MSA UNIVERSITY
IN EGYPT SINCE 1996
Established by Dr.Nawal El Degwi

MSA UNIVERSITY
FACULTY OF COMPUTER SCIENCE
EXCELLENCE FOR MODERN DEVELOPMENT

IEEE Egypt Section

IMSA 2026

INTERNATIONAL CONFERENCE ON INTELLIGENT METHODS SYSTEMS & APPLICATIONS

CONFERENCE AGENDA

11TH – 12TH JULY 2026

MSA UNIVERSITY
SSB Building, Main Hall

imsa.msa.edu.eg | IEEE & Scopus-indexed

Session 1

START: Day 1, 11:30 AM END: Day 1, 01:30 PM

ROOM: C111

Chair: Walaa Ashmawy **Co-Chair:** Ali Khater *Presentations (6)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
82	Tri-fusion CNN-based Models with Attention for MRI Brain Tumor Classification	Mohammed Ammar; Erfan Nada; Ebtesam E. Shemis	On Campus	11:30 AM
43	MASF: A Multi-Model Adaptive Selection Framework for Abstractive Text Summarization	Ahmed Alansary; Ali Hamdi	On Campus	11:50 AM
72	Severity-Aware Curriculum Learning with Multi-Model Response Selection for Medical Text Generation	Ahmed Alansary; Molham Mohamed; Ali Hamdi	On Campus	12:10 AM
166	Hybrid Neural Retrieval with Generative Query Refinement for Quranic Passage Retrieval	Mohamed Salman; Mohammad Emad; Ali Hamdi	On Campus	12:30 PM
77	A Self-Consistency-Based Reranking for Narrative Question Answering	Molham Mohamed; Ali Hamdi	On Campus	12:50 PM
135	Improving Answer Extraction in Context-based Question Answering Systems Using LLMs	Hafez Abdelghaffar; Ahmed Alansary; Ali Hamdi	On Campus	01:10 PM

Session 2

START: Day 1, 11:30 AM END: Day 1, 01:30 PM

ROOM: C112

Chair: Mohammed Elzawawy **Co-Chair:** Mai Hassan *Presentations (6)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
73	An Adaptive Feature-Aware Feed-Forward Neural Network for Intelligent Network Intrusion Detection	Sultan Alotaibi; Waleed Alsulaiteen; Ammar Mohammed	On Campus	11:30 AM
142	D-MRSS: Two-Stage Reputation and Anomaly Defense for Blockchain-Based Federated Learning	Ahmed Yasser; Mervat Kamel; Marwa Khalil; Mai Saeed; Zeinab Hassan	On Campus	11:50 AM
22	Real-Time Machine Learning Based Jamming Detection for SDR-Based V2V Communication	Istiak Mahmud; Shadman Rahman Doha; Prakash Ranganathan; Ahmed Abdelhadi	On Campus	12:10 AM
57	A Multilayer Integrated Framework for Continuous Third-Party Cyber Risk Governance	Ahmed Khalil; Heba Aslan	On Campus	12:30 PM
109	Comparative Analysis of TCP Congestion Control Algorithms: RENO, CUBIC, and BBR	Osamah Redhwan; Ahmed bahig; Ahmed El-Shamy	On Campus	12:50 PM
143	Explainable Machine Learning for Financial Fraud Detection: Cybersecurity Forensics with Auditing and Risk Analytics	Maytham Mosa Jnkeer; Muna Yousif Enad; Adil Basheer Dhahir Dukhkhani; Ahmed Abbas Jasim Al-Hchaimi; Siraj Razooqi Abbas; Yousif Muhsen	On Campus	01:10 PM

Session 3

START: Day 1, 11:30 AM END: Day 1, 01:30 PM

ROOM: D117

Chair: Ahmed Sedeek **Co-Chair:** Rabab Nabawy *Presentations (6)*

Day 1: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/86544844210

PAPER #	TITLE	AUTHORS	MODE	START TIME
184	PULSE: Personal Ubiquitous Life Sensing for ECG Classification System Using AI-Driven Analytics	Amel Mohamed; Germeen Tharwat; Yara Tarek; Abdelrahman Mohamed; Zeiad Osama; Ahmed Ibrahim; Fatma Youssef; Moaz Mohamed	On Campus	11:30 AM
200	DeepHealth-Sync: A Scalable Offline-First EHR System with Asynchronous SQLite-to-MongoDB Synchronization	Antonious Isaac; Yahya Mahmoud; Mazen Ebrahim; Rabab Nabawy	On Campus	11:50 AM
16	Hybrid Time-Series Forecasting of CO2 Emissions: The Philippines and Global Context	Alma Christie Reyna; Jessa Hambre; Ralph Aran Cabañero; Antonio Piloton Jr.; Malakit Ram; Rhoderick Malangsa	Online	12:10 AM
17	Evolution of ARIMA and Hybrid ARIMA Models in Time Series Forecasting	Perfecto Ruaya, Jr.; Jessa Hambre; Antonio Jr. Piloton; Ralph Aran Cabañero; Czarina Ancella Gabi; Malakit Ram	Online	12:30 PM
18	Forecasting Global and Philippine Oil Consumption Using ARIMA, Prophet, Exponential Smoothing	Jovie Gallera; Jessa Hambre; Antonio Jr. Piloton; Ghandi Galila; Malakit Ram; Rhoderick Malangsa	Online	12:50 PM
20	Sensitivity Analysis of Mixtures of Support Vector Machine Experts to Data Quality Issues	Taiwo Omomule; Andries Engelbrecht	On Campus	01:10 PM

Session 4

START: Day 1, 11:30 AM END: Day 1, 01:30 PM

ROOM: C116

Chair: Ashraf Abdelraouf **Co-Chair:** Mohamed Amir *Presentations (6)*

Day 1: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/86544844210

PAPER #	TITLE	AUTHORS	MODE	START TIME
14	Decoding Recommendation Decisions Using Explainable AI	Maha Sayed	Online	11:30 AM
12	Banana Crops Leaf Diseases Classification Using a Novel CBAM Based Model	Taha Mahmoud Al-Naimi; Saif M. BAlsabti; Raid gaib; Harpal singh; Ali Elhenidy; Ammar sh. Ahmed	On Campus	11:50 AM
32	Power Line Defect Detection Based on YOLOv13	Sari Khdhaer Mukhlif; Hasan Salman Hamad; Hanan jabbar abdulkareem; Rajaa Daami resen; Hassan Muayad Ibrahim; Ali Elhenidy	On Campus	12:10 AM
108	Balanced Speech Emotion Recognition for Edge and Cloud: A Practical Accuracy-Efficiency Tradeoff	Youssef Afifi; Ahmed Elabd; Ammar Mohammed; Farah Darwish	On Campus	12:30 PM
158	A Comparison of Digital and Photonic RNS-Based Neural Network Accelerators	Nada Mowafi; Salwa Abdelhafiz; Noha Gamal; Ahmed Radwan	On Campus	12:50 PM
92	KidsGuard: A Wearable Patch and IoT-Enabled Mobile Health Platform for Pediatric Vital Monitoring	soha Mohamed; Essra El-Hamshary; Arwa Ayman Dahy;Naira Ahmed Hassan; Rowan Awad Hamdy; Retage Hossam Aldi n; Hana Hisham Abdelkari m; Amira Elkhouly	On Campus	01:10 PM

Session 5

START: Day 1, 11:30 AM END: Day 1, 01:30 PM

ROOM: C117

Chair: Fatma Emara **Co-Chair:** Wael Gomaa *Presentations (5)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
64	Hybrid Sparse-Dense RAG for Citation-Grounded Legal QA Over SCOTUS Case Law	Abdalla Omar; Ahmed Sharaf; Samar Mahmoud	On Campus	11:30 AM
78	ANTIDOTE: Improving Generalization and Robustness of Task-Aware Information Retrieval	Omar ibrahim; Mariam Matar; Ayman Khalafallah; Nagwa El-Makky	On Campus	11:50 AM
168	Automatic Model Selection and Sign-Aware Multiplicative Sentiment Modulation for Algorithmic Trading	Mohamed El Molla; Mohamed Atef; Yahia Abdelmonaem; Raghda E. Ali	On Campus	12:10 AM
199	A Multi-Component Framework for Safe Mental Health Chatbots	Ahmed Hatem; Alia Guda; Ahmed Khattab; NooFAbdelhady; Yassin Bedeir; Raghda Ali	On Campus	12:30 PM
115	Cascading Post-OCR Error Correction for Historical Arabic	Maram Attia; Marwan Torki; Ayman Khalafallah	On Campus	12:50 PM

Session 6

START: Day 1, 02:00 PM END: Day 1, 04:00 PM

ROOM: C111

Chair: Amany Abdo **Co-Chair:** Ali Hamdi *Presentations (6)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
183	Design and Implementation of a Multi-Threaded TCP Port Scanner with Performance Analysis	Mohamed Mannaa	On Campus	02:00 PM
175	MediDiagnose: An Explainable AI-Powered Clinical Decision Support System	Youssef Sayed; Nermin Negeid; Ali Hassanein	On Campus	02:20 PM
212	Educational System For Children With Autism Spectrum Disorder	naden mohamed; hanan tarek; Marwa Solyman	On Campus	02:40 PM
15	ArchiGen: An LLM-Augmented Framework for Automated Generation of Software Solution Blueprint Documents	Dr. Mohammed Megahed	On Campus	03:00 PM
152	Empirical Evaluation of Large Language Models and Transformer Models for Requirements Classification	Hadeel Elsherbeiny; Ehab Ezzat; Ali Zidane; Ammar Mohammed	On Campus	03:20 PM
157	Proactive Ensemble ML Autoscaling for Cloud-Native Microservices	Ahmed El-Darawi; Ahmed Shaaban; moamen zaher; Ammar Mohammed	On Campus	03:40 PM

Session 7

START: Day 1, 02:00 PM END: Day 1, 03:40 PM

ROOM: C112

Chair: Hossam Mekway **Co-Chair:** Ali Somiee *Presentations (5)*

Day 1: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/86544844210

PAPER #	TITLE	AUTHORS	MODE	START TIME
34	The Role of Chatbot-AI and Digital Interactions on E-Commerce Customer Loyalty among Generation Y	Alvin Alvin; Erlangga Rizky Nugroho; Frenky kwee; Yulia Ery Kurniawati	Online	02:00 PM
47	Enhancing Human Machine Interaction in Electric Bus Cyber Physical Systems	Vijeet Gahlawat; Ali Aidibe; Soumaya Yacout	Online	02:20 PM
102	Predicting Student Performance Using Multi-Modal Behavioral Features	Mohamed Ali; Andrew Talaat; Ayman Ezzat	On Campus	02:40 PM
170	Padel-Vision: A Tangible HCI System for Skill-Adaptive Coaching	Shahd Morsy; Mostafa Essam; Yahya Mahmoud; Antonious Heshmat; Farah Darwish; Ayman Ezzat	On Campus	03:00 PM
95	Design and Implementation of an AI Agent-Driven Block-Based Platform for Full-Stack Web Development	Soha Mohamed; Assem Ayman Abdelwahab; Merna Ahmed Saad; Ali Ahmed Hamdy; Ahmed Fawzy Yahya; Nada Amr Mohamed	On Campus	03:20 PM

Session 8

START: Day 1, 02:00 PM END: Day 1, 04:00 PM

ROOM: D117

Chair: Abdelaziz Ahmed **Co-Chair:** Ahmed Elshamy *Presentations (6)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
63	Supervised Mixture-of-Experts with Deep Neural Network Routing via Reinforcement Learning	Youssef Abdulghany; Ayad Zewail; Ahmed El-Shamy	On Campus	02:00 PM
79	A Crypto-Agile Proxy Architecture for Hybrid Classical and Post-Quantum Secure Communication	Shahd Tamer	On Campus	02:20 PM
112	Post-Quantum Cryptographic Framework for Critical Infrastructure Protection	Wael Badawy	On Campus	02:40 PM
139	A Hybrid Machine Learning Framework for Real-Time Cyber Attack Classification in SOCs	Mina Ernest; Mena Nabil; Mazen Ebrahim; Hesham Mansour	On Campus	03:00 PM

Session 9

START: Day 1, 02:00 PM END: Day 1, 04:00 PM

ROOM: C116

Chair: Amr Ghonem **Co-Chair:** Nehal Ali *Presentations (6)*

Day 1: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/86544844210

PAPER #	TITLE	AUTHORS	MODE	START TIME
122	Antimicrobial Resistance Prediction in Salmonella enterica Using Frequency Chaos Game Representation and ResNet-18	Salma Fayed; Saifelden Ismail	Online	02:00 PM
58	Explainable Alzheimer's Disease Classification from Brain MRI	Hassan Fouad; Gehad Ismail Sayed	On Campus	02:20 PM
59	A Pretrained CNN-Transformer Gated Fusion Architecture for Ovarian Cancer Histological Subtype	Ahmed Sameh; Gehad Ismail Sayed	On Campus	02:40 PM
61	A Deep Learning Based Framework Using Multidimensional Feature Fusion for Cardiovascular Disease Classification	Hossam Rashad; Gehad Ismail Sayed	On Campus	03:00 PM
87	A Vision Transformer-Based Model for Skin Disease Classification	Mohamed Abdalla; Gehad Ismail Sayed	On Campus	03:20 PM
94	Multi-Label Ocular Disease Recognition Using Vision Transformers on the ODIR-5K Dataset	Abdullah Abu El Azm; Gehad Ismail Sayed	On Campus	03:40 PM

Session 10

START: Day 1, 02:00 PM END: Day 1, 04:20 PM

ROOM: C117 (Online Session)

Chair: Iman Helal **Co-Chair:** Amr Elmaghraby *Presentations (7)*

Day 1: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/86544844210

PAPER #	TITLE	AUTHORS	MODE	START TIME
23	A Hybrid Ensemble Framework for Daily Transaction Volume Forecasting in Telecom Networks	Mohamed Tharwat; Eshraq Saeed	Online	02:00 PM
173	AutoPrepAI: Explainable Multi-Agent Data Preprocessing	Nada Gamal; Hassan Sherif; Mahmoud Ayman; Zinab Mohamed; Maryam Hossam; Mohammad El-Ramly	On Campus	02:20 PM
60	Intelligent Network Intrusion Detection Using Hybrid Machine Learning and Deep Learning Models	Heba Allam; Abdul-Hadi Nabih Ahmed; Reda A. El-Khoribi; Abeer I. Zidan	Online	02:40 PM
156	KURA: Plant Leaf Disease Detection Using EfficientNet	tarek mansour; waseem shafek; Samar Mahmoud; hanan tarek	Online	03:00 PM
91	Real-Time Sentiment Analysis and Stock Movement Prediction for Financial Markets	Toka Nabil; Sama zaky; Sara Yosry; Yomna Eid; Walaa Medhat	Online	03:20 PM
193	Pipeline-Aware Optimization for Real-Time 3D MRI Volume Rendering Using OpenGL	Khaled Ahmed; Abdelrahman Nabil; Tamer Nassef	Online	03:40 PM

Session 11

START: Day 2, 11:00 AM END: Day 2, 01:00 PM

ROOM: C111

Chair: Ensaf Hussein **Co-Chair:** Nermin Kamal *Presentations (6)*

Day 2: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/89190569869

PAPER #	TITLE	AUTHORS	MODE	START TIME
106	Balancing Reliability and Efficiency: Multi-Agent Design Patterns in Healthcare	Meshary AlMutairi; Faisal AlRefaei; Mobark AlYousef; Amamr Mohammed	On Campus	11:00 AM
84	Design and Development of an Automated Photovoltaic-Powered Irrigation System	HADIDI ABDELKADER; Djamel SABA; Mourad GAHGAH; Mohammed Choukri KORTI; Ahmed YOUCEF; Mostefa KHELAFI	On Campus	11:20 AM
227	A Lightweight CNN for Pleural Effusion Localisation and Multi-Class Chest X-Ray Classification	Priyanshi Kumari; Razia Sulthana Abdul Kareem	On Campus	11:40 AM
197	Renal Failure Detection Using Transformers	Karam karam; fady naguib; Habiba Elkashef; Zeinab Abd El haliem	On Campus	12:00 PM
29	A Proof-of-Concept Physio-Digital Twin for Stress-Aware Shared Micro-Mobility	SYED SHAH	Online	12:20 PM
228	Spectrogram-Based CNN Feature Optimisation for Acoustic Detection of Wind Turbine Blade Damage	Baseer Ahmed; Jia Wang	On Campus	12:40 PM
150	An AI-Driven Network Forensics Framework for Financial Fraud Detection in Banking Systems	Zahraa Naji Obaid; Saja Hussyn; Omar Adeeb Qassim; Ali A. Abdulsaeed; Siraj Razooqi Abbas; ahmed al-hchaimi	Online	01:00 PM

Session 12

START: Day 2, 11:00 AM END: Day 2, 01:40 PM

ROOM: C112 (Online Session)

Chair: Mefreh Ahmed **Co-Chair:** Maha Hatem *Presentations (8)*

Day 2: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/89190569869

PAPER #	TITLE	AUTHORS	MODE	START TIME
48	Automated AI-Based Detection and Classification of Dental Implants and Caries	Sara Hossam; Mennatallah Nabawy; Farah Darwish; Mai Hassan	Online	11:00 AM
137	Deep Learning-Based Detection and 3D Visualization of Dental Caries in CBCT Scans Using U-Net	Maram Ismail; Mazen Ebrahim; Mohammed Saad; Tamer Nassef	Online	11:20 AM
107	Bridging the Generalization Gap: Multi-Modal Hybrid R-ViT Architecture for mHealth Breast Cancer Screening	menna rashad; Raghda Abd El-Razek; Marwa Solayman	Online	11:40 AM
218	Context-Aware Deep Learning Segmentation of Multiple Myeloma Cells via Combined Mask Preprocessing	Ashraf Alatawi; Ammar Mohammed	Online	12:00 PM
86	Ensemble-Based Machine Learning for Drug-Induced Autoimmunity Prediction Using Molecular Descriptors	Mohammed Fouda; Abdullah Sabor; Ammar Mohmmed	On Campus	12:20 PM
56	Re-evaluating EEG-Based ADHD Classification: Impact of Subject-Level Validation	Nour Hamouda; nada ahmed; Nermin Kamal; Farah Darwish; Hanan Tarek	Online	12:40 PM
96	Beyond Perplexity: Checkpoint Selection for PG-19 Story Generation with Progressive Transformer Expansion	Kareem Salah; Samar Mahmoud; Mazen Ebrahim	Online	01:00 PM
134	Augmenting Memory and Independence in Alzheimer's Patients: AI-Powered Wearable and Mobile App Framework	Malak Ahmed; Abdalla Wagih; Youssef Sharabas; Reem Kadry; Zeinab Abd El Haliem	Online	01:20 PM

Session 13

START: Day 2, 11:00 AM END: Day 2, 01:00 PM

ROOM: D117

Chair: Ahmed Mansour **Co-Chair:** Ebtesam Elhosseiny *Presentations (6)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
98	A Multimodal Pipeline for Screen-Aware Interactive Learning with Vision Grounding, Speech Interaction, LLM Integration	Youssef Khalaf; Mostafa Abdelrady; Rabab Nabawy	On Campus	11:00 AM
10	Fire Detection Using YOLOv11: A Comparative Study on Efficiency and Accuracy	hanan khairy	On Campus	11:20 AM
44	Time-to-Flashover Prediction of High-Voltage Outdoor Insulators Using Transformer-Based Modeling	Malak Allam; Khaled Shaban; Ali Hamdi	On Campus	11:40 AM
213	Adaptive Camouflage Intelligence Framework Using Frequency-Spatial Attention and Multi-Task Deep Learning	Safa Elaskary; Tamer Nassef	On Campus	12:00 PM
25	SkyFuseNet: A Cross-Attention Swin Transformer-Based Model for PM2.5 Estimation	Mohamed Saleh; Gehad Ismail Sayed	On Campus	12:20 PM
88	C2SMOT: Domain-Adaptive UAV Multi-Object Tracking via Selective Segmentation	Abdelrahman Abdelfattah; Ali Hamdi	On Campus	12:40 PM

Session 14

START: Day 2, 11:00 AM END: Day 2, 01:00 PM

ROOM: C116

Chair: Shaira Azzab **Co-Chair:** Moataz Samy *Presentations (6)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
62	A Lightweight-based Transformer Model for Detecting Phishing E-mails	Asmaa moahmed; Asmaa Adb elaziz Elkholy; Shimaa Osman	On Campus	11:00 AM
130	Memory-Augmented Mixture-of-Facet-Experts with Cross-Attention for Personality-Aware Emotional Support Dialogue	Menna Elgabry; Ali Hamdi	On Campus	11:20 AM
165	Arabic Depression Detection From Social Media Text Using an Ensemble of Transformer Classifiers	Pierre Bouls; Hazem Abdelhamed	On Campus	11:40 AM
219	A Transformer-Based Framework for Automated Generation of Use Case, Sequence, and Class Diagrams	Belal Hany; Mohamed Labib	On Campus	12:00 PM
186	An End-to-End Arabic Text Correction Framework: Character-Level Transformers and Pre-trained AraBART	Mohamed Soltan; Abdelmonem Hatem; Mohamed Taha; Youssef Khalaf	On Campus	12:20 PM
154	SmartFix-AI: Integrating Multi-Domain Predictive Maintenance into a Dual-Platform Home Service Marketplace Using Ensemble Anomaly Detection	Shahd abdelkader; Zeina ayman; Moataz Samy; Ibrahim Ali	On Campus	12:40 PM

Session 15

START: Day 2, 11:00 AM END: Day 2, 12:40 PM

ROOM: C117

Chair: Mostafa Ezzat **Co-Chair:** Eman Abolhamd Abdelhamed *Presentations (5)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
204	TAFD: A Temporal Arabic Fatwa Dataset for Modeling Recurring Islamic Questions	Maryam Mohammed; Reda Zayed; Mostafa Abdulkareem; Mustafa A. Elattar; Ensaf Hussein Mohamed	**On Campus**	**11:00 AM**
124	Smart Arabic Speech Therapy: An AI-Powered Platform for Speech-Language Pathology Assessment	Mohamed Taha; Abdelmonem Hatem; Maha Hatem; Reem Kadry	**On Campus**	**11:20 AM**
129	AIMA: An Autonomous Multi-Agent AI System for End-to-End Instagram Content Strategy	Reman Sewilam	**On Campus**	**11:40 AM**
138	Enhancing Cyberbullying Detection via Fusion of Contextual, Sentiment, and Emotional Features	Yousef Ashraf; Mohammad Emad; Ali Hamdi	**On Campus**	**12:00 PM**
133	Selective Layer-wise Post-Training Editing for Improved Mathematical Reasoning in LLMs	Mohamed Ehab; Ali Hamdi	**On Campus**	**12:20 PM**

Session 16

START: Day 2, 02:00 PM END: Day 2, 04:00 PM

ROOM: C111

Chair: Rabab Farouk **Co-Chair:** Mohamed Hossam *Presentations (6)*

Day 2: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/89190569869

PAPER #	TITLE	AUTHORS	MODE	START TIME
167	A Hybrid LSTM-XGBoost Framework for Multi-Horizon Stock Return Prediction	Seifeldin M; Yahia Eltouny; Farah Darwish; Marwa Solayman	On Campus	02:00 PM
195	Comparing Dominant-Emotion Aggregation Methods for Facial Expression Recognition	Ahmed Elabd; Youssef Afifi; Farah Darwish; Ammar Mohammed	On Campus	02:20 PM
136	Horus Eye: Adaptive Scheduling and Context-Aware Prioritization for Real-Time Multi-Threat Surveillance	Mark Sherif; Youssef Bashir; Ahmed El Shamy; Reem Kadry	On Campus	02:40 PM
160	Efficient Human Activity Recognition Using Magnitude-Enhanced Statistical Features and Extra Trees Ensemble	Mohamed Mohamed; Ahmed ELShamy; Youssef Mohammed; Hafez Abdelghaffar; Abdelrahman Ahmed; Yousif Osama	Online	03:00 PM
97	A Multi-Output Arabic Medical Question Answering Framework with Semantic Consistency Constraints	Zeyad Deraz	On Campus	03:20 PM
169	Design and Implementation of a Multimodal Sentence-Building Game Using Tangible Markers and Hand Gestures	Anas Sabry; Alaa Zaki; Yousef Mahmoud; Karim Abo Alazm; Sarah Hussein; Ayman Atia	Online	03:40 PM
190	Automatic Stroke-Type and Quality Classification for Competitive Swimming Using a Single Wrist-Mounted IMU	Khaled Amr; Omar Samh; Farah Darwish; Ayman Atia	On Campus	04:00 PM

Session 17

START: Day 2, 02:00 PM END: Day 2, 04:00 PM

ROOM: C112

Chair: Sherif Aboelenin **Co-Chair:** Abdallah Ramadan Fawzy *Presentations (6)*

PAPER #	TITLE	AUTHORS	MODE	START TIME
53	50mm Wearable Software Defined Radio and Heterogeneous Compute Platform	Youssef Hesham; Eslam Osama; Mai Hassan	On Campus	02:00 PM
189	Advancing Crane Dynamics: Hybrid Fuzzy Controller for Enhanced Motion and Position Control	Sherif Abdelmaksoud; Mohammed Al-Mola; Sherif Alhosary	On Campus	02:20 PM
76	Online Path Planning and Robust Trajectory Tracking Control for Autonomous Tracked Mobile Robots	Abubakr Ahmed; Ehab Said; Amr Roshdy; Mohamed Kamel	On Campus	02:40 PM
85	Pareto-Optimal Feature Selection: A Three-Stage Hybrid GSK-Autoencoder Approach	Shereen El-Feky; Ammar Mohammed; Ihab El-Khodary; Ali Khater; Doaa Saleh	On Campus	03:00 PM
141	AutoPipelineAI: Context-Aware CI/CD Pipeline Generation from Natural Language	Khlood Hassan	On Campus	03:20 PM
203	A Digital Twin-Inspired Simulation Platform with Grounded LLM Advisory for SME Pre-Investment Decision Support	Mohamed Haroun; Emad Wael; Hanaa Abdelkader; Ahmed ElShamy	On Campus	03:40 PM

Session 18

START: Day 2, 02:00 PM END: Day 2, 03:40 PM

ROOM: D117

Chair: Abdelaziz Ahmed **Co-Chair:** Marwa Soliman *Presentations (5)*

Day 2: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/89190569869

PAPER #	TITLE	AUTHORS	MODE	START TIME
90	KinematicMOT: Zero-Shot UAV Multi-Object Tracking via Lost-Track Resurrection and Identity Preservation	Abdelrahman Abdelfattah; Mohammad E. Moftah; Ali Hamdi	**On Campus**	**02:00 PM**
110	Motion-Adaptive Frame Selection for Surveillance Video Classification Across CNNs, Transformers, and Vision Mamba	Mohamed Soltan; Shahd Ahmed; Moamen Zaher; Ammar Mohammed	**On Campus**	**02:20 PM**
127	Enhancing Assistive Scene Description for Visually Impaired Users via Vision-Language Model Fine-Tuning	Alaa Morsy; Mariam Hamed; Samar Mahmoud; Abdelrahman Nagib	**On Campus**	**02:40 PM**
163	Two-Stage Curriculum Training for Arabic Handwritten Text Recognition	Amina Selim; Pola Qulta; Marwan Torki; Ayman Khalaf Allah	**On Campus**	**03:00 PM**
174	Structural Preservation Governs Data Augmentation in Deep Learning-Based Laser Speckle Material Classification	Mohamed Salem; Nourhan Diab	**Online**	**03:20 PM**

Session 19

START: Day 2, 02:00 PM END: Day 2, 03:40 PM

ROOM: C116

Chair: Nermin Hamza **Co-Chair:** Yasmin Farouk *Presentations (5)*

Day 2: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/89190569869

PAPER #	TITLE	AUTHORS	MODE	START TIME
159	A GIS-Aware Deployment-Optimized Wireless Sensor Network for Early Forest Fire Detection	Mohamed Mohamed; Hafez Abdelghaffar; Youssef Mohammed; Yousif Osama; Abdelrahman Ahmed; Ahmed Mohamed	On Campus	02:00 PM
194	Cross-Architecture Knowledge Distillation for Efficient Autoencoder-Based Intrusion Detection	Ahmed ELShamy; youssef ehab8; ayad ahmed	On Campus	02:20 PM
223	Enhancing Evasive Malware Detection Using Supervised Contrastive Learning and Online Adversarial Training	Salma AboZaid	On Campus	02:40 PM
140	Improving Cyber Threat Intelligence Analysis Using Supervised Machine Learning Models	Noura Abdullah; Eid Emary; Mahmoud Attaallah	Online	03:00 PM
70	PhishScore: An Interpretable Multi-Source Phishing Detection Framework with Adaptive Risk Scoring	Safi Al Shiha	On Campus	03:20 PM
225	An LLM-Augmented SIEM Architecture for Automated Incident Handling	Mohamed ELSAGHER	On Campus	03:40 PM

Session 20

START: Day 2, 02:00 PM END: Day 2, 04:20 PM

ROOM: C117 (Online Sessions)

Chair: Farid Ali **Co-Chair:** Raghda Essam *Presentations (6)*

Day 2: Online Sessions

Join Zoom Meeting: https://us06web.zoom.us/j/89190569869

PAPER #	TITLE	AUTHORS	MODE	START TIME
182	ALZ-Foresight: Toward Multimodal Alzheimer Modeling using a Leakage-Safe Multi-Table ADNI Pipeline	Ibrahim Labib; Islam Abdelmotaleb; Shahd Kazan; Raghda E. Ali	Online	02:00 PM
71	Arabic Medical Question Answering Using LoRA-Based Ensemble Classification and Contrastive Retrieval	Mohamed Younes; Abdalla Farghally	Online	02:20 PM
105	Fusion of ECG and EMG Signals for Non-EEG Based Epileptic Seizure Detection Using Deep Learning	Nada Diab	Online	02:40 PM
41	Use of Deep Learning for Egyptian Crop Disease Detection	Nada Mostafa; Mariam Moataz; Mai Hassan; Marwa Solayman	Online	03:00 PM
146	A Hybrid Deep Learning and Network Forensics Approach for Real-Time Fraud Detection	Ali A. Abdulsaeed; Muntadher Basim; ahmed al-hchaimi; Mushtaq Yousif Alhasnawi; Saif Ali Abd Alradha Alsaidi; Siraj Razooqi Abbas	On Campus	03:20 PM
73	An Adaptive Feature-Aware Feed-Forward Neural Network for Intelligent Network Intrusion Detection	Sultan Alotaibi; Waleed Alsulaiteen; Ammar Mohammed	Online	03:40 PM
123	Efficient LoRA Fine-Tuning of Lightweight LLMs for Sentiment Classification	Mohammed Alkhowaiter; Mohammed Ammar	Online	04:00 PM
177	VSP-TSM: A Hybrid Vision Transformer with Adaptive Temporal Shift for Efficient Video Action Recognition	Farid Mousa; Noha Yehia; Ayat Mahmoud	Online	04:20 PM