

The 10th International Conference on Computing and Informatics 2025
(ICOCI2025)

25 – 27 June 2025

Santika Dyandra Hotel & Convention, Medan, Indonesia

Beyond Binary: AI, Humanity & the Dawn of IR 5.0

PARALLEL SESSION SCHEDULE

Session A1

Local Time: 1430 – 1800

Human-Computer Interaction, Accessibility & User Experience/Smart System, IoT & Emergence Technologies		
Chair: To be updated		
Room: Ballroom 2A		
Time	PID	Title
1430	147	Enhancing Human-Computer Interaction Through Digital Audio Technology: A Focus on Accessibility and User Experience Hammuzamer Irwan Hamzah
1450	168	WI-LOCATE: Innovative Design and Development of Location Finder for Visually Impaired Ahmad Hanis Mohd Shabli, Noorulsadiqin Azbiya Yaacob & Ir. Firdaus Hakim Jalaludin
1510	180	Games as Educational Media to Enhance Children's Knowledge in Waste Sorting: A Development Process Hanhan Maulana, Herman S. Soegoto, Irfan Dwiguna Sumitra, Rifqi A Zaidan, Noraziah ChePa, Nur Azzah Abu Bakar & Azham Hussain
1530	190	Gaming for A Greener Future: The Power of Games in Inspiring Eco-Awareness in Malaysian and Indonesian Schools Noraziah ChePa, Nur Azzah Abu Bakar, Azham Hussain, Hanhan Maulana, Herman S. Soegoto, Irfan Dwiguna Sumitra & Laura Lim Sie-Yi
1550	196	Designing Tangible User Interfaces for Neurodiversity: A Focus on Dyslexia-Friendly Features Husniza Husni, Nurul Izzah Abdul Aziz, Nor Laily Hashim & Ilka Zufria
1610	202	AI vs Human Judgment: A Comparative Analysis of Mybuddy Application and Manual Assessment in Predicting At-Risk Students Noraziah ChePa, Ahmad Hanis Mohd Shabli, Azizi Ab Aziz, Wan Hussain Wan Ishak & Laura Lim Sie-Yi
1630	209	Effectiveness of Games as Tools for Dyslexia Intervention: Evaluation of DysPRex and MazeDyslexic Nur Azzah Abu Bakar, Noraziah ChePa & Mohd Adan Omar
1650	211	Enhancing Asnaf Care Through an Augmented Reality Mobile Application Azizah Che Omar, Norhana Yusof & Mohd Adib Abd Muin
1710	218	Augmented Reality Storytelling: Re-Living The 1821 Kedah-Siam War at Kota Kuala Kedah Noradila Nordin, Husniza Husni & Fakhrul Anuar Aziz

1730	225	Signlearn: Application for Learning Sign Language Cik Fazilah Hidadullah, Hng Zi Ling & Maslinda Mohd Nadzir
1750	226	A Preliminary Investigation on the Challenges and Enhancements for Flood Disaster Management Huda Ibrahim, Sariana Salleh, Fadzliana Razak, Nurihan Ariffin, Mazni Omar, Mazida Ahmad, Nur Suhaili Mansor, Amirulikhsan Zolkafli, Azman Yasin, Shah Fathin Syahirah Kamil, Muhamad Mahazi Hj. Ibrahim, Zairil Anuar Zulmuji

Session A2

Local Time: 1430 - 1800

AI, Data & Digital Transformation in Higher Education & Society/ AI & Machine Learning for Health, Well-being & Human Behavior

Chair: To be updated

Room: Ballroom 2B

Time	PID	Title
1430	155	Assessment of Driver Cognitive State using The R-Largest Singular Value of The EEG Data Hossam Almahasneh & Fuad Alshraiedeh
1450	157	A Sentiment Analysis Study on Digital Colonialism in Social Media using DistilBERT Song Yijie, Hapini Awang & Nasrul Effendy Mat Nasir
1510	163	Assessment of The Efficacy of a Training Program to Improve Teaching and Learning Strategies Related to Distance Learning Qasim AlAjmi, Hamed Alyahmadi & Sami AlMazruii
1530	164	Sentiment Analysis in The Education Sector: A Review Study Aqdas Enad Eisa, Siti Zaiton Mohd Hashim & Aryati Bakri
1550	166	Assessing The Impact of VR Technology Application on Quality of Life Among the Elderly Hafizan Mat Som, & Amzari Ghazali – AI
1610	169	User-Centered Development of a Trustworthy E-Voting Application for Student Elections Jefri Marzal, Suwannit Chareen Chit Sop Chit, A. Zarkasi & Niken Rarasati
1630	173	Intelligent Chatbot for Student Feedback Analysis using Machine Learning Approach Lee Wie Jin, Zurida Ishak, Nurul Syafidah Jamil, Ahmad Subhi Zolkafly, Muhammad Dalvi Esfahani, Farina Saffa Mohamad Samsamnun, Nur Lyana Shahfiqa Albashah, Rohani Bakar & Ahmad Zaffry Hadi Mohd Juffry
1650	187	Systematic Literature Review on Artificial Intelligence Integration in Educational Platforms Alawiyah Abd Wahab & Elgamar Syam
1710	199	Imagining Companion Robots: A Hybrid Artistic Study of Loneliness and Design in Higher Education Zhongjing Jiang, Jean Wainwright, Noradila Nordin & John Zhang
1730	208	Mapping The Evolution of Real-Time Data Visualization: A Bibliometric Analysis of Scopus Publications Ruziana Mohamad Rasli, Sobihatun Nur Abdul Salam, Juhaida Abu Bakar, Fauziah Baharom & Roznim Mohamad Rasli

1750	219	Prediction of Student Intake, Enrollment, and Output (IEO) using Exponential Smoothing Methods for Analytics Dashboard: A Case Study of Malaysian Public Universities Suzilah Ismail, Juhaida Abu Bakar, Mohamed Ali Saip, Yuhanis Yusof, Mohd Hasbullah Omar, Muhammad Amirul Ariff Zulkifli & Nuratikah Jamaludin
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Session B1

Local Time: 0800 - 1200

AI & Machine Learning for Health, Well-being and Human Behavior/AI in Cybersecurity,
Fraud Detection & Digital Trust
Chair: To be updated
Room: Ballroom 3A

Time	PID	Title
0800	140	Efficient MRI Segmentation of Spine Hemangiomas using a Modified U-Net Architecture Abu Jalambo Mahmoud I M, Nor Azlinah Md Lazam & Shadi M S Hilles
0820	145	Diabetic Retinopathy Detection Using Ensemble Learning Technique Suleiman Salihu Jauro & Abubakar Ahmed Sambo
0840	150	Comparison of Different LSTM Algorithms in LIME Based Explainable AI for Depression Detection System from Social Media Status Siti Nawal Jaya & Riri Fitri Sari
0900	151	Enhancing Snort Rules in SQL Injection Detection using Fast Pattern and PCRE Noor Ashitah Abu Othman, Nur Athirah Noor Mohamad & Anis Shobirin Abdullah Sani
0920	172	A Phishing Email Detection Model Based on Machine Learning Nur Suhaila Yeop, Nur Haryani Zakaria & Suendri
0940	176	From Text to Therapy: A Continuous Sentiment Analysis Framework fFor Real-Time Mental Health Monitoring in Mobile Applications Ghaith Abdulsattar A. Jabbar Alkubaisi, Noora Yahya Al-Hoqani, Yusra Mohammed Al-Roshdi
1000	181	Early Heart Disease Detection Based on Anomaly Behavior in ECG Data using Cross-Correlation and Machine Learning Muhamad Ariff Izzudin bin Mohamat Zamri, Mohamad Sabri bin Sinal @ Zainal, Muhammad Nur Adilin bin Mohd Anuardi
1020	188	Monitoring Land Surface Temperature Variations using Google Earth Engine: A Case Study of Urban Expansion in Perak (2019–2023) Nur Suhaili Mansor, Hapini Awang, Chong Kar Min, Anna Bluszcz & Shakiroh Khamis
1040	216	Comparative Analysis Of Machine Learning Algorithms For Malicious URL Detection Nurul Shakirah Othman, Norliza Katuk and Rakhmat Kurniawan
1100	221	Machine Learning for Early Mental Health Detection in Higher Education Staff using Health Screening Data Massudi Mahmuddin & Asma Mat
1120	224	A Model of Secure Behavioral Intentions in the Context of Online Game Addiction: Insights from Malaysian Adolescents Zahurin Mat Aji, Wan Mohd Yusoff Wan Yaacob & Nur Haryani Zakaria

Session B2

Local Time: 0800 - 1200

Smart System, IOT & Emerging Technologies/AI, Data & Digital Transformation in Education & Society/AI & Machine Learning for Health, Well-being & Human Behavior/ Human-Computer Interaction, Accessibility & User Experience

Chair: To be updated

Room: Ballroom 3B (Online)

Link: To be updated

Time	PID	Title
0800	142	Integrating Haptic Technology for Targeted Motor Rehabilitation: A Human-Computer Interaction Perspective Chow Tec Soon, Manoranjitham Muniandy, Lim Ean Heng, Savita Sugathan & Nor Fatiha Subri
0820	156	Exploring the Potential and Challenges of Claude AI in Improving Educational Experiences Edi Supriyadi & Samsul Pahmi
0840	178	Using Readability Metrics in Estimating the Readability of RESTful URI Schema Fuad Alshraideh, Nortiza Katuk, Hossam Almahasneh
0900	179	Optimization of Deep Learning Models for Human Activity Recognition using MHEALTH Dataset Zulfikar Sembiring, Khairul Najmy Abdul Rani, Amiza Amir, Siti Julia Rosli, Marni Azira Markom & Ruzelita Ngadiran
0920	183	Phone Usage, Study Habits, and Academic Performance: Predicting GPA with Machine Learning Zurinahni, Bakary, Altagi, Almonzer, MD Serajun, Basheer
0940	189	Design and Usability Evaluation of A Smart Mentoring Solution for Educators Hapini Awang, Nur Suhaili Mansor, Mohamad Fadli Zolkipli, Shakiroh Khamis, Mohammed Ahmed Taiye, Abdulrazak F. Shahatha Al-Mashhadani & Ibrahim
1000	197	A Linear Sequential Model for Cloud-Based ECM: Comparative Analysis with On-Premises ECM Mohd Adan Omar, Ammber Nosheen, Nur Azzah Abu Bakar, Noraziah ChePa, Ijaz Yusuf
1020	200	A Contextual Inquiry into Visitor Decision-Making at Festival Events Ainnecia Yoag, Masitah Ghazali & Farhan Mohamed
1040	204	Hand Gestures Recognition System For Touchless Device Screen Control Wong Jian Yoong, Shakiroh Khamis, Ahmad Subhi Zolkafty, Zurida Ishak, Hapini Awang, Nur Suhaili Mansor
1100	207	Data Augmentation with CTGAN: An Approach for Synthetic Data Generation Yuhanis Yusof & Fathima Fajilaa
1120	213	User Experience Measurement using SUPR-Q Instrument for Over Time Usage Norhanisha Yusof, Nor Laily Hashim and Azham Hussain
1140	220	Enhancing Diagnostic Accuracy for Breast Cancer Using Classical-Quantum Hybrid and Transfer Learning Technique Basheer Riskhan, Roua Alimam, Bakari Salim Mahaba, Dua-e-Uswa, Malrey Lee

1200	228	Deep learning approach to Sign Language Recognition an Inclusive Solution for Hajj Pilgrims Muhammad Siddik Hasibuan, Yusuf Ramadhan Nasution, Armansyah, Muhammad Ikhsan, Aidil Halim Lubis, Sriani
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Session C1

Local Time: 1430 - 1800

AI, Society, Ethics and Digital Economy / Smart System, IOT & Emerging Technologies

Chair: To be updated

Room: Ballroom 3A

Time	PID	Title
1430	141	Integrating AI, IT Governance, SLA, and Predictive Maintenance to Enhance Operational Efficiency - Case Study on CRM Provider in Indonesia Samudra Prasetio & Gunawan Wibisono
1450	143	A Data Analytics Approach to Exploring the Relationship Between TikTok Engagement and Revenue in Malaysia: A Case Study on the Beauty and Personal Care Muhammad Akmal Hakim Ahmad Asmawi, Pradeep Isawasan, K.S. Savita, Lalitha Shamugam, Khairulliza Ahmad Salleh
1510	144	Blockchain-Based Cheat Detection System for Multiplayer Online Games Syamsul Erisandy Arief, Reyhan Fajar Pamenang, Riri Fitri Sari
1530	158	The Mediating Role of Perceived Ease of Learning in Teacher Readiness to Adopt Blockchain for Educational Assessment Joharri Shuhaimi, Hapini Awang, Mohd Fairuz Jafar, Nur Suhaili Mansor, Shakiroh Khamis & Abdulrazak Faiek Shahatha Al-Mashhadani
1550	175	Sentiments of Cyber Independence and Indigenous Technologies in Malaysian Higher Education During the Industrial Revolution 5.0 Era Nasrul Effendy Mat Nasir, Hapini Awang, Wan Mohd Yusoff Wan Yaacob, Azlini Awang, Nur Suhaili Mansor, Khuzairi Mohd Zaini & Song Yijie
1610	195	Predictive Modeling of Software Team Performance Based on Gender and Task Complexity Using Logistic Regression and Decision Tree Mazni Omar, Ruqaya Gilal, Mawarny Md Rejab, Abdul Rehman Gilal, Abdullah Almogahed & Nurhanifah
1630	205	AI-Driven Influencer and Market Analysis: A Social Network Approach to Measuring E-Commerce Relationships Juhaida Abu Bakar, Chong Kar Min, Mohd Zulhisham Mohd Radzi, Fauziah Baharom, Yuhannis Yusof, Mohamed Ali Saip, Ruziana Mohd Rasli, Muhammad Amirul
1650	206	Forecasting Sectoral Energy Demand in Malaysia using Artificial Intelligence Techniques: A Comparative Analysis Muhammad Abqari Zulkifli, Suwannit Chareen Chit, Jefri Marzal and Ahmad Hanis Mohd Shabli
1710	227	Implementation of Support Vector Machine Architecture for Anomaly Detection in IoT Networks Muhammad Irfan Sarif, Syahril Efendi, Poltak Sihombing, Herman Mawengkang

Session C2

Local Time: 1430 - 1800

AI, Society, Ethics and Digital Economy / AI in Cybersecurity, Fraud Detection & Digital Trust
 Chair: To be updated
 Room: Ballroom 3B (Online)
 Link: To be updated

Time	PID	Title
1430	137	An Improved Offline Text-independent Chinese Writer Identification Scheme Based On Two-tier Image Retrieval Mechanism Gloria Jennis Tan, Ung Ling Ling, Tan Chi Wee, Zeti Darleena Eri, Norlina Mohd Sabri, Hoshang Kolivand and Ghazali Sulong
1450	149	Cybersecurity Readiness for Ransomware among Small and Medium Enterprises in Malaysia: A Protection Motivation Theory Perspective Nurfakhriah Firdaus Azmi, K.S. Savita, Mohd Fadzil Hassan & M. Manoranjitham
1510	160	Leveraging Explainable AI (XAI) for Online Fraud Prevention: Global Solutions and Implications for Malaysia's Digital Economy Parteeban M Varatharajoo, Nur Haryani Zakaria, Juhaida Abu Bakar and Aniza Mohamed Din
1530	162	Cyberbullying Detection in the Libyan Dialect using Convolutional Neural Networks Sara M. Elgoud, Mustafa Ali Abuzaraida, Zainab S. Attarbashi, Mohamed Ali Saip
1550	165	Assessing Cybersecurity Readiness for Ransomware Prevention Among Malaysian SMEs: A Preliminary Study Zymul Zafar, Hafizan Mat Som, M Fadzil Hassan, Savita K. Sugathan, Amzari Ghazali & Mujeeb Ur Rehman Shaikh
1610	167	A Trust-Based Reputation System for Security in the Internet of Vehicles (IoV) Nozha Dhibi, Amel Meddeb Makhoulouf, Faouzi Zerai
1630	174	Smart Fire Detection and Monitoring System using IoT Via Telegram Notification Arnold Kanang Anak Daud, Mohd Helmy bin Abd Wahab, Norhafizah Ismail, Radzi Ambar, Muhammad Mahadi Abdul Jamil, Mohd Fauzi Abu Hassan and Mohamad Farhan Mohamad Mohsin
1650	177	Alternative Credit Scoring Risk Prediction: A Machine Learning Approach with Finbert-Sentiment Driven on Social Media Data Nurul Syafidah Jamil, Chew Chun Pang, Ooi Joo On, Anusha Annathurai, Selvamalar Nasaratnam & Ana Nabilah Sa'uadi
1710	192	Optimization Model: Integrating Blockchain Technology with Economic Order Quantity (EOQ) Framework for Multi-Echelon Supply Chains Afif Badawi, Syahril Efendi, Tulus, Herman Mawengkang
1730	210	Exploring Big Data in Smart Cities Research: A Bibliometric Analysis Zhamri Che Ani, Nur Nazifa Zhamri and Zauridah Abdul Hamid
1750	212	Measuring The Effectiveness of Personal Data Protection Awareness Program Among University Students Nor Laily Hashim, Annatalie Anand, Kamarul Faizal Hashim and Norhanisha Yusof