



IEEE
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MALAYSIA CHAPTER

TECHNICAL PROGRAM & PARALLEL SESSIONS



**CIC 2025 JOINT
CONFERENCE**

**OCT 14-17
2025**

AT MULTIMEDIA UNIVERSITY
Malacca, Malaysia



**2025 8th International Conference on New Media
Studies (CONMEDIA)
14 – 17 October 2025, in Malacca, Malaysia**

Tuesday, 14th October 2025

Time	Agenda	Room
08.00 – 09.00	Registration	Pre Function
09.00 – 09.07	Opening Ceremony	Main Hall
09.07 – 09.45	1. Welcome Speech: - Assoc. Prof. Arya Wicaksana, S.Kom., M.Eng.Sc. (General Chair of CIC 2025) - Assoc. Prof. Dr. Leow Chee Yen (Bruce) CEng, MIET, MIEEE (Chairman of IEEE Malaysia Chapter ComSoc/VT) - Assoc. Prof. Ir. Dr. Goh Kam Meng. Ph.D (Chairman of IEEE Malaysia Chapter CIS) 2. Reciting a Poem 3. Gimmick & Photo Session	Main Hall
09.45 – 10.00	Coffee break	Pre Function
10.00 – 12.00	Keynote Session	Main Hall
	Session Chair: Maria Advenita Gita Elmada, S.I.Kom., M.Si.	
	1. Dr. Ir. Andrey Andoko Rector of Universitas Multimedia Nusantara, Indonesia 2. Prof. Dato Mazliham Mohd Su'ud President / CEO of Multimedia University Malaysia	
12.00 – 13.00	Lunch	Pre Function
13.00 – 15.00	Keynote Session	Main Hall
	Session Chair: Dr. Henilia Yulita SE.,MM.,M.I.Kom	
	Prof. Edson C. Tandoc Jr. Nanyang Technological University Singapore	
15.00 – 15.15	Coffee break	

Wednesday, 15th October 2025

Time	Agenda	Room
08.30 - 08.45	Registration	Pre Function
09.45 - 10.00	Coffee break	Pre Function
10.00 – 12.00	Paper Parallel Session	Breakout room CONMEDIA
	▪ Session I Track: Predictive Modeling & FinTech Chair: Dr. Niki Prastomo, S.T., M.Sc.	
	▪ Session II Track: Computer Vision in Medicine & Security Chair: Ms. Sharifah Noor Masidayu Binti Sayed Ismail	
12.00 – 13.00	Lunch	Pre Function
13.00 – 15.00	Keynote Session	Main Hall
	Session Chair: Dr. Niki Prastomo, S.T., M.Sc.	
	Prof.Ts.Dr.Mardeni Bin Roslee FASc Multimedia University, Malaysia Keynote Title: Smart 5G IoT Palm Oil Soil Properties Monitoring System Assoc. Prof. Ts. Dr. Chee Yen (Bruce) Leow Universiti Teknologi Malaysia (UTM) Keynote Title: 6G: Enabling Ubiquitous Connectivity for a Fully Connected World	
15.00 – 15.15	Coffee Break	Ballroom
15.15 – 17.15	Paper Parallel Session	Breakout room CONMEDIA
	▪ Session III Track: Data Analytics & Business Intelligence Chair: Dr. Aziah Binti Ali	
	▪ Session IV Track: ERP & Enterprise Systems Chair: Dr. Irmawati, S.Kom., M.M.S.I.	

Thursday, 16th October 2025

Time	Agenda	Room
08.30 – 09.00	Registration	Pre Function
09.00 – 10.45	Keynote Session	Main Hall
	Session Chair: Assoc. Prof. Dr. Nor Azlina Binti Ab Aziz	
	Prof. Lai Weng Kin Tunku Abdul Rahman University of Management and Technology, Malaysia Keynote Title: The Trident of AI: Hope, Havoc and Hype	
10.45 - 11.00	Coffee break	Pre Function
11.00 – 12.00	Paper Parallel Session ▪ Session V Track: Healthcare & Biotechnology AI Chair: Wella, S.Kom., M.MSI., COBIT5	Breakout room CONMEDIA
12.00 – 13.00	Lunch	Pre Function
13.00 – 15.00	Paper Parallel Session ▪ Session VI Track: Real-World Machine Learning Systems Chair: Samuel Ady Sanjaya, S.T., M.T. ▪ Session VII Track: Sustainability & Social Applications Chair: Dr. Aziah Binti Ali	Breakout room CONMEDIA
15.00 – 15.15	Coffee Break	Pre Function
15.15 – 16.15	Paper Parallel Session ▪ Session VIII Track: Web Technology & Digital Platforms Chair: Ms. Sharifah Noor Masidayu Binti Sayed Ismail	Breakout room CONMEDIA
16.15 – 17.30	Paper Parallel Session ▪ Session IX Track: AI & Machine Learning Applications Chair: Ririn Ikana Desanti, S.Kom., M.Kom.	Breakout room CONMEDIA
18.00 – 19.30	Gala Dinner	The Moon Bar @ Rooftop AMES Hotel

Friday, 17th October 2025

Time	Agenda	Meeting Point
08.00 - 11.00	Melaka City Tour	Tan Beng Swee Clock Tower, in front of The Red Christ Church Melaka

Paper Parallel Session

Wednesday, October 15th, 2025

Session Track	Predictive Modeling & FinTech				
Session Chair	Dr. Niki Prastomo, S.T., M.Sc.				
Schedule	Wednesday, October 15, 2025				
	10.00				
	Day 01 Session 01 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D1-SES01-1	10.00	10.15	1571188733	Stock Price Forecasting for Intel Using a Hybrid Long Short-Term Memory and Support Vector Machine Model	Decky Jaufari and Wella Wella (Universitas Multimedia Nusantara, Indonesia)
CM-D1-SES01-2	10.15	10.30	1571194935	Sentiment Analysis of a Private Mobile Banking Application with DISTILBERT Fine-Tuning	Christopher Darren and Raymond Sunardi Oetama (Universitas Multimedia Nusantara, Indonesia)
CM-D1-SES01-3	10.30	10.45	1571198853	Predicting Property Prices Using MLR, Gradient Boosting, and Random Forest: A Case Study in South Tangerang, Indonesia	Aditya Muhammad Saputro and Ririn Desanti (Universitas Multimedia Nusantara, Indonesia)
CM-D1-SES01-4	10.45	11.00	1571204560	METHI: An Ensemble-based Machine-Learned Exoplanetary Habitability Index	Ruthwik Dhama (Enloe High School, USA); Praveen Pratap Singh and Vishal Kumar (Young Researchers Institute, USA)

Session Track	Computer Vision in Medicine & Security				
Session Chair	Ms. Sharifah Noor Masidayu Binti Sayed Ismail				
Schedule	Wednesday, October 15, 2025				
	11.00				
	Day 01 Session 02 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D1-SES02-1	11.00	11.15	1571194539	Accelerated Training of Swin Transformer V2 Models for Facial Expression Recognition using GradScaler and Autocast	Samuel Ady Sanjaya (Universitas Multimedia Nusantara, Indonesia); Nur Hayati (Universitas Muhammadiyah Yogyakarta, Indonesia); Dinar Ajeng Kristiyanti (Universitas Multimedia Nusantara, Indonesia); Dita Oktaria (Telkom University, Indonesia); Nur Fitrianti Fahrudin (Informatics System, Indonesia & Institut Teknologi Nasional, Indonesia); Angga A. Permana (Universitas Multimedia Nusantara, Indonesia)
CM-D1-SES02-2	11.15	11.30	1571204824	Comparative Analysis of Deep Learning Architectures for Brain Tumor Classification using MRI Images	Ekramul Haque Tusher and Muhammad Muhtasim Shahriar (International Islamic University Chittagong, Bangladesh); M. M. Golam Hafiz (American International University-Bangladesh, Bangladesh); Riadul Islam Rabbi (Multimedia University, Malaysia); Tze Hui Liew (Multimedia University & CICC, COE of Advanced Cloud, Malaysia); Fatema Mostafa Tarin (Chittagong University of Engineering and Technology, Bangladesh)
CM-D1-SES02-3	11.30	11.45	1571204766	Enhanced Vision Transformer and Image Inpainting for Cataract Stage Classification in Telemedicine	Muh. Ashhar Bustan and Indrabayu Indrabayu (Hasanuddin University, Indonesia)
CM-D1-SES02-4	11.45	12.00	1571204774	Classification of Deepfakes in Static Facial Images Using Deep Learning Ensemble with Weighted Averaging Approach	Arvin Winardi and Moeljono Widjaja (Universitas Multimedia Nusantara, Indonesia)

Session Track	Data Analytics & Business Intelligence				
Session Chair	Dr. Aziah Binti Ali				
Schedule	Wednesday, October 15, 2025				
	15.15				
	Day 01 Session 03 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D1-SES03-1	15.15	15.30	1571189871	Combination of K-Means Clustering and Apriori Algorithm in Analysis Of Transjakarta Passenger Travel Patterns	Hotmauli Kristiani, Monika Evelin Johan, Eunike Endariahna Surbakti and David Agustriawan (Universitas Multimedia Nusantara, Indonesia)
CM-D1-SES03-2	15.30	15.45	1571185690	Implementation of Evaluation System and Pharmaceutical Product Recommendation in B2B E-Commerce Using Collaborative Filtering Method	Juandi (Multimedia Nusantara University, Indonesia); Rudi Sutomo, Mahfudz Amri, Jansen Wiratama, Santo Fernandi Wijaya and Samuel Ady Sanjaya (Universitas Multimedia Nusantara, Indonesia)
CM-D1-SES03-3	15.45	16.00	1571204813	A Comparative Study of Traditional and Machine Learning Methods in Assessing ESG Impact on Indonesian Stock Returns	Ferry Vincenttius Ferdinand, Timothy Sean Muliadiredja, Kie Van Ivanky Saputra and Ferell Aaron Wirjanto (Universitas Pelita Harapan, Indonesia)
CM-D1-SES03-4	16.00	16.15	1571184478	Business Analytic with Data Warehouse Design in Retail Company Sales	Shanreva Oktavia Andi and Erick Fernando (Universitas Multimedia Nusantara, Indonesia)

Session Track	ERP & Enterprise Systems				
Session Chair	Dr. Irmawati, S.Kom., M.M.S.I.				
Schedule	Wednesday, October 15, 2025				
	16.15				
	Day 01 Session 04 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D1-SES04-1	16.15	16.30	1571194628	Enhancing ERP System through Data Integration with Agile Software Development in Retail Industry	Vincent Setiadi Kurniawan, Jansen Wiratama, Santo Fernandi Wijaya, Samuel Ady Sanjaya, Rudi Sutomo and Monika Evelin Johan (Universitas Multimedia Nusantara, Indonesia)
CM-D1-SES04-2	16.30	16.45	1571204858	An Experimental Study on SQL Query Structure Optimization Performance in MySQL, PostgreSQL, and Microsoft SQL Server Using Apache JMeter	Gladys Tanujaya and Suryasari Suryasari (Universitas Multimedia Nusantara, Indonesia)
CM-D1-SES04-3	16.45	17.00	1571195019	Improving the Accuracy of Coffee Bean Quality Detection Using Manhattan Distance Method in the Loss Function of You Only Look Once V4	Zuhal Mujaddid Samas (Hasanuddin University, Indonesia); Novy N.R.A. Mokobombang (Hasanuddin University, Indonesia & Auckland University of Technology, New Zealand)
CM-D1-SES04-4	17.00	17.15	1571196633	Integrating Balanced Scorecard and Enterprise Management for ERP Readiness Assessment	Santo Fernandi Wijaya, Jansen Wiratama and Rudi Sutomo (Universitas Multimedia Nusantara, Indonesia)

Thursday, October 16th, 2025

Session Track	Healthcare & Biotechnology AI				
Session Chair	Wella, S.Kom., M.MSI., COBIT5				
Schedule	Thursday, October 16, 2025				
	11.00				
	Day 02 Session 05 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D2-SES05-1	11.00	11.15	1571195656	Identification and Classification of melanoma on Skin using the MobilenetV2	Dimas Takeda, David Agustriawan, Kanza Amanda, Raden Muhammad Rafael, Rifqi Habib, Thelissa Levana Zheng, Monika Evelin Johan and Eunike Endariahna Surbakti (Universitas Multimedia Nusantara, Indonesia); Muhammad Imran Ahmad (Universiti Malaysia Perlis, Malaysia)
CM-D2-SES05-2	11.15	11.30	1571195702	Performance Evaluation of EfficientNet-V1 and EfficientNet-V2 Variants for Kidney Disease Detection on CT Scan Images	Irmawati Irmawati (Universitas Multimedia Nusantara, Indonesia); Nur Hayati (Universitas Muhammadiyah Yogyakarta, Indonesia); Monica Pratiwi (Universitas Multimedia Nusantara, Indonesia)
CM-D2-SES05-3	11.30	11.45	1571204409	Explainability-Driven Comparison of Machine Learning Approaches for Breast Cancer Classification	Ekramul Haque Tusher and Shuvo Chakraborty (International Islamic University Chittagong, Bangladesh); Riadul Islam Rabbi (Multimedia University, Malaysia); Tze Hui Liew (Multimedia University & CICC, COE of Advanced Cloud, Malaysia); Md Hasan Shorif (International Islamic University Chittagong, Bangladesh); Mohammad Hossain (Al-Bukhary International University, Malaysia)
CM-D2-SES05-4	11.45	12.00	1571193420	Development of a Random Forest Based Classification System for Lung Cancer Therapeutic Compounds	Kenny Matthew and Angga Aditya Permana (Universitas Multimedia Nusantara, Indonesia); Sy Yuliani (Multimedia Nusantara University, Indonesia); Wirawan Istiono, Alexander Waworuntu and Samuel Ady Sanjaya (Universitas Multimedia Nusantara, Indonesia)

Session Track	Real-World Machine Learning Systems				
Session Chair	Samuel Ady Sanjaya, S.T., M.T.				
Schedule	Thursday, October 16, 2025				
	13.00				
	Day 02 Session 06 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D2-SES06-1	13.00	13.15	1571204432	A Novel Three-Tier Driver Drowsiness Detection Framework Using Stress-Proxy HRV Analysis	Abu Monsur Mohammad Fahim and Md Faisal Hoque Rifat (International Islamic University Chittagong, Bangladesh); Ummay Ayman Tushe (University of Chittagong, Bangladesh); Riadul Islam Rabbi (Multimedia University, Malaysia); Ekramul Haque Tusher (International Islamic University Chittagong, Bangladesh); Tze Hui Liew (Multimedia University & CICC, COE of Advanced Cloud, Malaysia)
CM-D2-SES06-2	13.15	13.30	1571204592	Hybrid CNN-XGBoost Framework for Interpretable ECG Arrhythmia Classification with SHAP-based Analysis	Aritra Mohajan and Abu Monsur Mohammad Fahim (International Islamic University Chittagong, Bangladesh); Ummay Ayman Tushe (University of Chittagong, Bangladesh); Riadul Islam Rabbi (Multimedia University, Malaysia); Ekramul Haque Tusher (International Islamic University Chittagong, Bangladesh); Tze Hui Liew (Multimedia University & CICC, COE of Advanced Cloud, Malaysia)
CM-D2-SES06-3	13.30	13.45	1571194469	A Dual-Stage Hybrid AI Framework for Resume Screening Using CNN-Based Layout Classification and Open-Source LLM Semantic Analysis	Emilio Yanvrent and Johan Setiawan (Universitas Multimedia Nusantara, Indonesia)
CM-D2-SES06-4	13.45	14.00	1571194901	Real-Time Suspicious Activity Detection for Exam Proctoring Using YOLOv8 and Multi-Angle Datasets	Bonifasius Ariesto Adrian Finantyo, Alexander Waworuntu, Wirawan Istiono, Marlinda Vasty Overbeek and Angga A. Permana (Universitas Multimedia Nusantara, Indonesia); Sy Yuliani (Multimedia Nusantara University, Indonesia); Fenina Adline Twince Tobing (Universitas Multimedia Nusantara, Indonesia)

Session Track	Sustainability & Social Applications				
Session Chair	Dr. Aziah Binti Ali				
Schedule	Thursday, October 16, 2025				
	14.00				
	Day 02 Session 07 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D2-SES07-1	14.00	14.15	1571204803	Application of Statistics and Technology in Addressing Economic Inequality Based on Social Welfare Disparities	Jesse Helison Hefni, Ferry Vincenttius Ferdinand, Nicholas Reynard Kusuma and Aaron Ng (Universitas Pelita Harapan, Indonesia)
CM-D2-SES07-2	14.15	14.30	1571204587	A Comparative Analysis of Machine Learning Algorithms for Spam Email Classification with Explainable AI Insights	Ekramul Haque Tusher, Md Saimul Hoque Sawon and Shuvo Chakraborty (International Islamic University Chittagong, Bangladesh); Tze Hui Liew (Multimedia University & CICC, COE of Advanced Cloud, Malaysia); Riadul Islam Rabbi (Multimedia University, Malaysia); Ummay Ayman Tushe (University of Chittagong, Bangladesh)
CM-D2-SES07-3	14.30	14.45	1571204500	Analysis and Visualization of Earthquake Patterns (2021-2025) in the South Lebak Region Based on the Dataset from Gugus Mitigasi Lebak Selatan	Gilbert Evan Tilung (Multimedia Nusantara University, Indonesia); Niki Prastomo (Universitas Multimedia Nusantara, Indonesia); Anis Faisal Reza (Gugus Mitigasi Lebak Selatan, Indonesia)
CM-D2-SES07-4	14.45	15.00	1571191693	The Role of Gachacom in Fostering Appreciation for Human-Created Art amid AI Advancements	Christine Then, Wirawan Istiono, Alexander Waworuntu, Marlinda Vasty Overbeek, Fenina Adline Twince Tobing and Angga A. Permana (Universitas Multimedia Nusantara, Indonesia)

Session Track	Web Technology & Digital Platforms				
Session Chair	Ms. Sharifah Noor Masidayu Binti Sayed Ismail				
Schedule	Thursday, October 16, 2025				
	15.15				
	Day 02 Session 08 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D2-SES08-1	15.15	15.30	1571189262	A Web-Based Disaster Mitigation Platform Using Agile Scrum and Sphere Project Standards	Zedro Deniro Mason, Eunike Endariahna Surbakti, David Agustriawan, Monika Evelin Johan and Fenina Adline Twince Tobing (Universitas Multimedia Nusantara, Indonesia); Jantianus Jantianus (Politeknik Negeri Medan, Indonesia)
CM-D2-SES08-2	15.30	15.45	1571204797	Comparing Random Forest and XGBoost Machine Learning Models for Predicting Purchase Intention in Online Consumer Behavior: A Study in the Jabodetabek Area	Ferry Vincenttius Ferdinand, Laurence Laurence and Kezia Natalia Effendi (Universitas Pelita Harapan, Indonesia)
CM-D2-SES08-3	15.45	16.00	1571145376	Web-Based Prodeacon Scheduling System: Digitalizing Operations at Alam Sutera Parish	Farion Tekkry, Vincentius Kurniawan and Maria Irmira Prasetyowati (Universitas Multimedia Nusantara, Indonesia)

Session Track	AI & Machine Learning Applications				
Session Chair	Ririn Ikana Desanti, S.Kom., M.Kom.				
Schedule	Thursday, October 16, 2025				
	16.15				
	Day 02 Session 9 ROOM CONMEDIA				
Code	Start	End	ID Paper	Title	Authors with affiliation and country
CM-D2-SES09-1	16.15	16.30	1571200624	A Comparative Study of Generative AI with CNN ResNet-18 and Transformer Models for Multimodal Sentiment Analysis in E-Commerce Product Review	Juanito Arvin William and Dinar Ajeng Kristiyanti (Universitas Multimedia Nusantara, Indonesia); Heru C Rustamaji (UPN Veteran Yogyakarta, Indonesia); Samuel Ady Sanjaya and David Agustriawan (Universitas Multimedia Nusantara, Indonesia); Sy Yuliani (Multimedia Nusantara University, Indonesia)
CM-D2-SES09-2	16.30	16.45	1571201268	Digital Calibration Certificate Level 1 Automation in BSN BRIN Indonesia	Aldrik Ciaputra and Arya Wicaksana (Universitas Multimedia Nusantara, Indonesia)
CM-D2-SES09-3	16.45	17.00	1571203747	Ter-Net: A Dual-Branch Ensemble Network for Accurate and Interpretable Terrain Type Classification	Shusmita Anjum Aziz (American International University-Bangladesh, Bangladesh); Touhid Alam (American International University-Bangladesh, Bangladesh & 408/1, Kuratoli, Khilkhet, Dhaka, Bangladesh); Sayedur Rahman (American International University-Bangladesh (AIUB), Bangladesh); Md Arifur Rahman (Trine University, USA); B M Taslimul Haque (Central Michigan University, USA); Tze Hui Liew (Multimedia University & CICC, COE of Advanced Cloud, Malaysia)
CM-D2-SES09-4	17.00	17.15	1571204828	Analyzing Hidden Sources in Soil Sensors Using Independent Component Analysis (ICA) and Principal Component Analysis (PCA) Algorithm	Cian Ramadhona Hassolthine (Universitas Siber Asia, Indonesia & IPB University, Indonesia); Fenina Adline Twince Tobing (Universitas Multimedia Nusantara, Indonesia)
CM-D2-SES09-5	17.15	17.30	1571195001	A meta-heuristic method for cumulative vehicle routing problem	Adrain Lim Jun Hong and Yit Yin Wee (Multimedia University, Malaysia)