International Conference on Engineering Technology and Technopreneurs 2025 (ICE2T 2025)

Date : **2nd September 2025 (Day 1 - Afternoon)**
Session : **1A**
Venue : **Continuum at Level 3A, Nexus**
Theme : **AI, IT & System**

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
MIIT		1415 – 1430 1430 – 1445 1445 – 1500	**KEYNOTE 1 – DR. GULNARA ABITOVA** **TITLE – AI TECHNOLOGY FOR AUTOMATION OF THE RARE METAL PRODUCTION** *(30 minutes for talk + 10 minutes for Q&A + 5 minutes buffer to next session)*			
	1	1500 – 1515	An IoT-Based Monitoring and Hazard Alert System for Sustainable Server Room Management	Nur Zaimah Ahmad	**EO-498**	Prof. Dr. Megat Farez Azril Zuhairi **(MIIT)**
	2	1515 – 1530	Digital Twins and AI for Complex Process Automation in Non-Ferrous Metallurgy	Gulnara Abitova	**EO-559**	
	3	1530 – 1545	Validation of a Parameter-Based Deterministic Residual Damage Cost Model for Timber Harvesting	Suzana Kassim	**EO-488**	
	4	1545 – 1600	Unsupervised Deep Learning for Image Enhancement: Adversarial Approaches to Color Restoration	Harsh Patel	**EO-877**	
	5	1600 – 1615	Cross-Linguistic Comparative Analysis of Brand Related Keyword Identification in Both English and Urdu: An Implementation Spacy NER Methodology	Talha Khan	**EO-29**	
	6	1615 – 1630	Determinants of Business Technology Strategy among Influencerpreneurs: An Empirical Hypothesis Testing Approach	Farahwahida Mohd	**EO-62**	

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
MIIT	**7**	1630 – 1645	Assessing Virtual Reality Acceptance Through the Technology Acceptance Model: A Study Based on TAM Questionnaire Adaptation and Validation	Nur Aqilah Tahir	**EO-306**	Prof. Dr. Megat Farez Azril Zuhairi **(MIIT)**
	8	1645 – 1700	Driving Sustainable Urban Practices Through Gamification and Blockchain	Rayaan Amre	**EO-949**	
	9	1700 – 1715	Multi-Output Neural Network-Based Prediction Model in Predicting Detailed Anthropometric Variables for Malaysian Children Clothing Industry	Nurashikin Saaludin	**EO-245**	
	10	1715 – 1730	Public Perception on Social Media using Sentiment Analysis about MIIT	Hadi Basyir Haron	**EO-473**	

Date : 3rd September 2025 (Day 2 - Morning)
Session : 2A
Venue : Continuum at Level 3A, Nexus
Theme : AI, IT & System, Cyber Security

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
MIIT		0900 – 0915	**KEYNOTE 2 – PROF. TS. DR. MOHAMAD YUSOFF ALIAS**			
		0915 – 0930	**TITLE - INNOVATIONS IN MOBILE TECHNOLOGIES: SHAPING THE FUTURE OF CONNECTIVITY**			
		0930 – 0945	*(30 minutes for talk + 10 minutes for Q&A + 5 minutes buffer to next session)*			
	1	0945 – 1000	An Overview Analysis of SBOM Tooling Ecosystem: An Extended Abstract	Mohd Nizam Mohd Mydin	**EO-226**	Dr. Shafiza Mohd Shariff & AP Dr Munaisyah Abdullah **(MIIT)**
	2	1000 – 1015	Design of Methods to Detecting of the Malicious Activity in a Computer System	Gulnara Abitova	**EO-546**	
	3	1015 – 1030	A Unified Approach to Coverage and Capacity Plannin+D80:D132g for Optimizing WLAN QoS in Higher Education	Roziyani Rawi	**EO-472**	
	4	1030 – 1045	Development of Methods for Improving Homomorphic Encryption, Key Management and Their Joint Use in Cybersecurity	Gulnara Abitova	**EO-548**	
	5	1045 – 1100	Efficiency of Machine Learning Methods in Information Security Audit Tasks: A Comparative Analysis.	Zamira Mukhtarova	**EO-563**	
	6	1100 – 1115	Development of an Interactive Platform for Teaching Cyber Hygiene to Users Using Gamification Technologies	Gulnara Abitova	**EO-570**	
	7	1115 – 1130	The Rise of Mobile Learning and Its Effectiveness	Gulnara Abitova	**EO-574**	

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
MIIT	8	1130 – 1145	Linear Codes associated with Punctual Hilbert Schemes of Irreducible Curve Singularities	Masahiro Watari	EO-205	Dr. Shafiza Mohd Shariff & AP Dr Munaisyah Abdullah **(MIIT)**
	9	1145 – 1200	A Conceptual Framework for Optimizing Communication in Agile Requirements Elicitation	Ayesha Anees Zaveri	EO-189	
	10	1200 –1215	From Adoption to Integration: Examining TVET Students' Acceptance of Generative AI Tools in Malaysian Higher Education	Nur Dayana Ahmad Daud	EO-346	
	11	1215 – 1230	Understanding Drivers of AI Chatbot Adoption in Higher Education: A Systematic Review Approach	Irma Syarlina Che Ilias	EO-313	
	12	1230 – 1245	A Conceptual Model for Digital Governance in Oman: Integrating TAM with Context-Specific Adoption Factors	Mustafa Sulaiman Issa Al-Riyami	EO-422	
	13	1245 – 1300	Methods of implementing SIEM/SOAR systems based on Open Source Solutions for Building Situational Centers Monitoring the Activity of The Information Space	Dauren Sagidullauly	EO-540	
	14	1300 – 1315	Real-Time Noise Reduction in Low-Light Urban Imagery Using Adaptive Multi-Scale Gaussian Filtering with Brightness-Weighted Edge Preservation	Md Mominul Haque	EO-833	

Date : **2nd September 2025 (Day 1 - Afternoon)**
Session : **1B**
Venue : **Pinnacle 8 at Level M1, The Vertical**
Theme : **Electrical Engineering, Medical Electronics Engineering**

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
BMI		1415 – 1430	**KEYNOTE 3 – PROF. ULUNG DATUK DR. HARITH BIN AHMAD**			
		1430 – 1445	**TITLE – EMERGING LIGHT TECHNOLOGY AS AN ENABLER FOR THE BETTERMENT OF MANKIND**			
		1445 – 1500	*(30 minutes for talk + 10 minutes for Q&A + 5 minutes buffer to next session)*			
	1	1500 – 1515	Structurally Optimized Self-Adaptive Attention for Explainable CNN–LSTM Networks in Chest X-ray Classification	Fatin Nabilah Shaari	**EO-611**	Dr. Faezah Harun **(BMI)**
	2	1515 – 1530	Improving Coronary Artery Stenosis Classification Using Synthetic ECG Data from WGAN-GP	Mohd Syazwan Md Yid	**EO-619**	
	3	1530 – 1545	Severity of Coronary Artery Disease Detection Based on Synchronized Waveform of Electrocardiogram and Photoplethysmogram using Deep Learning	Mohd Zubir Suboh	**EO-597**	
	4	1545 – 1600	How Do We Calibrate Occlusion Pressure of Infusion Device Analyzer?	Bumi Hera Rihlatu	**EO-27**	
	5	1600 – 1615	Embedded Multi-Modal Drowsiness Detection: Optimizing Fixed-Point Classifiers for EEG and PERCLOSE Fusion	Muhyi Yaakop	**EO-616**	
	6	1615 – 1630	Comparative Study of Oscillometric Methods of Ambulatory Blood Pressure Measurement Using K&H KL-75005 Module and New Tech PM-9300	Aqeela Nadia Rosli	**EO-524**	

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
BMI	**7**	1630 – 1645	Long-Term Solar Irradiance Prediction through Machine Learning Techniques: A Case Study of Muscat, Oman	Dr Mazhar Hussain Baloch	**EO-879**	Dr. Faezah Harun **(BMI)**
	8	1645 – 1700	Design of Wireless Sensor Node Powered by Kinetic Energy Harvesters	Noor Hidayah Mohd Yunus	**EO-172**	
	9	1700 – 1715	Enhancing Sustainable Power System Stability Using ANN-Jaya-PID Controllers for Load Frequency Control	Yogeswaran Seleappan	**EO-398**	
	10	1715 – 1730	Modernizing Traditional Culinary Processes: An IoT-Based Lemang Rotator for Small-Scale Food Enterprises	Norziany Mohd Noor	**EO-477**	

Date : **2nd September 2025 (Day 1 - Afternoon)**
Session : **1C**
Venue : **Pinnacle 7 at Level M1, The Vertical**
Theme : **Electrical Engineering**

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
BMI	**1**	1415 – 1430	Enhancing Photovoltaic Output Feasibility Through Intelligent Solar Tracking: A Review of IoT And Image Processing Integration	Aidil Iskandar Zubir	**EO-403**	Ts. Dr. Julie Roslita Rusli **(BMI)**
	2	1430 – 1445	Back to Back Converter Torque Ripples Analysis Using Alternate Switching Pattern Space Vector Pulse Width Modulation (ASPSVPWM) - Permanent Magnet Synchronous Motor (PMSM) in Wind Energy Conversion System (WECS)	Mohammed Mohiuddin	**EO-446**	
	3	1445 – 1500	Intelligent Infrastructure: Empowering Efficiency Through KNX System	Saharuddin Othman	**EO-395**	
	4	1500 – 1515	Eco-Robotics for Urban Lawns: A Solar-Powered Autonomous Mower with Intelligent Navigation and Obstacle Avoidance.	Muhammad Rafi'Uddin Soleh Aris Fazilah	**EO-449**	
	5	1515 – 1530	Analysis of Modeling Techniques and Structural Topologies for Double Stator Permanent Magnet Machines	Fithri Muliawati Mubarok	**EO-355**	
	6	1530 – 1545	The Development of Automatic Solar Tracker Using LDR With Arduino Uno Microcontroller	Aidil Iskandar Zubir	**EO-408**	
	7	1545 – 1600	Harnessing Flowing Water for Sustainable Energy: A Waterpower Generator to Replace Fuel-Based Systems in Remote Communities	Mohd Akram Dandu	**EO-471**	

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
BMI	**8**	1600 – 1615	Optimal Design of C-Type Filter for Harmonic Mitigation using Mixed-Integer Distributed Ant Colony Optimization	Ibrahim Alhamrouni	**EO-506**	Ts. Dr. Julie Roslita Rusli **(BMI)**
	9	1615 – 1630	Performance of 5.4kW PV Panel Installation at UniKL BMI	Azmi Hashim	**EO-476**	
	10	1630 – 1645	Simulation and Analysis of Sustainable Management of Stagnant Water Using Solar and Battery Powered Pumps	Rohaida Hussain	**EO-350**	
	11	1645 – 1700	Strategic Synchrophasor Placement for Efficient Monitoring of Large-Scale Power Systems: An Integer Linear Programming Approach	Ibrahim Mohamed Ali Alhamrouni	**EO-511**	

Date : 3rd September 2025 (Day 2 - Morning)
Session : 2B
Venue : Pinnacle 10 at Level M1, The Vertical
Theme : Telecommunication Engineering, Electronic Engineering

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
BMI	**1**	0900 – 0915	Feed Configuration Analysis on Single Input Single Output (SISO) Microstrip Array Antenna for Non-Contact Respiratory Monitoring System	Radial Anwar	**EO-621**	Assoc. Prof. Ts. Dr. Zuhanis Mansor **(BMI)**
	2	0915 – 0930	Global Review on 1400 MHz Spectrum for IMT: Regulatory Support, Technological Readiness, and Market Ecosystem Dynamics	Alfin Hikmaturokhman	**EO-741**	
	3	0930 – 0945	Enhanced IoT-Based Dual-Factor Authentication System for Secure Data Center Access Control	Ahmad Roshidi Bin Amran	**EO-489**	
	4	0945 – 1000	Development and Characterization of Oil Palm Fruit Fibers Reinforced Polycaprolactone And Reduced Graphene Oxide Composite Substrates For 5G Millimeter Wave Applications	Ali Hamad Ali	**EO-432**	
	5	1000 – 1015	Evaluation of Indoor 4G and 5G Mobile Network Coverage and Performance	Nor Khairiah Ibrahim	**EO-448**	
	6	1015 – 1030	Development of Integrated IoT System for Real-Time Monitoring and Detection of Environmental Changes in Manholes	Muhammad Hilmi Ghazali	**EO-372**	
	7	1030 – 1045	Development of Teaching and Learning Tools for Wireless Software Define Network	Ahmad Roshidi Bin Amran	**EO-493**	

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
BMI	**8**	1045 – 1100	Analysis on UHF Microstrip Antenna with Ground Reflector for Transient Radio Telescope Application	Radial Anwar	**EO-606**	Assoc. Prof. Ts. Dr. Zuhanis Mansor **(BMI)**
	9	1100 – 1115	Triboelectric Nanogenerators: A Transformative Energy Technology—From Basics to Real-World Use	Nuraliza Norawzi	**EO-25**	
	10	1115 – 1130	Artificial Intelligence as a Catalyst for Achieving SDG 4 and SDG 9: Bridging Education, Innovation, and Infrastructure	Md. Safaet Hossain	**EO-693**	
	11	1130 – 1145	Optimizing Real-time Waste Object Detection and Classification using YOLO-based Architectures	Rajendran S	**EO-643**	
	12	1145 – 1200	Artificial Intelligence Analysis of Spearmint's growth rate in a Smart Aquaponics Systems using Deepseek R1 and OpenAI o3-mini models	Muhammad Suzarilshah Bin Zakaria	**EO-149**	
	13	1200 –1215	Design and Development of Disabled Parking System for Smart City	Idris Abd Latiff	**EO-362**	
	14	1215 – 1230	LoRa System for Real-Time Health and Location Monitoring of Hikers	Siti Marwangi Mohamad Maharum	**EO-199**	
	15	1230 – 1245	Comparison Study of Corn Crop Diseases Detection using Deep Learning YOLO-v8 based on Drone and Handheld Camera	Balqis Budiman	**EO-200**	

Date : 3rd September 2025 (Day 2 - Afternoon)
Session : 3
Venue : Continuum at Level 3A, Nexus
Theme : Electronic Engineering

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
BMI	**1**	1415 – 1430	Smart Fabric Triboelectric Nanogenerator for Self-Powered Devices	Ili Farhana Mohamad Ali Nasri	**EO-22**	Nor Shafiqin Shariffudin **(BMI)**
	2	1430 – 1445	Impact of Emerging Technologies on Construction Safety Performance: A Literature Review	Syed Muhammad Yasir Ashrafi	**EO-869**	
	3	1445 – 1500	AI-Based Thread Color Detection for Enhanced Accuracy and Quality Control in Textiles	Nurul Syakirah Mohd Zaki	**EO-202**	
	4	1500 – 1515	Development of Malaysian Local Food Calorie Estimator Using AI Machine Vision	Mohd Zaki Ayob	**EO-620**	
	5	1515 – 1530	Design and Validation of a Differential Capacitance-Based Sensor Using Interdigital Transducers for Malachite Green Detection in Water	Azman Abd Aziz	**EO-450**	
	6	1530 – 1545	Simulation-Based Design and Analysis of Feedback Signal for Sensor-less BLDC Motor Control	Ismail Adam	**EO-453**	
	7	1545 – 1600	Polarized Photoluminescence Study of GaAsBi grown by Molecular Beam Epitaxy	Faezah Harun	**EO-460**	

	No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
BMI	**8**	1600 – 1615	Efficient Energy Utilization Through Face Recognition–Based Location Tracking in Smart Buildings	Safyzan Salim	**EO-759**	Nor Shafiqin Shariffudin **(BMI)**
	9	1615 – 1630	Agritech Revolution: Paddy Yield Projections Using Machine Learning	Nur Amirah Sabrina Luqman	**EO-198**	
	10	1630 – 1645	Agricultural Spraying Machine for Disease and Pest Management	Vilasine Anantharaj	**EO-197**	
	11	1645 – 1700	Smart Farming with AI: Detection and Classification of Threats in Durian Orchards	Julie Roslita Rusli	**EO-248**	