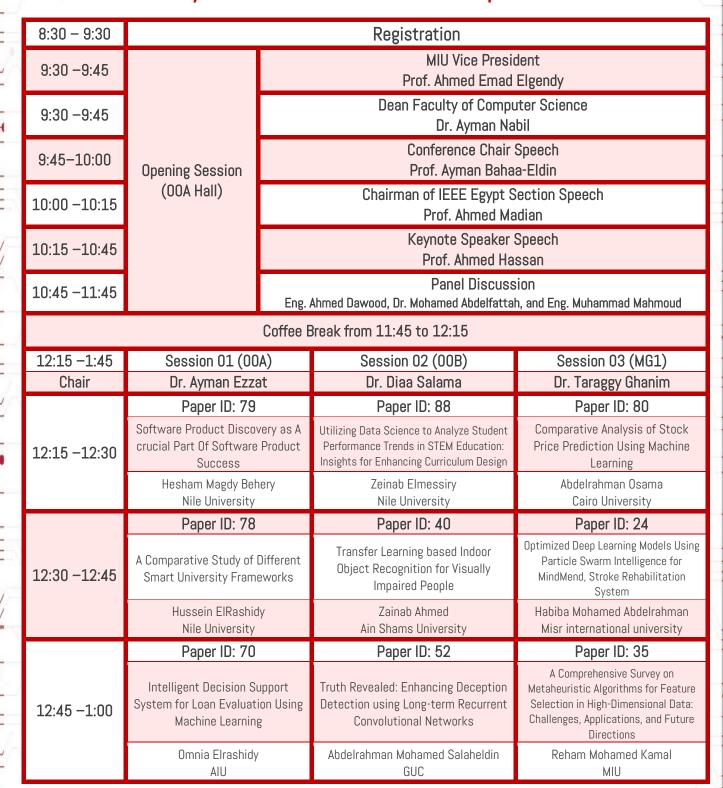# 4th International Mobile, Intelligent, and Ubiquitous Computing Conference

13 – 14 November 2024
Conference Agenda
Day 1 – 13/11/2024 - MIU Campus

Time			
8:30 – 9:30	Registration		
9:30 –9:45	Opening Session (OOA Hall)	MIU Vice President Prof. Ahmed Emad Elgendy	
9:30 –9:45		Dean Faculty of Computer Science Dr. Ayman Nabil	
9:45–10:00		Conference Chair Speech Prof. Ayman Bahaa-Eldin	
10:00 –10:15		Chairman of IEEE Egypt Section Speech Prof. Ahmed Madian	
10:15 –10:45		Keynote Speaker Speech Prof. Ahmed Hassan	
10:45 –11:45		Panel Discussion Eng. Ahmed Dawood, Dr. Mohamed Abdelfattah, and Eng. Muhammad Mahmoud	
Coffee Break from 11:45 to 12:15			
12:15 –1:45	Session 01 (OOA)	Session 02 (OOB)	Session 03 (MG1)
Chair	Dr. Ayman Ezzat	Dr. Diaa Salama	Dr. Taraggy Ghanim
12:15 –12:30	Paper ID: 79 Software Product Discovery as A crucial Part Of Software Product Success Hesham Magdy Behery Nile University	Paper ID: 88 Utilizing Data Science to Analyze Student Performance Trends in STEM Education: Insights for Enhancing Curriculum Design Zeinab Elmessiry Nile University	Paper ID: 80 Comparative Analysis of Stock Price Prediction Using Machine Learning Abdelrahman Osama Cairo University
12:30 –12:45	Paper ID: 78 A Comparative Study of Different Smart University Frameworks Hussein ElRashidy Nile University	Paper ID: 40 Transfer Learning based Indoor Object Recognition for Visually Impaired People Zainab Ahmed Ain Shams University	Paper ID: 24 Optimized Deep Learning Models Using Particle Swarm Intelligence for MindMend, Stroke Rehabilitation System Habiba Mohamed Abdelrahman Misr international university
12:45 –1:00	Paper ID: 70 Intelligent Decision Support System for Loan Evaluation Using Machine Learning Omnia Elrashidy AIU	Paper ID: 52 Truth Revealed: Enhancing Deception Detection using Long-term Recurrent Convolutional Networks Abdelrahman Mohamed Salaheldin GUC	Paper ID: 35 A Comprehensive Survey on Metaheuristic Algorithms for Feature Selection in High-Dimensional Data: Challenges, Applications, and Future Directions Reham Mohamed Kamal MIU

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1:00 – 1:15	**Paper ID: 60** Real-Time Boundary Detection for Continuous Arabic Sign Language Translation Nour Ayman Abdelhamid German University in Cairo	**Paper ID: 87** Developing a Medical Question-Answering Chatbot for Egyptian Arabic: A Comparative Study Esraa Ismail Helmy Mohamed Nile University	**Paper ID: 89** OSE-IDS: Optimized Stacked Ensemble Intrusion Detection System using Automated Machine Learning Approach. Mohamed Abouhashem Benha University
1:15 – 1:30	**Paper ID: 82** Trade-offs in Performance and Optimization Techniques in Unity 3D to Achieve Realism Shahd Mohamed Mahmoud UPEI Cairo Branch hosted by Universities of Canada.	**Paper ID: 105** AI in Literature Reviews: a survey of current and emerging methods Mohamed Saied Nile University	**Paper ID: 3** Nexia Tutor: An AI-Powered Language Personalized Learning System for Kids with Dyslexia and Reading Challenges Nancy Hany Tawfik Misr International University
Lunch Break from 1:45 to 2:30		
2:30-3:45	**Session 04 (OOA)**	**Session 05 (OOB)**	**Session 06 (MG1)**
Chair	Dr. Ayman Ezzat	Dr. Diaa Salama	Dr. Taraggy Ghanim
2:30 – 2:45	**Paper ID: 55** Detecting Artificial Inflation of SMS Traffic using Machine Learning. Samy Elsayed Teleb Hassan Cairo University	**Paper ID: 75** Solving Hospital Layout Problem as Quadratic Assignment Problem by Marine Predators Algorithm Mohammad Emad Ibrahim Mustafa October University for Modern Sciences & Arts	**Paper ID: 51** Latency Enhancement Using Efficient Resource Management Scheme Load Balancing Mohamed Ahmed Samy Mohamed Elwakil
2:45 – 3:00	**Paper ID: 74** An Attention-based Unsupervised Framework for Video Anomaly Detection in Large Heterogeneous Environments Mohamed Hussein Rehan Benha University	**Paper ID: 54** CNN Brain Tumor Classification based on Masked Image Using U-Net Segmentation Tarneem Alaa Abdelreheem German University in Cairo	**Paper ID: 90** Split-Compression Framework for Traffic Reduction between IoT and Cloud Youssef Mohamed Mobarak Cairo University
3:00 – 3:15	**Paper ID:45** Optimizing Driver Monitoring System Performance on TI-TDA4VM Edge Device Mariam Ahmed Fathy Alexandria University	**Paper ID: 61** TapToTab: Video-Based Guitar Tabs Generation using AI and Audio Analysis Ihab Essam Mohamed Ain Shams University	**Paper ID: 42** AI Applications in Medical Reporting and Diagnosis Manal Makram Hana Cairo University
3:15 – 3:30	**Paper ID: 49** A Tutorial on Quantum Computing and Deep Learning with Quantum Deep Neural Networks Mohamed Hassan King Salman International University	**Paper ID: 62** PoseRight: An AI Empowered Automatic Posture Estimation and Correction Model Mary Saad Yousef Saad Seleman Ain shams university	**Paper ID: 124** Power Efficiency Enhancement in 5G HetNets Using Adaptive BPSO and Classification Trees Mayada Osama Mohamed Misr International University
3:30 – 3:45	**Paper ID:**	**Paper ID: 68** Enhancing Dietary Guidance with Machine Learning a Stacking Classifier Approach to Personalized Nutrition Loay Nabil Abdo October University for Modern Sciences and Arts	**Paper ID:**

Day 2 – 14/11/2024 – Online

10 –11:15	Session 07	Session 08	Session 09	Session 10
Chair	Prof. Eslam Amer	Prof. Ammar Mohamed	Dr. Essam Eliwa	Dr. Ahmed Mansour
Link	Session 7 Link	Session 8 Link	Session 9 Link	Session 10 Link
10:00 – 10:15	**Paper ID: 38** Enhanced classification method for large-scale medical data Somia Mohamed IS Benha University	**Paper ID: 14** MiT-ReITR: An Advanced Scene Graph-based Cross-modal Retrieval Model for Real-Time Capabilities Mohammad Essam Ain Shams University	**Paper ID: 50** The Blockchain Sharding Model to Improve the Efficiency of a Global-Coffee Supply Chain System Based on Blockchain Technology Inayatulloh Bina Nusantara University	**Paper ID: 15** Multi-Target Classification for Predicting Myocardial Infarction Complications: A Comparative Analysis of Various Machine Learning Techniques Abdullah Tamer Ain Shams University
10:15 – 10:30	**Paper ID: 56** Detecting Generative AI in Images Mariam Alaa Metwally GUC	**Paper ID: 22** Forecasting Electricity Transfer Metrics using Neural Networks Amr Abdelaziz MIU	**Paper ID: 81** A Graph Convolutional Network Methodology for Aspect-Based Sentiment Analysis Focusing on Aspect-Term Relations Makera Moayad Aziz Universiti Kebangsaan Malaysia	**Paper ID: 67** Machine Learning in Windows Malware Detection Gannat Elsayed Nile University
10:30 – 10:45	**Paper ID: 65** An Effective Marine Predators Algorithm for Flexible Job-shop Scheduling Problem Noha Mohamed Ahmed MSA University	**Paper ID: 48** A Comparative Analysis of Arabic Text Summarization Techniques: Evaluating Word Frequency, K-means Clustering, and PageRank Algorithm Abdelrhman Ahmed New Mansoura University	**Paper ID: 101** ERPA: Efficient RPA Model Integrating OCR and LLMs for Intelligent Document Processing Osama Hosam Fawzy MSA University	**Paper ID: 103** A Comprehensive Survey on Dimension Reduction for Medical Big Data Using Optimization Algorithms Ahmed Abu Alheijat Obour High Institutes for Informatics
10:45 – 11:00	**Paper ID: 119** Optimizing Brain Tumor Detection: Enhancing Diagnostic Accuracy in Brain Tumor Detection Using A Hybrid Approach of Machine Learning and Deep Learning Models Shahd Ahmed Omar MIU	**Paper ID: 106** Comprehensive Survey on Metaheuristic Approaches for Photovoltaic Parameter Identification Asmaa R. Ibrahim Obour Higher Institute for Management & Informatics	**Paper ID: 107** Utilizing Gyroscope and Accelerometer for Self-Managed Crystal methamphetamine Recovery and Private Monitoring Omar Amr Adel Mohamed MSA University	**Paper ID: 117** Improving Movie Review Sentiment Classification Through Advanced Machine Learning Models: A Comparative Study Mohamed Ehab Anwar MIU
11:00 – 11:15	**Paper ID: 120** Unlocking the Secrets of Online Engagement: A Deep Dive into Website Traffic Nour Hesham Fekry MIU	**Paper ID: 118** Global Mental Health Disorder Trends: Advanced Forecasting Techniques Using Time Series and Neural Networks Moshir Ashraf MIU	**Paper ID: 97** Automated Rats Detection and Tracking for Behavioral Analysis in Biological Experiments Haidy Aboud Mahmoud MSA University	**Paper ID: 109** Harnessing Machine Learning to Enhance Malware Classification: A Focus on Ensemble Techniques Mariam Samy Aly MIU

	Break from 11:15 to 11:45			
11:45–1:00	Session 11	Session 12	Session 13	Session 14
Chair	Dr. Ashraf AbdelRaouf	Dr. Nesreen Elsaber	Dr. Walaa Hassan	Dr. Ahmed Mansour
Link	Session 11 Link	Session 12 Link	Session 13 Link	Session 14 Link
11:45 – 12:00	Paper ID: 121	Paper ID: 93	Paper ID: 47	Paper ID: 102
	Leveraging Machine Learning for Accurate Store Sales Prediction: A Comparative Study	Detection and Classification of Correctly and Incorrectly Played Strokes in Tennis	Enhanced Plant Health Recognition via Humanoid Robot Advanced Sensing and AI	A Collaborative Human-AI Guided Decision Framework - Gen-Edge-AI
	Shahd Khaled MIU	Enjy Ramadan Eid October University for Modern sciences and Arts	Manar Ashraf Ibrahim Eldesouky New Mansoura University	Ahmed N. Gohar Technology and Innovation CoC, IBM, IEEE Senior Member
12:00 – 12:15	Paper ID: 25	Paper ID: 95	Paper ID: 66	Paper ID: 104
	ResuFit: Precision CV Matching System	Understanding Abnormal Driver's Behaviours Detection	Exploring the Role of Humanoid Robots in Adaptive Learning Systems: A Case Study on Quizzing	Deep Heuristic Learning for Real-Time Urban Pathfinding
	Donia Sameh Misr International University	Enjy Ramadan Eid Abdelgawad October University for Modern sciences and Arts	Eman Ali Mohamed Noh New Mansoura University	Mohamed Hussein Abo El-Ela MSA University
12:15 – 12:30	Paper ID: 76	Paper ID: 86	Paper ID: 92	Paper ID: 13
	Evaluating Machine Learning Techniques for ICS Security: Insights from Dataset Limitations and Classifier Performance	Automating Fruit Quality Inspection through Transfer Learning and GANs	Enhancing Higher Educational Student Performance Using Data Mining Techniques	Work-efficient Parallel Rabin-Karp for GPU Accelerated NIDS
	Eslam Amer University of Portsmouth	Pierre Nabil Fayez MSA University	Ahmed Ali Abd Elhalim BIS Department, Helwan university	Anas Mohamed Abbas Ain Shams university
12:30 – 12:45	Paper ID: 77	Paper ID: 96	Paper ID: 02	Paper ID: 99
	The End of the Search Engine Era and the Rise of Generative AI: A Paradigm Shift in Information Retrieval	Evaluating Actors' Performance using Machine Learning for Gesture Classification.	Smart Inventory Management System using LSTM	Enhanced Drone-based Plant Disease Detection with Visual Data Augmentation and Optimized Training
	Eslam Amer School of Computing University of Portsmouth	Omar Amr Adel Mohamed MSA University	Farah Hamed Ahmed MIU	Mennaallah nafady MSA university
12:45 – 1:00	Paper ID: 84	Paper ID: 98	Paper ID: 07	Paper ID: 64
	From Black Boxes to Transparent Insights: Enhancing Industrial Control Systems Anomaly Detection with Deep Autoencoder Models	A framework for adaptive Game Play and Adversary Creation based on Gamer Behavioral Analysis and Large Language (LLM) Models	Automating Forensic Analysis: Integrating Machine Learning Algorithms for Forensic Evidence and Serial Killer Profiling	Electron microscopy image segmentation for nanoparticle size distribution recognition
	Eslam Amer University of Portsmouth	Yomna M.I. Hassan UPEI Cairo Branch by Universities of Canada, Egypt	Mariam Mohamed MIU	Peter Ashraf Samy GUC
	Closing Session from 1:00 to 1:15			