IEEE International Conference on Machine learning and Applied Network Technologies (ICMLANT 2023)

EL SALVADOR, 14 - 15 DECEMBER, 2023 (GMT-6, El Salvador Time)

Schedule	Thursday, December 14	Friday, December 15
8:30 am – 8:35 am	**Opening Ceremony**	
8:35 am – 8:55 am	**Keynote 1** **Infinite Petri Nets for Cybersecurity of Intelligent Networks, Grid, and Clouds** *Tatiana R. Shmeleva , PhD, HDR*	**UPoS Tagger for Low Resource Assamese Language: LSTM and BiLSTM based Modelling** *Kuwali Talukdar and Shikhar Kr. Sarma*
9:00 am – 9:20 am		**Reenterable colored Petri net model of Ebola virus dynamics** *Dmitry Zaitsev, Tatiana Shmeleva and Sveinbjörn Gizurarson*
9:25 am - 9:45 am	**Comparative Analysis of LSTM and Ensemble LSTM Approaches for Gene Mutation Classification in Cancer** *Sanad Aburass, Osama Dorgham and Maha Abu Rumman*	**IoT for Critically Ill Patients using Pulse Sensors** *Rogelio Salvador Garay Hernandez, Bryan Alejandro Martinez Perez, Luis Giron, Douglas Adalberto Aguilar, Manuel Cardona and Jose Luis Ordoñez-Avila*
9:50 am – 10:10 am	**Efficiency Analysis of Microservices Based on Queueing Models** Abel C. H. Chen, Michael C. H. Hsiang and Mei-Ying Wang	**Design and implementation of a low enthalpy geotermal probe for air conditioning systems.** *Rudy Merlos, Anselmo Valdizon and David Cerritos*
10:10 am – 10:20 am	Break	Break
10:20 am – 10:40 am	**MDRNN for Next-Gen Speech Synthesis** *Meenal Dugar and Aishwarya Asesh*	**An Explainable AI-Enabled Framework for the Diabetes Classification** *Cu Kim Long, Vijender Kumar Solanki, Vikram Puri and Gloria Jeanette Rincón Aponte*
10:45 am – 11:05 pm	**Computational Optimizations in LLMs** *Aishwarya Asesh and Meenal Dugar*	**State of the Art: Climate and Wave Monitoring Tools** *Paola Nicole Banegas-Dubon, Manuel Cardona and Maria Elena Perdomo Perdomo*
11:15 am – 11:35 pm	**Spatial Interpretation and LLMs** *Meenal Dugar and Aishwarya Asesh*	**Delta Robot Kinematics Analys based on Multibody Formulation** *Manuel Cardona*
11:40 am – 12:00 pm	**Time Series Prediction using Convolutional Neural Networks** Aishwarya Asesh and Meenal Dugar	**Prediction of Spinal Abnormalities in Neuroradiology Images Applying Deep Transfer Learning** *Ariana Alejandra Andrews Interiano, Manuel Alejandro Martinez Palma and Karla Miriam Reyes Leiva*
12:00 pm – 1:00 pm	Break	Break
1:00 pm –1:20 pm	**Innovative Approaches to Neurosurgical Planning: Virtual Reality Integration in Honduran Secondary Care** *Diego André Orellana, Reyna Valle and Stalin Macias*	**Arabic Offensive Language Classification: Leveraging Transformer, LSTM, and SVM** *Areeg Fahad Rasheed, Muhammad Zarkoosh, Safa F. Abbas and Sana Sabry*
1:25 pm – 1:45 pm	**Implementation and Performance Analysis of Security Credential Management System Based on IEEE 1609.2 and 1609.2.1 Standards** *Abel C. H. Chen, Cheng-Kang Liu, Chun-Feng Lin and Bon-Yeh Lin*	**Emotion Classification using Generative Pre-trained Embedding and Machine Learning** *Geeta Pattun and Pradeep Kumar*
1:50 pm – 2:10 pm	**Evaluation and Analysis of Standard Security Techniques in V2X Communication: Exploring the Cracking of ECQV Implicit Certificates** *Abel C. H. Chen*	**Classification of Alzheimer's Disease from Cranial MRI Images Using Transfer Learning** *Christian Immanuel Ella, Ma Sheila Magboo and Vincent Peter Magboo*
2:15 pm – 2:35 pm	**Homomorphic Encryption Based on Post-Quantum Cryptography** *Abel C. H. Chen*	**Speech Emotion Recognition Using Gammatone Cepstral Coefficients and Deep Learning Features** *Roneel Sharan*
2:35 pm – 2:45 pm	Break	Break
2:45 pm – 3:05 pm	**Anterior Cruciate Ligament Injury Classification from MRI Scans Using Deep Learning** *Karlos Lorenzo Tuazon, Ma Sheila Magboo and Vincent Peter Magboo*	**Design of a End Effector For Coffee Bean Quality Monitoring through IoT** *Valeria Marcela Garcia Gomez, Manuel Cardona, Douglas Adalberto Aguilar and Jose Luis Ordoñez*
3:10 pm – 3:30 pm	**Building of a Convolutional Neuronal Network for the prediction of mood states through face recognition based on object detection with YOLOV8 and Python** *Franklin Ramirez and Alicia María Reyes Duke*	**Understanding Intellectual Disability and Genetics with AI Perspective: A Text Mining Approach** *Mohammad Islam, Abdul Wahid and Pradeep Kumar*
3:35 pm – 3:55 pm	**Implementation of a Computer Vision System for Fault and Component Analysis of Computer PCBs** *Gabriel Pineda and Hector Villatoro*	**Keynote 2** **Tutorial: Introduction to Artificial Intelligence: Machine Learning with Orange** *Dmitry A. Zaitsev, PhD, HDR*
4:00 pm - 4:20 pm	**ECG anomaly detection using an interpretable Autoencoder model** *Tulika Arun, Vaasu Sohee and Sudip Sanyal*	
4:20 pm - 4:30 pm		**Closing Ceremony**