

Conference Schedule

DAY 1 (TUESDAY, 26 AUGUST 2025)

08:15 - 08.45	Participant Registration
09:00 – 10.00	OPENING CEREMONY
10.00 – 10.30	MORNING REFRESHMENT
10.30 – 11.15	KEYNOTE SPEECH 1 : PROF. CHANG D. YOO Korea Advanced Institute of Science & Technology (KAIST), Korea
11:20 - 13:00	Technical Session 1A AI for Industry, Infrastructure, and Smart Systems Venue: Pacific Ballroom A Session Chair: Dr Norshaliza Kamaruddin Session Co-Chair: Dr Yusnaidi Md Yusof
11:20 – 11:40	Modeling Household Intentions to Reduce Food Waste Using Interaction-Based Machine Learning [ID: 1571164197] Normaisharah Mamat; Norul Hajar Nordin; Wan Noor Hamiza Wan Ali; Noor Jannah Zakaria; Aznilinda Zainuddin; Nor Azizah Mohd Yusoff
11:40 – 12:00	Swarm-Based Hyperparameter Tuning for LSTM in Collision Risk Index Prediction Using AIS Data [ID: 1571159631] I Made Dwi Putra Asana; I Made Oka Widyantara ; Linawati Linawati; Dewa Wiharta; Nyoman Gunantara, Gun; I Gusti Agung Komang Diafari Djuni Hartawan; Dhimas Widhi Handani
12:00 – 12:20	Random Forest-Based Classification of Railway Wheel Defects: A Comparative Data Perspective [ID: 1571165595] Nurfritri Muhamad Nasir; Siti Armiza Mohd Aris ; Yung Yaw Tay
12:20 – 12:40	SmartFire Vision: Advancing Fire Detection in Smart Cities by Hybrid Deep Learning Technique [ID: 1571149228] Asma Iqbal; Muhammad Azhar ; Muhammad Shafqat Ali; Muhammad Usman; Waqas Ahmad Wattoo; Muhammad Farhan
12:40 – 13:00	Determinants of Deployment Smart Road Asset Management for Real-Time Pavement Defects Detection [ID: 1571160390] Raftah Abdul Razak ; Noor Irza Mohd Zaki; Mohd Khairi Abu Husain
11:20 - 13:00	Technical Session 1B AI-Driven Innovations for Resource Optimization and Circular Economy (ONLINE) Venue: Pacific Ballroom B-C and Webex (Online) Session Chair: Dr Nur Diyana Kamarudin (UPNM) Session Co-Chair: Dr Nuraini Daud
11:20 – 11:40	Caries Detection in Dental Imaging Using Vision Transformer and Explainable AI [ID: 1571149102] Ifra Shabbir; Muhammad Azhar ; Muhammad Shafqat Ali; Chan Kit Ling; Waqas Ahmad Wattoo; Asma Iqbal

Conference Schedule

11:40 – 12:00	<i>Optimizing Beamforming and Transmit Power for Improving mmWave Wireless Network Performance [ID: 1571148767]</i> Parmida Geranmayeh; Eckhard Grass
12:00 – 12:20	<i>Semantic IoT-Based Audiobooks for Dyslexic Learners: Personalized Narration and Real-Time Adaptation [ID: 1571158644]</i> Nguyễn Xuân Nam; Huong Thanh Do; Huy Viet Vuong; Tu Pham Vu Minh; Mai Phuong Ngo; Tien Dat Ngo
12:20 – 12:40	<i>Cloud-Based Machine Learning for Responsible Research in Cardiovascular Disease (CVD) [ID: 1571128403]</i> Yuxuan Zhu; Wan Mohd Hirwani Wan Hussain
12:40 – 13:00	<i>DeepMyco: Large Language Models for Scaling Mycoremediation [ID: 1571149539]</i> Danika Gupta
11:20 - 13:20	Technical Session 1C Policy and Governance for Responsible and Ethical Use of AI (ONLINE) Webex (Online) Session Chair: Prof. Dr. Maslin Masrom Session Co-Chair: Dr. Basyarah Hamat
11:20 – 11:40	<i>HIV-1 Drug Efficacy Identification via Informative Knowledge Graph Selection on Graph Neural Network [ID: 1571158364]</i> Felza Ridho; Mohammad Isa Irawan, Sr.; Mohammad Iqbal; Dwi Wahyu Indriati
11:40 – 12:00	<i>Contextualizing AI Agent Evaluation: Proposed Framework for Japanese Businesses [ID: 1571162131]</i> Ryo Toyoda; Hidenori Kiyomoto; Seiichi Komayama; Hisashi Shigetani; Makoto Fukui
12:00 – 12:20	<i>AI in the Islamic Education to Enhance Personalized Learning: Applications and Future Aspirations [ID: 1571155109]</i> Jehad M Shehab, Dr. Jehad; Nurazmallail Marni; Mehmet Akif Kılıç; Siti Suhaila Ihwani; Fahrul Irfan Ishak
12:20 – 12:40	<i>Human Centered Design in 3D Character Modeling with Ethical Framework for AI [ID: 1571155234]</i> Ferric Limano
12:40 – 13:00	<i>Digitalizing Prevention and Detection of Violence Against Women and Girls Through Machine Learning [ID: 1571156633]</i> Mohammed Younsi; Mohammed Ismail; Omer Diaaeldin Abdalla Ismail; Yousra Chtouki
13:00 – 13:20	<i>The GREEN Way to Net Zero: AI-Enabled Agents for Sustainability and Innovation Management [ID: 1571144345]</i> Soo Beng Khoh; Magnus Penker
13:00 – 14:00	LUNCH BREAK
14:00 – 15:00	INDUSTRY FORUM SESSION by Mesolitica Sdn. Bhd, Telekom Malaysia Berhad & CAIRO-UTM

Conference Schedule

15:00 - 17:20	Technical Session 2A Policy and Governance for Responsible and Ethical Use of AI Venue: Pacific Ballroom A Session Chair: Assoc Prof Dr Mohd Rizal Mohd Isa (UPNM) Session Co-Chair: Dr Fiza Abdul Rahim
15:00 – 15:20	<i>Towards a Shariah-Based AI Adoption Model for Islamic Public Services in Malaysia [ID: 1571160237]</i> Nor Faizal Paiman; Hazlifah Mohd Rusli; Haslina Md. Sarkan; Yazriwati Yahya; Faizura Haneem Mohamed Ali; Mohd Nazri Kama
15:20 – 15:40	<i>A Holistic Framework for Data Governance: Advancing Data-Driven Decision-Making in Organization [ID: 1571160078]</i> Norhadiyati Binti Mohd Mokhtar; Nurulhuda Firdaus Mohd Azmi
16:00 – 16:20	<i>A Study on the Application of AIGC in Children's Food Packaging Design Supported by the AIRAI Cloud [ID: 1571159478]</i> Li yixuan Y LI, Yixuan; Maslin Masrom
16:20 – 16:40	<i>A Two-Phase Evolutionary Framework to Boost Adversarial Robustness in Neural Networks [ID: 1571154742]</i> Charanarravindaa Suriess; Nurul Maziah Mohd Barkhaya; Rathosivan Gopal
16:40 – 17:00	<i>AI in Education: Exploring the Benefits, Risks, and Future Potential: a Bibliometric Analysis [ID: 1571160147]</i> Jehad M Shehab, Dr. Jehad; Nurazmallail Marni; Diaya Ud Deen Deab Mahmoud Al Zitawi; Fahrul Irfan Ishak; Mehmet Akif Kılıç
17:00 – 17:20	<i>AI-Driven Behavioral Inference from Open Energy Data: Implications for Public Data Governance [ID:1571160941]</i> Yanis Fadili; Valérie Fernandez; Thomas Houy; Guillaume Guérard
15:00 - 17:20	Technical Session 2B AI for Industry, Infrastructure, and Smart Systems (ONLINE) Venue: Pacific Ballroom B-C and Webex (Online) Session Chair: Dr Yazriwati Yahya Session Co-Chair: Dr Hazlifah Mohd Rusli
15:00 – 15:20	<i>Optimizing Visual Comfort: Dialux-Based Redesign of Computer Lab Lighting Design [ID: 1571137802]</i> Marvin A. Radaza; Alaine Tess A. Cabije; Joecyn N Archival; Deolinda E. Caparroso; Marlito V. Patunob; Emelie C. Villaceran
15:20 – 15:40	<i>Hyper-Automated AIOps for Unified Operations Orchestration in Industry [ID: 1571154845]</i> Milankumar Rana; Nandita Giri; Sakhita Sree Gadde
16:00 – 16:20	<i>Deep Neural Networks for Block-Level Video Enhancement: Transforming LR AVS to HR HEVC Video [ID: 1571149129]</i> Mehmood Nawaz

Conference Schedule

16:20 – 16:40	<i>Harnessing AI and IoT for Smart Water Infrastructure: a Scalable Framework for Industry 4.0 Adoption [ID: 1571141675]</i> Siti Daleela Mohd Wahid; Wan Mohd Hirwani Wan Hussain; Mohamad Rohieszan Ramdan
16:40 – 17:00	<i>Edge-Mesh-Ledger: Federated AI and Blockchain Framework for Scalable Global Sustainability Solutions [ID: 1571153217]</i> Daozheng Qu; Yanfei Ma
17:00 – 17:20	<i>AI in Operational Strategy: GPT & Perplexity Models in BofA's 2025 Branch Closure Case Study [ID: 1571142386]</i> Yara Mohammed; Manar Alsaïd; Gahangir Hossain
17.20 – 18.00	<i>EVENING REFRESHMENT</i>
<i>END OF DAY 1 CONFERENCE</i>	

DAY 2 (WEDNESDAY, 27 AUGUST 2025)

08:45 - 09.00	Participant Registration
09:00 – 10.00	KEYNOTE SPEECH 2: PROF. LAM KWOK YAN Nanyang Technical University, Singapore
10.00 – 10.15	<i>MORNING REFRESHMENT</i>
10:15 - 11:15	Technical Session 3A AI for Industry, Infrastructure, and Smart Systems Venue: Pacific Ballroom A Session Chair: PM Dr Suriyati Chuprat
10:15 – 10:35	<i>Smart Blood Pressure System to Support Pregnant Women at High-Risk for Preeclampsia [ID: 1571159400]</i> Ahmad Fais Fison; Noor Azurati Ahmad; Yusnaldi Md Yusof; Amira Anisa Rahman Putra; Azizul Azizan; Ansariadi Ansariadi
10:35 – 10:55	<i>Improving Interpretability in Alzheimer's Prediction via Joint Learning of ADAS-Cog Scores [ID: 1571171568]</i> Nur Amirah Abd Hamid; Ibrahim Shapiai; Muhammad Thaqif Iman Mohd Taufek ; Mohd Shahrizal Rusli; Daphne Teck Ching Lai
10:55 – 11:15	<i>Enhancing Lane Detection Systems by Leveraging Segment Anything Integrated with Dual Attention Mecha [ID: 1571149474]</i> Aisyah Aiza Rosli; Ibrahim Shapiai; Noor Jannah Zakaria

Conference Schedule

11:35 - 12:55	Technical Session 4A Policy and Governance for Responsible and Ethical Use of AI Venue: Pacific Ballroom A Session Chair: Dr Hazlifah Mohd Rusli Session Co-Chair: Dr Yazriwati Yahya
11:35 – 11:55	<i>AI Impact on Housing Industry Innovation: a Bibliometric Analysis [ID: 1571155486]</i> Abdallah Shehab; Khairul Anwar Mohamed Khaidzir; Heba A M Shehab; Mehmet Akif Kılıç
11:55 – 12:15	<i>AI Applications in Architectural Design: a Bibliometric Analysis [ID: 1571159557]</i> Abdallah Shehab; Khairul Anwar Mohamed Khaidzir; Heba A M Shehab
12:15 – 12:35	<i>AI in Enhancing Student Academic Performance: A Bibliometric Analysis [ID: 1571159776]</i> Jehad M Shehab, Dr. Jehad; Nurazmallail Marni; Diaya Ud Deen Deab Mahmoud Al Zitawi; Mehmet Akif Kılıç
12:35 – 12:55	<i>AI-Driven Smart Classrooms: a Bibliometric Analysis of Adaptive Learning Environment [ID: 1571125269]</i> Hassan Abuhassna; Wei Lun Wong; Pan Qi; Fareed Awae
10:15 - 12:35	Technical Session 3B Policy and Governance for Responsible and Ethical Use of AI (ONLINE) Venue: Pacific Ballroom B-C and Webex (Online) Session Chair: Dr Wan Noor Hamiza Wan Ali Session Co-Chair: Dr Normaisharah Mamat
10:15 – 10:35	<i>Operationalizing ISO/IEC 42001: Requirements and Conformance Evidence for AI Management Systems [ID: 1571155162]</i> Kassem Saleh; Hanady M Abdulsalam
10:35 – 10:55	<i>MaelNet: Memorable Anomaly Election Learning Detecting Anomalies in Time Series Data Using Dual-Net [ID: 1571141831]</i> I Komang Ari Mogi; Ary Mazharuddin Shiddiqi; Baskoro Adi Pratomo; Choiru Zain; Muhammad Ismail; Anggito Anju Hartawan Manalu
10:55 – 11:15	<i>A Privacy-Aware Framework for Distributed AI in Regulated Environments [ID: 1571160438]</i> Sowjanya Pandruju
11:15 – 11:35	<i>Integrating Artificial Intelligence in Language Education: a Systematic Literature Review [ID: 1571141156]</i> Pan Qi; Nurul Farhana Jumaat; Hassan Abuhassna
11:35 – 11:55	<i>Artificial Neural Network Approach for Unit Commitment with Renewable Energy Integration [ID: 1571162796]</i> Siti Maherah Hussin; Madiah Md Rasid; Norazliani Binti Md sapari; Dalila Mat Said; Rozana Zakaria; Mohammed Khaled Hussein Omar
11:55 – 12:15	<i>Exploring the Key Drivers of CO2 Emissions in Australia [ID: 1571131594]</i> Safa Ghannam
12:15 – 12:35	<i>Large Language Models Application in Oil and Gas: Advances, Case Studies, and Future Directions [ID: 1571141757]</i> Shamsu Abdullahi; Kamaluddeen Usman Danyaro; Haruna Chiroma; Shamsuddeen Muhammad; Abubakar Zakari; Mujahed Abdullahi; Umama Umar; Noor Amila Wan Abdullah Zawawi

Conference Schedule

13:00 – 14:00	LUNCH BREAK
14:00 - 15:40	Technical Session 5A Green Computing and AI for Environmental Sustainability Venue: Pacific Ballroom A Session Chair: Dr Azizul Azizan Session Co-Chair: Dr Fiza Abdul Rahim
14:00 – 14:20	<i>Integrating Business Analytics in Healthcare Supply Chain Management: A Systematic Literature Review [ID: 1571152795]</i> Nur Azaliah Abu Bakar; Surya Sumarni Hussein; Hasimi Sallehudin
14:20 – 14:40	<i>Integrated E-Procurement Trend with Generative AI for Green Purchasing Policy [ID: 1571167162]</i> Wan Abdul Fattah Wan Abdullah; Rozana Zakaria; Siti Maherah; M Faizal Zukarnaini; Loganathan Ratana Singaram; Jawa Gara
14:40 – 15:00	<i>A Novel Approach to Improve Latency and Accuracy of NLP Models Involving Quantum Inspired Algorithms [ID: 1571146506]</i> Saravanakumar C Shanmugam; Midhun Chakkaravarthy; Mohan BV
15:00 – 15:20	<i>Deep Learning-Based Tree Crown Delineation in UAV RGB Imagery of Kalimantan Tropical Regrowth Forest [ID: 1571156454]</i> Geraldio R Safitri; Emir Husni; Rahadian Yusuf; Hendrika Marselina Yuniatris Da Rato
15:20 – 15:40	<i>Current trends of Applying AI in Designing Environmentally Sustainable Buildings: A Bibliometric Analysis [ID: 1571160658]</i> Abdalrahim Shehab; Khairul Anwar Mohamed Khaidzir; Heba A M Shehab; Mehmet Akif Kılıç
14:00 - 15:40	Technical Session 5B AI for Industry, Infrastructure, and Smart Systems (ONLINE) Venue: Pacific Ballroom B-C and Webex (Online) Session Chair: Dr Mohd Shahrizal Rusli Session Co-Chair: Dr Siti Maherah Hussin
14:00 – 14:20	<i>E2Net: Enhanced Ensemble Networks for Dynamic Long-Term Time Series Forecasting [ID: 1571149273]</i> Agung Mustika Rizki; Ary Mazharuddin Shiddiqi; Ahmad Saikhu; Choiru Zain; Muhammad Ismail; Anggito Anju Hartawan Manalu
14:20 – 14:40	<i>Using the K-Nearest Neighbour and Explainable Artificial Intelligence to Classify Arrhythmias [ID: 1571141524]</i> Adam Mohd Khairuddin; Siti Armiza Mohd Aris; Ku Nurul Fazira Ku Azir; Azizul Azizan
14:40 – 15:00	<i>Enriching Clickstream Analytics with Generative AI: a Scalable Serverless Architecture for Real-Time [ID: 1571166113]</i> Vivek Venkatesan; Chakkaravarthy Arunachalam; Rajesh Kumar Kanji
15:00 – 15:20	<i>Clustering Techniques for Survey Response in Education using Large Language Models [ID: 1571158781]</i> Emelie C. Villaceran; Alaine Tess A. Cabije
15:20 – 15:40	<i>Integrating Computer Vision & Machine Learning for Townscape Assessment: A Systematic Review [ID: 1571156423]</i> Tariq Jameel; Uznir Ujang; Suhaibah Azri; Usman Mehmood

Conference Schedule

16.00 – 17.00	CLOSING AND AWARD CEREMONY
17.00 – 17.30	EVENING REFRESHMENT
END OF DAY 2 CONFERENCE	

DAY 3 -THURSDAY, 28 AUGUST 2025

Venue: Universiti Teknologi Malaysia (UTM) Kuala Lumpur

Jalan Sultan Yahya Petra, Universiti Teknologi Malaysia, 54100 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur

09:00 - 11:00	WORKSHOP 1 UTM KL AI @ Workplace Nenny Ruthfalydia Rosli CAIRO-UTM	WORKSHOP 2 UTM KL AI & Edge Deep Learning with Jetson Nano Assoc. Prof. Ts. Dr. Mohd Ibrahim Shapiai @ Abd Razak CAIRO-UTM	WORKSHOP 3 (Online -Hybrid) Dewan Jumaah, UTM KL Edge AI in Action: Tools, Techniques, and Real-World Demos Yogesh Shankar , System Application Engineer, Infineon Technologies
11.00 – 13.00			WORKSHOP 4 (Online -Hybrid) Dewan Jumaah, UTM KL Solo to Scale: Building Multi-Agent AI Systems with n8n and MaLLaM Fahmi Fauzi Generative AI Developer, Mesolitica Sdn Bhd
14.00 - 16:00			WORKSHOP 5 (Online -Hybrid) Dewan Jumaah, UTM KL Cybersecurity Beyond the Card: Protecting Your Identity in the Digital Economy Cassie Roberts , Solutions Consulting APAC Lead Apurva Jain , Products Manager Mastercard