

IEEE International Conference on Machine learning and Applied Network Technologies (ICMLANT 2024) EL SALVADOR, 12 - 13 DECEMBER, 2024 (GMT-6, El Salvador Time)

Schedule	Thursday, December 12	Friday, December 13
7:50 am – 8:05 am	Opening Ceremony	
8:10 am – 8:30 am	Keynote 1 From Randomness to Intelligence: Monte Carlo Methods Powering Deep Learning <i>Sanjeev Kumar, PhD</i> <i>UPES, India</i>	Classification of apple growing region by Vis-Near Infrared spectroscopy coupled with Machine Learning and Deep Learning methods <i>Jordi Cruz, Yakiel Rodríguez Gallo, Maria Tarapoulouzi, Georgi Gergov, Krastena Nikolova and Manuel Cardona</i>
8:35 am – 8:55 am		Oil Spill Segmentation using Enhanced UNET and Fuzzy System Hybrid <i>Shreya Ranjan, Babeetha S and Prince Kumar</i>
9:00 am – 9:25 am	Non-payload based 5G Attack Detection with Qualitative Hybrid Feature Engineering <i>Rahul Kale, Kar Wai Fok and Vrilynn L.L. Thing</i>	AI-Driven Cryptographic Algorithm Identification: Exploring Methodologies and Practical Applications <i>Shivani Yadao, Nguyen Thi Dieu Linh, Areesha Fatima and Bhuvan Puri</i>
9:30 am - 9:50 am	Classification and Detection of the Region of Interest in Arachis Hypogaea Diseases using NASNetMobile <i>Vani Pujitha M, Tejaswani Velugoti and Murali Sandeep Arumalla</i>	Enhancing Explainability in Deepfake Detection with Graph Attention Networks <i>Aleksandr Pikul and Ilya Popov</i>
9:55 am – 10:15 am	ImageCraft - Text To Image Synthesis <i>Daivik Rao, Yatish Sriram and Aniket Gupta</i>	Detecting Irony in Arabic: From Emotion AI Recognition to Cognitive AI Functionality <i>Mageda Sharafeddin, Jad Raad and Tareq Ayoub</i>
10:20 am – 10:40 am	Implementation and Performance Evaluation of Quantum Computing Based on Practical Experiments <i>Abel C. H. Chen</i>	Sentiment Analysis using Machine Learning and Deep Learning Models <i>Hoang-Dieu Vu, Quang-Tu Pham, Vijender Kumar Solanki, Trong-Minh Hoang and Duc-Tan Tran</i>
10:45 am – 11:05 pm	Robotic Arm Waste Management System: Autonomous Recognition and Collection of solid waste <i>Neha Malavi, Rutuja Sangar and Urmi Patil</i>	LLM Prompting Strategies in Automated Machine Learning <i>Israel Campero Jurado</i>
11:05 am – 11:15 am	Break	Break
11:15 am – 11:35 pm	EQNN: Enhanced Quantum Neural Network – A Case Study of Mobile Data Usage Prediction <i>Abel C. H. Chen</i>	Forecasting Mutated Genome Sequences of Human Coronaviruses by Unveiling Genomic Mutations Leveraging the Seq2Seq Approach <i>Abdullah Hasan Sajjad Rafi, Arkadeep Das, Moumita Das and Arif Shakil</i>
11:40 am – 12:00 pm	The Iterative Dichotomiser 3 method improves soft skills training decisions using survey data <i>Subir Gupta, Quang-Trung Hoang, Bhaswati Roy, Subrata Chowdhury, Sandip Mukherjee, Aditya Kumar Pathak and Diep Can Duc</i>	Implementation of a Binary Reed-Solomon CODEC Using the Berlekamp-Massey Algorithm on FPGA <i>Thuan Van Le and Nam Van Dinh</i>
12:05 am – 12:25 pm	Predicting student dropout using educational data with temporal convolutional network <i>Abikannan P R, Balasubramani T and Sivakarathi G</i>	Non-payload based 5G Attack Detection with Qualitative Hybrid Feature Engineering <i>Rahul Kale, Kar Wai Fok and Vrilynn L.L. Thing</i>
12:25 pm – 6:00 pm	Break	Break
6:00 pm – 6:20 pm	Early Detection of Heart Failure Using Machine Learning Algorithms: An Integrated Approach <i>Shilpi Harnal, Harshpreet Singh, Vinay Kumar, Mohammad Munaf, Aman Saxena and Vaibhav Mittal</i>	Trimean Filtering for Accelerated Convergence in Ultrasound Tomography Using Diffraction-Based Imaging Technique <i>Luong Thi Theu, Huy Tran Quang, Gloria Jeanette Rincón Aponte and Duc-Tan Tran</i>
6:25 pm – 6:45 pm	Personalized Symptom Analysis using Large Language Model <i>Anikha D Nair, Sanjana Ss, Nebin K Raj, Joes Anto and Arthy M</i>	RTPD-YOLO: Reconciling YoLo-V8 Model for Real-Time Potholes Detection <i>Sivadi Balakrishna and Vijender Kumar Solanki</i>
6:50 pm – 7:10 pm	Deep Convolutional Neural Networks Structured Pruning via Gravity Regularization <i>Abdesselam Ferdi</i>	Enhancing Oyster Mushroom Cultivation with Solar-Powered IoT and Machine Learning: Predicting Harvest Readiness <i>Gilda Taupa, Mia Villarica and Albert Vinluan</i>
7:15 pm – 7:35 pm	Comprehensive Overview of CBB Detection Technologies and Image Database Development <i>Kevin Quintanilla-Castro, Robin Meza-Molina, Yakiel Rodriguez-Gallo Guerra, Manuel Cardona and Jordi Cruz</i>	Leveraging Deep Progressive Reinforcement Learning and Feature Learning Techniques for Vietnamese Sign Language Recognition <i>Doan-Tung Duong, Thi-Huong Nguyen, Thi-Thanh-Tam Nguyen and Van-Toi Nguyen</i>
7:35 pm – 7:50 pm	Break	Break
7:50 pm – 8:10 pm	IELTS Writing Tasks Evaluation Using LLMs: A Comparative Study of ChatGPT, Claude, Copilot, and Google Gemini <i>Areeg Fahad Rasheed, M. Zarkoosh, Shimam Amer Chasib, Huda Najm Alabbas and Safa F.Abbas</i>	Artificial Intelligence for All: Challenges and Harnessing Opportunities in AI Democratization <i>Keylin Alessandra Castro, Joselyn Alvarado Siwady, Erika Castillo, Alberto Alonzo, Manuel Cardona and Maria Elena Perdomo</i>
8:15 pm – 8:35 pm	A Scheme to Enhance the Employability of the Differently-abled <i>Ralah Aaqil and Shyam P Joy</i>	Enhanced Pesticide Exposure Diagnosis: A Machine Learning Approach <i>Vincent Peter Magboo, Ma Sheila Magboo, Hannah Gabrielle Buizon, Odedjinn Caezar Suba and Rencio Noel Simangan</i>
8:40 pm – 9:00 pm	Optimizing FPGA Architectures with Multi-Objective PSO and Machine Learnings <i>Tejam Reddy Vangala</i>	Implementation of an Electronic Monitoring Device Using Computer Vision for Non-Invasive Respiratory Rate Measurement <i>David Eduardo Sánchez Espinoza, Luis Chuquimarca, Óscar Gómez, Manuel Montaña and Mario Salcedo</i>
9:05 pm - 9:25 pm	Integration of Mechanisms for Video Distribution between Clusters in a Hierarchical P2P Architecture <i>Francisco de Asis Lopez-Fuentes</i>	Keynote 2 Solving image processing problems with metaheuristics <i>Diego Oliva, PhD</i> <i>Universidad de Guadalajara, México</i>
9:30 pm - 9:50 pm	Design of an Underwater Mechatronics System for Detecting Dissolved Solids in Water <i>Eduardo Estudillo, Luis Bautista, Gerardo Cardenas, Aura Mendoza, Francisco Perez, Felix Hernandez, Hiram Ponce, Ernesto Moya-Albor and Jorge Brieva</i>	
9:55 pm - 10:15 pm	Song Sense: Delving into Music Moods through Machine Learning <i>Adrian Prado and Hiram Ponce</i>	Closing Ceremony