS: Feed-Forward Neural Network for Time-Efficient Cover Selection in Audio Steganography Taqiyuddin Anas; Farida Ridzuan; Sakinah Ali Pitchay (Virtual Presentation)	1571209208 - AI Induced Burnout in Tech: A SHAP Based Diagnostic Study with an HCI-Guided Intervention Model Sakshi Kiran Naik

<p>15:45 - 16:00</p>	<p>1571201685 - Deep Convolutional Neural Networks for Precision Agriculture: Automated Pomegranate Disease Classification Sumshun Nahar Eity; Tanisha Fairooz; Hasan Mahmud; Amina Tasnim Oishe; Sharfuddin Mahmood; Md. Mortuza Ahmmed</p>	<p>1571203088 - A Blockchain Driven Secure Privacy Enforcement System for Personally Identifiable Information at the Pre-Transit Phase in Web Systems Md. Azizul Hakim Sowrov; Rashed Mazumder (Virtual Presentation)</p>	<p>1571209348 - The Application of Artificial Intelligence in Educational Evaluation: A Bibliometric Analysis Wahyu Ramdhani</p>
<p>16:00 - 16:15</p>	<p>1571202476 - Experimental Evaluation of PSO-PID Controller in Precision Pneumatic Actuator Applications Faiez Ezzuddin Esham; Sharatul Izah Samsudin; Khairuddin Osman</p>		<p>1571208411 - MultiBanAbs: A Comprehensive Multi-Domain Bangla Abstractive Text Summarization Dataset Md. Tanzim Ferdous; Naeem Ahsan Chowdhury; Prithwiraj Bhattacharjee (Virtual Presentation)</p>
<p>16:15 - 16:30</p>	<p>1571200993 - An Attention-Based CNN Framework with Hybrid Annotation for Multiclass Screening of Postpartum Depression Afsana Hena; Nazneen Akhter; Jasiya Fairiz Raisa (Virtual Presentation)</p>		

**Parallel Session Day 2 (13 November 2025 - Thursday)**

Parallel Session Day 2 (13 November 2025 - Thursday)			
9:00 - 11:30	Parallel Session 3		
09:00-11:00	IoT and Data Analytics	Signal Processing, Computer Vision & Engineering	Artificial Intelligence & Soft Computing
	Seminar Hall	Room: BK12	Room: BK17
	Session Chair: Ts. Dr. A. Shamsul Rahimi bin A. Subki	Session Chair: Ts. Dr. Mohd Syafiq bin Mispan	Session Chair: Ts. Dr. Khairul Azha Bin A Aziz
09:00 - 09:15	<b>Plenary Speaker:</b> Ts. Dr. Norihan binti Abdul Hamid Lightweight Computer Vision and IoT Integration for Real-Time Drowsiness Detection	1571210381 - Wideband Effect of CPW Felt Wearable Antenna on Human Skin Layer Phantom at 1.8 GHz, 2.4 GHz and 3.5 GHz Badrul Hisham Ahmad; Muhammad Syafiq Noor Azizi; Nornikman Hassan; Mohamad Hafize Ramli	1571203034 - Deep Learning Approach for Covid-19 Detection: Integrating CNN & LSTM Using Chest X-Ray Nur Syuhada Amir Hamzah; Ridza Ramlee; Masrullizam Mat Ibrahim; Mardzulliana Binti Zulkifli
09:15 -09:30	1571193904 - AquaSense Solutions: Internet-Of-Things-Based Water Quality Monitoring System Rovic G Batacandolo; Cristan Guzman Ramos; Eleazar Concepcion de Guzman; Angel Rose C. Alfonso; Mc Joben R. Reyes	1571193846 - Enhancing S&P 500 Forecasting with Multi-Source Sentiment Analysis from Social Media and Financial Videos Carmel Natasha Barnabas; Tan Chye Cheah	1571202602 - Comparative Analysis of Machine Learning Architectures for Multimodal Cloud-to-Ground Lightning Classification Using CAPPI Radar and Electric Field Data Xian Gie Cheah; Mawarni Mohamed Yunus; Nor Azlan Mohd Aris

09:30 - 09:45	<p>1571199828 - Tracing Connectivity: Mobile Network User Trends and Transformations in Bangladesh Between 2015 to 2024</p> <p>Md. Mortuza Ahmmed; Tamim Hasan Apurbo; Mahdi Hassan Noor Asif; Safwan Mahmud Anik; M. Mostafizur Rahman; Mufti Mahmud</p>	<p>1571203140 - A Multilingual Deep Learning Framework for Sign Language Recognition and Translation</p> <p>Sharmin Islam Shroddha; Sumaia Anjum Shaba; Sudipto Biswas; Siam Tahsin Bhuiyan; Rashedur Rahman; Saadia Binte Alam; Ashraful Islam (Virtual Presentation)</p>	<p>1571203124 - Zero-Shot Indonesian Food Classification with CLIP: Cultural Adaptation Through Prompt Engineering</p> <p>Yeni Dwi Rahayu; Slamet Riyadi</p>
09:45 - 10:00	<p>1571209502 - A Modularized Cloud Computing Adoption for E-Government System</p> <p>Ban Salman Shukur; Mohd Khanapi Abd Ghani; Maad Mijwil, Mmm; Burhanuddin Mohd Aboobaider; Ali S. Abed Al Sailawi</p>	<p>1571202695 - Toward Generalized Detection of Synthetic Media: Limitations, Challenges, and the Path to Multimodal Solutions</p> <p>Redwan Hussain; Mizanur Rahman; Prithwiraj Bhattacharjee (Virtual Presentation)</p>	<p>1571196255 - BloomNet: Exploring Single vs. Multiple Object Annotation for Flower Recognition Using YOLO Variants</p> <p>Safwat Nusrat; Prithwiraj Bhattacharjee (Virtual Presentation)</p>
10:00 - 10:15	<p>1571174335 - Black Pepper: a Predictive Model Integrating NDVI, ROC, and SWA for NPK Optimization</p> <p>Anding Nyuak; Edwin Mit; Siti Fatia Mohamad Ali</p>	<p>1571202648 - MIME: Multi-Strategy Imbalance Mitigation Engine for Skin Cancer Classification</p> <p>Md. Nasif Safwan; Souhardo Rahman; Md. Abdulla Al Hasib; Md. Hasibul Islam; Mahamodul Hasan Mahadi; Mohammad Nasir Uddin</p>	<p>1571209916 - Fuzzy-Logic-Based Multi-Sensor Fusion for Marine Engine Health Diagnostics</p> <p>Mohd Fairuz Nasir; Mawarni Mohamed Yunus</p>
10:15 - 10:30	<p>1571202870 - A Methodology for Generating Synthetic Test Case - Requirement Data for Traceability Matrix and Test Suite Reduction Research</p> <p>Haw Yuan Kang; Raja Rina Raja Ikram; Kamal Z Zamli</p>	<p>1571202740 - Design and Analysis of a Circularly Polarized UHF RFID Reader Antenna with Machine Learning-Based Performance Prediction</p> <p>Ergün Yilmazer; Merih Palandoken (Virtual Presentation)</p>	<p>1571203730 - Evaluating Metaheuristic Strategies for Cost-Effective Team Formation Using Chaotic Maps and Roulette Wheel Selection</p> <p>Raja Rina Raja Ikram; Kurk Wei Yi; Kamal Z Zamli; Nurul Aisyah Aris</p>

10:30 - 10:45	1571193157 - Risk Model of Digital Customer Engagement in Rental Collaborative Consumption Platforms Muhammad Faiz bin Nasir (Virtual Presentation)	1571206384 - Forecasting Cocoa Prices in Tawau, Sabah: A Comparative Time Series Approaches Using ARIMA and Exponential Smoothing Sharmila Karim; Rohaiza Zakaria; Hashibah Hamid; Samsul Ariffin Abdul Karim; Nabilah Abu Bakar (Virtual)	1571202626 - Diabetes Classification Based on Clinical Risk Factors Using Supervised Machine Learning and KNN-XGBoost Ensemble Md. Najmul Islam (Virtual Presentation)
10:45 - 11:00			