



2nd International Symposium on AI-Driven Engineering Systems

Symposium Information

Committees
Symposium Statistics

Invited Speakers
Accepted Papers
Technical Program

June 19-20, 2026 | Mbale-Uganda (Hybrid)



IEEE
Uganda Section



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- » Saim Çelik, Islamic University in Uganda, Uganda

ISADES2026 Invited Speaker

**Dr. Mayur Kumar Chhipa***ISBAT University, Kampala, Uganda, East Africa**Vice Chair, IEEE Uganda Section**Counselor, IEEE ISBAT University Student Branch*

Title: "AI-Driven Photonic Integrated Circuits for Next-Generation Data Centers and 6G Communications"

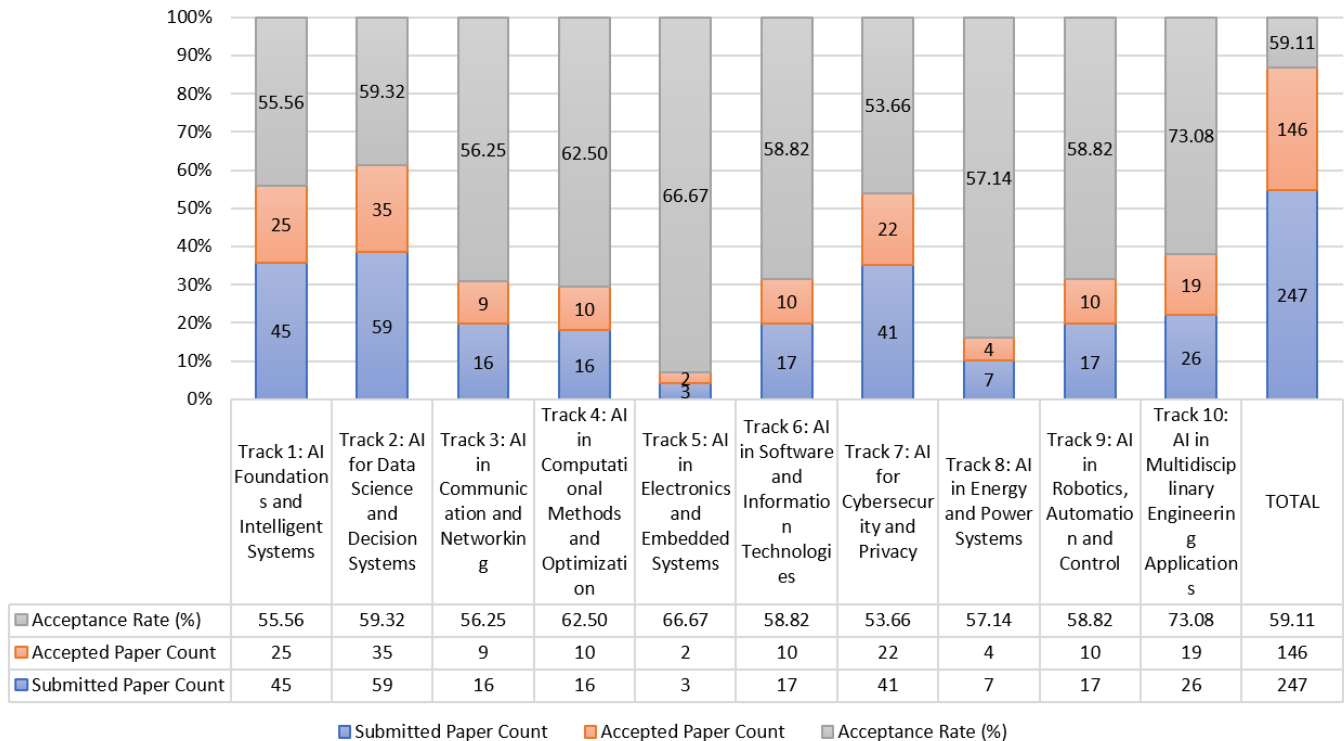
Short-Bio:

Dr. Mayur Kumar Chhipa is a researcher, academician, and IEEE volunteer working in the areas of photonics, optical communications, microwave engineering, artificial intelligence, and photonic integrated circuits (PICs). He is currently serving as Senior Lecturer and Head of Engineering at ISBAT University, Kampala, Uganda, where he is actively involved in teaching, research supervision, innovation, and engineering education leadership. He received his PhD in Electronics and Communication Engineering from K L Deemed to be University, India, with research focused on photonic crystal-based devices and integrated photonic technologies for future optical communication networks.

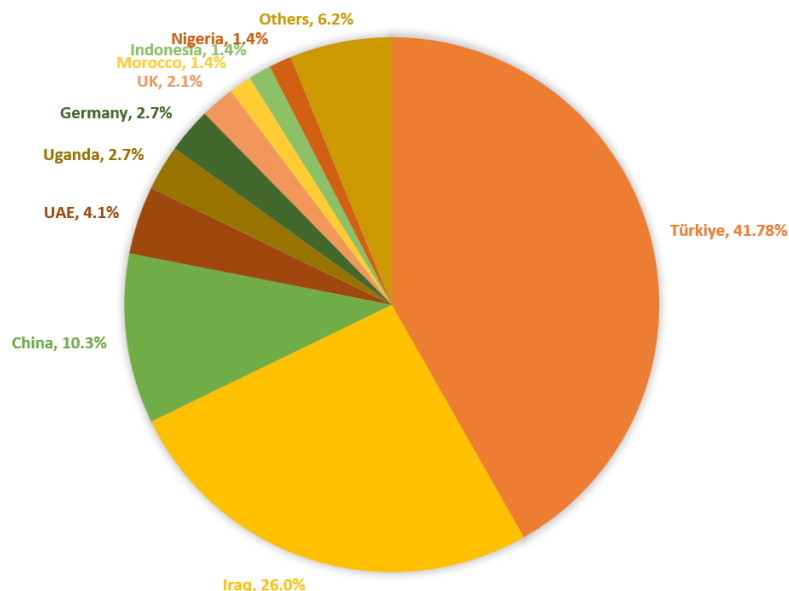
Dr. Chhipa has delivered numerous keynote and invited talks at international conferences, workshops, and IEEE events across Africa and Asia on topics related to photonics, AI-driven communication systems, optical networks, and emerging technologies. His research contributions include publications in IEEE Access, Optical Engineering, Springer, and other reputed international journals and conferences. He is an active Senior Member of IEEE, IEEE MTT-S, IEEE Photonics Society, and several international professional organizations. He is also serving as IEEE MTT-S Region-8 Africa Coordinator and Vice Chair, IEEE Uganda Section. In recognition of his contributions to photonics research and education, he was named among "The Photonics 100" by Electro Optics in 2023.

ISADES2026 Statistics

Acceptance Rate (59.11%)



Top 10 Countries by Number of Speakers



Country	Türkiye	Iraq	China	UAE	Uganda	Germany	UK	Morocco	Indonesia	Nigeria	Others
S. Count	61	38	15	6	4	4	3	2	2	2	9
Rate (%)	41.78%	26.0%	10.3%	4.1%	2.7%	2.7%	2.1%	1.4%	1.4%	1.4%	6.2%
Bangladesh, Bulgaria, China, Cyprus, Germany, Indonesia, Iraq, Italy, Lithuania, Morocco, Nigeria, Pakistan, Romania, Sri Lanka, Tunisia, Türkiye, UAE, Uganda, United Kingdom											

ISADES2026 Accepted Papers

Title	Author(s)
Decision-Support AI for Radar Networks with Limited Communication Bandwidth	Ali Berkol, İdil Gökçe Demirtaş, Sadık Önal
Image-Based Power Quality Disturbance Classification Using a Parameter-Efficient Convolutional Neural Network	Abdullah Aksoy, Enes Yiğit, Mehmet Hakan Demir, Mustafa İnci, Abdullah Çalışkan
Enhancing Consumer Decision-Making via Experimental Data-Driven Functional Display in Outdoor Apparel Marketing	Hongru Hou, Xiaohui Li
A Knowledge Graph-Based Recommendation System for Sustainable Material Selection in Eco-Friendly Product Design	Muran Huang
A Multi-Criteria Evaluation Model of Emotional Experience in Ceramic Intangible Cultural Heritage Tourism	Meiyue Liu
Modeling the Impact of Multisensory Stimulation on Human Emotional and Cognitive Responses under an Artificial Intelligence Framework	Jin Wu
Numerical Study on Mechanical Behavior and Fatigue Life of Flexible Electronic Systems Under High-Curvature Cyclic Bending	Yalin LI
Model Training with PEFT Low-Rank Adaptation (LoRA) and Alternative Strategies	ZEYNEP DESTAN, ERVA ALP
Automated Periodontitis Segmentation in Dental Images Using Dual-Source Training, UNet++, and a Composite Boundary-Topology Loss	Sarmad Maqsood, Toimur Hasan, Ali Amini, Muhammad Abdullah Sarwar, Gabrielë Birbalaitë, Albertas Kriaučiūnas, Rytis Maskeliūnas
Physics-Guided Multi-Stage Gradient Boosting for Battery State of Health Estimation	Mücahit Kutal, Birol Arifoğlu
A Techno-Economic Approach for Optimizing the Tilt Angle and Orientation of Grid-Connected Photovoltaic Systems	Stoyan Bozhkov, Ivelina Metodieva, Ivelina Takeva-Beberova
Human-AI Collaborative Design Decision Framework for Spatial Art	Tingting Zhao, Zhenchuan Liu
Digital Intelligence Transformation and ESG Performance: An AI-Driven Internal Control Evaluation Framework	Mengyuan Xia, Yan Li
Research on Social Media Sentiment Divergence and ChiNext Index Volatility—Evidence from Eastmoney Stock Forum Comments	Duo Cao
Embodied Intelligent Agents for Adaptive Logistics Scheduling in Power Equipment Supply Networks	Chaoxia Gao, Shucheng Qi
Construction of MFGM-Lactoferrin Nanocarriers and Their Absorption Characteristics in Caco-2 Cells	Yingqi Zhang
Machine Vision-Based Positioning and Grasping System for Industrial Robots in Automatic Production Lines	Xiaoqing Liu
Systematic Research and Evaluation of Physics-Informed Quantum Machine Learning for Solving High-Dimensional Schrödinger Equations	Weihao Kong
A Comparative Analysis of Open-Source Recommender System Libraries	Aslı Altıparmak, Zeynep Batmaz
Synergistic Defense: Improving Accuracy through Automated Deception and Profiling in Networks	Rachel John Robinson
GranCATProtoPool and GranCATEdgeFormer: Efficient Prototype-Based and Edge-Aware Architectures for 3D Point Cloud Classification	Furkan Sefa Demirci, Remzi Yıldırım
A Cybersecurity Framework for Smart Grid Renewable Energy Systems: Detection, Analysis, and Mitigation	Taha Mahmoud Al-Naimi , Hasnaa F Khalid, Amna Khaled Khalaf, Avan Majid Mohammed, Sabah F. Abdulhussein, Safa Khalid Alwitary, Qutaiba Nazar Jasim, Shouket A. Ahmed, Ahmed Dheyaa Radhi

Title	Author(s)
AI-Driven Intrusion Detection in Renewable Energy Networks: A Smart Grid Security Approach	Sarah O. Al-Tahir, Farah Imad Abdulkarim, Hussam Asper, Abdolkader M. Khaled, Ali Hamid Abed, Sara Hamid Diab, Wisam H. Ali Al-Anezi, Shouket A. Ahmed, Taha Almulaisi
Cyber Threat Detection in Solar and Wind Energy Systems Using Machine Learning Techniques	Sari Khdhaer Mukhlif, Wurood Faris Ahmed, Sabaa Omar Abdullah, Shihab A. Shawkat, Ali Hamid Abed, Wisam H. Ali Al-Anezi, Anmar Balasim Kadhim, Shouket A. Ahmed, Taha Almulaisi
A Hybrid CNN-LSTM Intrusion Detection Framework for Multi-Attack Cyber Threat Detection in Distributed Renewable Energy SCADA Systems	Shouket A. Ahmed, Noor Haider Shakir, Salsal Sadek Kanaan, Ghada Saad Raheem , Safa'a Hamid Turkey Al Rashid , Mohammed E. Seno , Safa Khalid Alwitry, Ahmed Dheyaa Radhi , Sarah O. Al-Tahir
Blockchain-Enabled Cybersecurity for Renewable Energy Systems: Architecture and Performance Evaluation	Abadal-Salam T. Hussain, Atyaf Hossam Al-Din Ahmed, Mohammed Mosleh Salman, Aaraf Harith Abdul Wahhab, Ahmed Ghalib Ibraheem, Ahmed Majeed Hussein, Fahad Adham Abdulsalam, Taha Almulaisi, Taha Mahmoud Al-Naimi
Securing IoT-Enabled Renewable Energy Infrastructures Using Advanced Intrusion Detection Systems	Abadal-Salam T. Hussain, Ahlam Sabbar Uraibi, Reem Ziad Shoulek , Saif Hasan Mohammed, Wed Laith Khalil, Qasim Shakr Mahmood AL.FALAH , Taiba Mohammed Jalal, Marwa M. Ismaeel, Taha Almulaisi
A Hybrid Approach for Road Damage Detection and Precise Boundary Segmentation Using YOLOv12 and Segment Anything Model (SAM)	Maryam Kareem Ali, Armaneesa Naaman Hasoon
A Review Article On Discovering Human Cancers Using Deep Learning Techniques	Muna Y. Salah, Majid Ali, Ahmed S Abdullah
Adversarial Machine Learning Attacks and Defense Mechanisms in Renewable Energy System	Marwa M. Ismaeel, Mohanad Mohammed Rashid, Kawakib Sabri Hadith, Basil Mohammed Mohi Aldeen , Ali Adil Razzaq, Safa Khalid Alwitry, Ibrahim Khalil Ibrahim, Ahmed Dheyaa Radhi , Faris Hassan Taha
Cybersecurity Risk Assessment of Smart Renewable Grids Using Data Analytics and Simulation	Nissan Sabbar Thmail , Sinan Q. Salih , Ahmed Sattar Aboud, Faez Hlail Srayyih, Faisal Ghazi Faisal, Rana Qasim Ameen, Safa Khalid Alwitry, Ahmed Dheyaa Radhi , Faris Hassan Taha
Federated Learning-Based Cybersecurity Framework for Renewable Energy Networks	Faris Hassan Taha , Mohammed Moayad Ahmed, Mohammed Abd Ahmed, Jalal Jabbar Aleiwi Al-Majidi, Ahmed Abbas Faraj Noor Arbic , Mohammed Mansoor Nafea, Safa Khalid Alwitry, Sinan Q. Salih , Ahmed Dheyaa Radhi
An Intelligent Deep Learning Framework for Cyberattack Detection and Resilience Enhancement in Smart Renewable Energy Grids	Ali Mustafa, Huda Safi Jari, Nada Saddam Jebur, Ali Abdul Zahra Faraj, Murooj Mohammed Sattar, Rawan Thaer Jumaa, Alaa S. Jameel , Faris Hassan Taha , Taha Almulaisi
Hybrid Meta-Heuristic Optimization and Machine Learning Approach for Power Quality Improvement in Multilevel Inverter-Based Renewable Energy Systems	Faris Hassan Taha , Mais Adnan Mohammed, Hamid Abdulqader Hamad, Muhammed Yarub Adnan , Mohammed Sameer Salih Mahdi, Saadaldeen Rashid Ahmed , Safa Khalid Alwitry, Ali Mustafa, Omer K. Ahmed
Anomaly Detection in Renewable Energy SCADA Systems Using Explainable AI Techniques	Shouket A. Ahmed, Marwa Raad Bash Agha, Zainab Ali Abbood , Alaa Hasan Salih, Maher Abdulateef Arif , Anas D. Sallibi, Ahmed Majeed Hussein, Sari Khdhaer Mukhlif, Taha Almulaisi
A Systematic Review of Generative Artificial Intelligence for Personalized Storytelling in Early Childhood Education	Maryam Taha, Majid Ali

Title	Author(s)
Comparative Analysis of Governance Influencing Threat Regulations in Political Power Structures	Omar T. ALSAEGH , Rania Mohssen, Batool Nafea Mahmood , Salsal Sadek Kanaan, Karrar Jaafar Kadhim , Faisal Ghazi Faisal, Sinan Raheem Jasim, Ahmed Majeed Hussein, Ali Hamid Abed
Intrusion Behavior Profiling in Smart Grid Infrastructure Using Swin Transformer Architecture	Munther Naif Thiyab, Mohammed Sabah Ali, Najim Abood Hamudi, Adel A Abbas, Zedhan Kareem Hassan , Ahmed Majeed Hussein, Rania Mohssen, Basheer Husamaldeen Alhayaly
Packet Stream Classification in Experimental 6G Networks Using Sparse Convolutional Neural Networks	Aymen Dheyaa Khaleel, Mohammed Thakir Mahmood , Wasal S AL-Bash AL-Azzawi, Ali Majid Mustafa, Sundus Ahmed Mohamed, Adyar Kamel Nghimesh, Ahmed Majeed Hussein
Imbalance-Aware Credit Default Risk Estimation for Peer-to-Peer Digital Lending Platforms via Dual-Level XGBoost Optimization with Focal Loss and Explainable AI	Talib Abdulhadi Ahmed, Ali Shihab Ahmed, Mohammed Abd Ahmed, Salsal Sadek Kanaan, Samir Shalal Farhan, Faez Hlail Srayyih, Khalid Rokan Awad, Muhannad Khamis Abed, Adil M. Salman
Smart Pricing Vulnerabilities-Based Demand Forecasting in Intelligent Power Distribution Systems	Rangin Sabah Hasan, Mohammed Shahooth Hamadi, Zakia Abdalnmnem Qoja, Thamer Saad Badr, Saif Amir Talib, Sinan Raheem Jasim, Khalid Rokan Awad, Ahmed.F. Salih, Ibrahim Khalil Ibrahim
Detecting Deception In Legal Contracts Using NLP: A Case Study On Marriage Disclosure Laws	Ali Anwer Ismael, Jinan Makram Ahmed, Israa Zeidan Khalaf, Shamil Abdulsattar Jali, Ali Zaidan Yousif, Sarab Hamid Hayder, Ahmed Kari Hossam, Noor Abdullah Luaibi
Leveraging Artificial Intelligence in International Legal Regulation to Predict Climate Change and Its Impact on Food Security	Majida Ali Mala Sadiqi, Ahmed Abdullah Al-Madi, Shahrbar Abdulqader Mahmood, Hiya Emaduldeen Saeed, Ishraq Abdul-Sattar Mahmood, Dina Waleed Hameed, Jalal Jabbar Aleiwi Al-Majidi, Qutaiba Nazar Jasim
Can Human Preference Redefine AI Testing? A Side- by-Side Evaluation Platform for Large Language Models	Yaprak Aslan, Asiye Kaymak, Ebrar Sena Mangan, Ömer Faruk Selçuk, MUHAMMET BAYKARA
Integrating Large Language Models into Cybersecurity: Prompt-Based Code Analysis	Emre Akkaya, Yusuf Mutlu, Hakan Dalkılıç
Dynamic Ambiguity-Weighted Label Distribution Learning for Lung Nodule Malignancy Score Estimation from CT Images	Yagmur Konuksever, Elif Soya, Ozkan Doganay, Zuleyha Akusta Dagdeviren
Predicting Employee Attrition Using Machine Learning Techniques to Retain Talent	Amer Jubair Rashid, Noor Abdulrazaq Hussen, Nihad Mahmoud Salal, Nahla Qassim Mohammed, Siham Kamel Mohammed, Amin Jawad Khudhair AL_Nidawi, Ahmed Majeed Ghareeb, Wesam Ali Husien, Ali Saad Assaad
Adaptive Multi-UAV Swarm Coordination for Disaster Relief Operations Using Dueling Deep Q-Networks with Prioritised Experience Replay	Yousif Hardan Sulaiman, Hind Wadoud Farman, Samir Shalal Farhan, Maryam Thamer Khaleel, Taqiya Hassan Issa, Khalid Rokan Awad, Mostafa Abdulsalam Alhayaly, Ahmed Abdulsalam Alhayaly, Mohammed Abdulsalam Alhayaly
AI-Powered Feedback System for Improving English Writing Skills	Sanger Lateef Omar , Sheelan Shakir Kadir , Istabrq Noori Mahmood, Rafal Waleed Khalid, Zahraa Qahtan Mohamed Salih, Samara Ahmed Muhammad, Fatima Kamel Aref, Azar Adil Miro
MLA-Net: A Multimodal Machine Learning Framework for Early Cancer Detection, Subtype Classification, and Personalized Oncology	Duha Husein Mohamed Jawad, Maha Zuhair Ahmed, Mohammed F. Aljawad, Sajjad Ghalib Ibrahim, Kazem Abd Shahtool, Marwa K. Farhan, Alhasan Salih Ibrahim, Hadeel Hossam El-Din Ahmed, Diaa Fawzi Hassan

Title	Author(s)
Robust Intrusion Detection Using Machine Learning Techniques for Improved Network Security	Mohanad Mohammed Rashid, Mohammed Thakir Mahmood , Suhaib Wissam Maddah, Shahad Fouad Abdulhussein, Sabah Hamoodi Nasef , Ahmed Nadim Ghaffori, Sana Isam Tayeb , Iqbal Abdulbaqi Muhammad
Study Using Machine Learning Model and Simulation Technique to Optimise Type Two Diabetes Risk Assessment	Ali Jbaeer Dawood, Ahmed Hisham Selman, Susan Fawzi Khadhem Al-sudani , Muhannad Ali Hussein Al-Jalusi, Zain Knaj, Ali Abdul Jabbar Rahim, Mohanad Mohammed Rashid, Sameer Algburi, Basheer Husamaldeen Alhayaly
Machine Learning in Robotic-Assisted Surgery: A Systematic Review and Multi-Task Intelligence Framework	Mohammed Thakir Mahmood , Mohammed Abdul Malek Al Saadi, Mohammed Hussein Qasim, Salah Mahdi Saleh Alkhafaji, Mustafa Aqeel Basil , Ahmed Sedeeq Baker , Saadaldeen Rashid Ahmed
The Influence of Human-Generated Prompts on Generative AI Bias and Its Impact on User Decision-Making	Afifah Syahza Putri, Nadhifa Azka Khairani, Neysa Sabrina, Mahaning Wijaya
Enhancing Cryptographic Pseudo-Random Number Generation with Generative Adversarial Networks and Post-Processing Techniques	Hasan Alparslan Fidan, Gökhan Dalkılıç
Why Data Structure Matters for Quantum Machine Learning in Healthcare?	Tevfik Metin, Atakan Yılmaz, Enes Furkan Kaya, Emine Gülmez, MUHAMMET BAYKARA
Autoencoder-Based 3D Point Cloud Classification of Roman Architecture under Data Scarcity	Martin Schorrardt, Rahul Ramakrishnan, Michael Breuß, Dominik Lengyel
A Decentralised Multi-Agent Reinforcement Learning Framework for Fault-Tolerant Swarm Coordination Under Partial Observability	Rana Hassam Ahmed, Meher Sultana, Muhammad Imran, Naseer Ahmad, Muhammad Danish Rasheed
Computer Use Beyond Clicks	Kağan Arıbaş, Nisa Apaydın, Hüseyin Güngör, Süreyya Demirtaş, MUHAMMET BAYKARA
Botnet Communication Pattern Detection in IoT Environments Using Transformer-Based Autoencoders	Abdulkareem Dawah Abbas , Saad Khalil Al-Qassab, Muayad Hadeed Mohammed , Shihab A. Shawkat, Anmar Flayyih Hasan, Nibras Jasim Mohammed, Ahmed Abdulsalam Alhayaly, Saadaldeen Rashid Ahmed , Yaqub Yusuf Taha
A Machine Learning Plant Disease Detection Model: A Case of Cocoa Plant	Fahim Musa Ssenyonjo
XAI-IDS: An Explainable Deep Learning Framework for Transparent and Trustworthy Intrusion Detection in Medical Internet of Things Networks	Mabaruka Baba Kabir, Badamasi Imam Ya'u, Fatima Zambuk Umar, Adam A. Alli, Musa Wakili Adamu, Yasin Magombe
Artificial Intelligence (AI) – Enhanced Cyber Resilience in Critical Power Infrastructure: A Hybrid Predictive and Reactive Detection Architecture for SCADA/IIoT Environments	Ghiulnar-Yelda Cherim, Cristina-Gabriela Saracin, Octavian-Mihai Ghita, Adrian-Alin Toader
Quantum Artificial Intelligence Architectures and Applications	Remzi Yıldırım, Furkan Sefa Demirci
Optimizing MobileNetV2 for Low-Latency Heart Sound Classification on Resource-Constrained Mobile Devices	Süleyman KENAR, Umut AYDEMİR
Early Stabilization of Model Performance Ranking in CNNs and Optimal Epoch Determination	Emirhan Aydın, ÖZKAN İNİK, Mahir Kaya
Transformer-Based Adaptive Decision Fusion for Non-Paired Multimodal Emotion Recognition	Maryam Kamal Ahmed, Mohamed Aktham Ahmed
A Cognitive-Adaptive Artificial Intelligence Framework for Smart Account Management	Yasameen Ghassan Yaseen, Jagarkhin Abdullah Ali, Firas Farhan Taha, Arkan Mutar Ahmed Hasan, Dhuha Khaleel Ibrahim, Bashar Qasim Tuaib, Athraa.N. Abd
SLIS: An Integrated AI-Driven Smart Library Intelligence System Using RFID, BERT, LSTM, and CNN for Automated Circulation, Personalized Recommendation, and Predictive Collection Management	Sinan Abdullah Harjan, Hossam Alaa Al-Din Abdulrazzaq, Arkan Mutar Ahmed Hasan, Faisal Ghazi Faisal, Ibrahim Khalil Ibrahim, Wisam H. Ali Al-Anezi, Saadaldeen Rashid Ahmed , Faisal Ghaniwi Jamar, Najat Kamel Zghair

Title	Author(s)
AI-based Judicial Decision Analysis for Legislative Influence: A Knowledge Graph Approach	Aram Karim Ali , Hanan Ali Ibrahim, Emad Tariq Allawi, Shaker Jameel Sachit, Marwah Khalid Ahmed, Nadheer Mahmoud Ameen Altai
A Deep Autoencoder-Based Intrusion Detection Framework for Enhancing Security in IoT Networks	Shams Salem, Hayri Sever
Does Compression Hurt or Help? A Zero-Shot Benchmark of Five Vision-Language Models on Medicinal Leaf Images	Doğan Dalkıran, Taha Erkan, Kenan Yılmaz, Hüseyin Deniz, Fatma Kara, MUHAMMET BAYKARA
A Hybrid Convolutional Neural Network-Gated Recurrent Unit Model for Fake News Detection on Social Media	Monday Simon, Badamasi Imam Ya'u, Abdussalam Ya'u Gital, Yasin Magombe, Adam A. Alli, Maryam Maishanu
'Convergence Analysis of the Online Heavy Ball Kaczmarz Method under Measurement Noise'	Jiali Bei
A Sandboxed Reproducibility Workbench for Metaheuristic Comparison on Extensible Graph-Theoretical Problems	EGE ERBERK USLU, MIRAY KOL, Zuleyha Akusta Dagdeviren, ORHAN DAGDEVIREN
User Acceptance of AI Photo Editing on Platform X: A Technology Acceptance Model (TAM) Approach.	Mahaning Wijaya, Kresna Andrakusuma, Muhammad Haykal, Maulana Hidayat
Distributed Edge Inference for LLMs and DNNs: An Assessment of Optimization Techniques, Coverage Gaps, and Research Directions	EGE ERBERK USLU, ORHAN DAGDEVIREN
Introducing Ranking Stabilization Epoch for Early Model Selection in Kidney Stone Detection from CT Images	ZELİHA AÇIKGÖZ, ÖZKAN İNİK
Fake News Detection using BERT with Linguistic and Structural Handcrafted Features	Sabah Khalaf Suleeman, Mohamed Aktham Ahmed
The Effect of the Label Smoothing Parameter on the Performance of a Lightweight Convolutional Neural Network-Based Model in Skin Lesion Classification	OKAN GUDER, YASEMIN CETIN-KAYA
Ultimate Parallel CBAM-CNN: A Lightweight Parameter-Efficient Architecture for BloodMNIST Blood Cell Classification	Ali Erdi Candar, ÖZKAN İNİK
Artificial intelligence and the tourist experience in smart destinations in Morocco: role of trust, personalization and digital inclusion	Maha Daraaoui, Hind Benouakrim
A Simulation-Based Evaluation of an IoT and AI Framework for Optimizing Energy Efficiency at the Islamic University in Uganda	Abbas Shuaibu, Badamasi Imam Ya'u, Yasin Magombe, Adam A. Alli, Bwambale Rashid Ramadhan, Mohammed Kabir Dauda
Breast Cancer Classification Using BPNN and RBFNN Based Artificial Intelligence Models	Eyyüp Can CELİK, Oluwaseun OLAWALE-AKINTOLA, Kamil Dimililer
Leakage-Aware Hybrid Machine Learning and Metaheuristic Optimization for Drug Addiction Relapse Prediction Using Iraqi Clinical Records	Nabaa Ali Mahdi, Sarah Saadoon Jasim, Ammar Yahya Daeef
An Explainable Fuzzy Decision-Support Framework for Preliminary Dermatological Risk Stratification Based on ABCDE Skin Lesion Criteria	Fatemeh Mirekhtiary, Seren Başaran, Serap Maden
A Comparative Analysis of Logistic Regression and K-Nearest Neighbors for Multi-Class Health Risk Prediction Using Wearable Device Data	Houssam Mohamed, Kamil Dimililer
IoT and AI-Based Energy Management in University Campuses: A Review	Abbas Shuaibu, Badamasi Imam Ya'u, Yasin Magombe, Bwambale Rashid Ramadhan, Adam A. Alli, Abubakar Umar
Deep Learning Framework for ECG-Based Coronary Artery Disease (Ischemia) Detection in Primary Care	Vihara Ching, Thisal Fernando, Ayesha Shrinath, Ravindu Karunaratne, Thilini Jayalath, Hansi De Silva
QLoRA Fine-Tuning and Retrieval-Augmented Generation for Turkish Medical Question Answering: An Evaluation of Corpus Mismatch and Clinical Safety	Enes Eren SUZGEN, Muhammet Emin SAHİN, Mehmet BAKIR, Cagri ARISOY, Esra GUNGOR ULUTAS, Recep Batuhan GUNAY, Gulbahar YILDIZ, Hasan ULUTAS
A Multimodal Data Fusion Approach for Early Mental Health Risk Detection in College Students Using Logistic Regression and Random Forest	Pinar OZTURK, Oluwaseun OLAWALE-AKINTOLA, Kamil Dimililer

Title	Author(s)
A Comparative Analysis of Machine Learning Algorithms for Diabetes Prediction using Artificial Health Indicators	Bolarinwa Saheed TUNDE, Pinar OZTURK, Nihan Ozoglu, Kamil Dimililer
CNN Ranking Analysis Framework for Selecting Partial Training Epoch in NAS	Nurullah Öztürk, ÖZKAN İNİK, Ali AKDAĞ
Machine Learning–Driven Identification of Optimal Manufacturing Process Chains for Individualized Microsystems: A Random Forest Approach with Integrated Knowledge Base	Faruk Civelek
Multi-Sphere SVDD for Vanilla Autoencoder: A Process-Control View on Granularity	Cecil Joseph, Martin T. Schorrardt, Michael Breuß
A Zero-Knowledge Proof-Based Pool Architecture for Privacy-Preserving Digital Asset Transfers Using Social Identity	Vedat COSKUN, Sertac ANADOLLU, Busra OZDENIZCI KOSE
A Cloud-Native and Multi-Tenant Device Management Architecture for Android POS Ecosystems	Busra OZDENIZCI KOSE, Semih DALGIC, Vedat COSKUN, Sedat MARANGOZ
A Secure Fiscal Memory Architecture for Next-Generation POS Devices	Busra OZDENIZCI KOSE, Murat CANDAN, Vedat COSKUN, Murat YALCIN
GPU-Parallel Binary Tree Token Merging for Efficient Large Language Model Inference	Ibrahim Taha ŞANLI, Ali AKDAĞ
Statistical-Based Design Optimization of a Permanent Magnet Synchronous Servo Steering Actuator for an Autonomous Vehicle	Sami ARSLAN, Mustafa Özsoy, Lütfi ULUSOY
Classification of Breast Cancer Histopathology Images with Hybrid Deep Learning Architecture Based on Local Tissue and Global Context Fusion	Aysegul OZKAN-TEPE, Mahir Kaya
An Empirical Study on Digital Intelligence Capability, Artificial Intelligence Adoption, and Sustainable Competitive Advantage of Enterprises in Emerging Economies	Naijiao Li, Li Li, Mingxue Chen
Optoelectronic Sensor Fusion and AI-Based Visual Measurement for High-Precision Industrial Inspection	Yuting Pan
Dynamic Margin Expansion for Object Detection in Adverse Weather Across Different Object Types	Mert Can Yücedağ, Muhammed Furkan Alkan, Nuhser Atala, MUHAMMET BAYKARA
RAG-Based Knowledge Retrieval Architecture for Medical Web Platforms	Bara Fedallah, ÖZKAN İNİK
Deep Learning-Based Blood Cell Classification: A Comparison of the ResNet50, EfficientNetB0, and MobileNetV2 Models	Nurhayat Doğan, ÖZKAN İNİK
Multi-Label Emotion Classification Based on Plutchik’s Wheel of Emotions	Feray Erdal, Hayri Sever, Sait Can YÜCEBAŞ
Porosity Analysis of PA6/CA Nanofiber Membranes for Filtration Applications: A Comparative Study of Experimental and Image Processing-Based Automated Image Segmentation Methods	İsmail TİYEK, Ömer ÖNAL, Mehmet Baran KALIN, Mustafa YAZICI, ÖZKAN İNİK, Nesrin KORKMAZ
Instrumentation-Aware Bearing Fault Diagnosis and Severity Assessment Using Envelope Spectrum Features and Heterogeneous Stacking Ensemble Learning	Zeynep Sude Yıldız, Kürşat İnce, Mustafa Özsoy
Source-Code-Aware RAG for Autonomous Technical Documentation Generation	Berkay Sabuncu, Said Hamza Turan, Muhammed Şahver Değer, Oğuz Ayaz, MUHAMMET BAYKARA
A Novel LLM-Generated Turkish Spam Email Dataset for Cybersecurity Research and Comparative Evaluation of BERTurk and Machine Learning Algorithms	Emine EROL, ÖZKAN İNİK
Corporate Case Study: Evaluation of ML and LLM-Based Approaches	ERVA ALP, BÜŞRA TURAL, ZEYNEP DESTAN
Embodied AI Framework for Self-Adaptive Decision Reliability in Autonomous Engineering Environments	Sayor Aaron, Ashif Newaz, SAJJAT HOSSAIN ABIR, Md. Mushfiqur Rahman, Nazmul Ahsan, Md. Monir Hossain
A Rank-Stability and Regret Analysis Framework for Early Lightweight CNN Architecture Selection on MedMNIST Medical Image Classification Tasks	Ali Erdi Candar, ÖZKAN İNİK
An AI-Driven Workforce-Aware Framework for Emergency Admission and Delay Prediction in NHS Emergency Care	Saieef Sarower SUNNY, Fahimeh Jafari, Emefa AMOAKO

Title	Author(s)
A Comparative Analysis of Machine Translation Tools for Technical and UI Texts	Yusuf Afsar, Talha Eren Bilikci, Ramazan Aker, Mustafa Calbak, Semsettin Arslan, MUHAMMET BAYKARA
Uncertainty Quantification for Robotic Visual Perception: A Focused Review	Arya Saboury, Kamil Dimililer
AI-Enabled Personalised Storytelling for Autism: A Data-Driven Longitudinal Study of Behavioural Outcomes	Sami Samiee, Amir Salar Sharifi, Fahimeh Jafari, Talha Ijaz, Fatemeh Fozveh, Rajan Gaihre, Samaneh Azad, Puspita Goswami
Convolutional Neural Networks for Skin Disease Analysis and Treatment Decision Support System	Kerem Selçuk, İbrahim Taşkıran, Mhd Hadi Said Alkaddour , Aybüke Türk , MUHAMMET BAYKARA
Explainable AI-Driven Cryptocurrency Forecasting Framework for Decentralized Exchange Markets	Darya Harbi Ibrahim , Wesam Ali Husien, Abdulrazzaq Jebur Abed , Sara Kahtan Dawood , Sama Falah Abdulkarim, Muhannad Khalifa Obed, Khalid Rokan Awad, Sinan Abdullah Harjan, Sameer Algburi
An Interpretable XGBoost Framework for Salary Prediction and Education Impact Analysis	Sirvan Aminzadeh , Karam Sabri Hamis, Husamulddin Sabah Azeez Alfaisali, Thamer Kadhim Abdul-Ridha, Muhamad Kashish Eali, Mahmood Hussein Ali , Islam Mohamed Mahmood, Muhannad Khalifa Obed, Sameer Algburi
An Intelligent Multi-Modal Ensemble Framework for Financial Distress Prediction	Ali Usama Al-Hayaly , Karwan Ismael Abdulrahman, Adel Kitab Nassif, Zainab Mustafa Ahmed , Mohamed Ibrahim Khalaf, Sarah Hameed Mohammed, Faez Hlail Srayyih, Faisal Ghazi Faisal, Sameer Algburi
Data-Driven Power Prediction of a Holonomic Mobile Robot Using Trajectory and Control Data	Nihan Ozoglu, Kamil Dimililer
KG-ESG: Explainable Real-Time ESG News Intelligence with Knowledge Graphs and GraphRAG	Omar Mohmmmed Hassan NASSAR, Fahimeh Jafari, David KING
A Machine Learning Framework for Constitutional Delay Prediction and Governance Analytics	Ali Anwer Ismael, Nian Abdulla Mohammed, Maryam H. Ali, Faiez Thanoon Jaseem, Ali Musa Hussein, Mayada Ahmed Hanoon, Sameer Algburi
SplitNN-FL: A Privacy-Preserving Hybrid Framework for Distributed Medical Diagnosis	Hussein Mansour, Ahmed Mohammed Khairi Khairi, Thamer Sadi Ali, Afrah.Mahdi Hadi, Adnan Hassan , Mohammed Abdulsalam Alhayaly, Ahmed Hisham Selman, Susan Fawzi Khadhem Al-sudani
MARS: A Machine Learning-Based Flight Condition Recognition and Maneuver Reporting Framework for Helicopter Predictive Maintenance	Ibrahim Bugra SAN, Omer Hasan GULSOY, Serdar SOLAK, Onur OKUMUS
Human Engagement and Multimedia Content: A Predictive Study Based on Self-Reported Affective and Experiential Variables	Antonio Di Tecco, Nambobi Mutwalibi, Chongomweru Halimu
Next-Generation Renewable Electricity Market Design Using Hybrid Resilience Optimization	Abdullah Ali Khlaif, Mohsen Ali Arabi, Maryam Bahaa El-Din Babat , Ohood Waleed Abdulrahman Algareh, Dania A. Sadoon, Faisal Ghazi Faisal, Ahmed.F. Salih, Sinan Raheem Jasim, Mostafa Abdulsalam Alhayaly
Hybrid CNN-BiLSTM approach for Deepfake Voice Detection	Ibrahim Missaoui, Mohamed Hamed, Zied Lachiri
Multi-Class Author Recognition for Turkish Texts Using Transformer-Based Large Language Models and Hybrid Deep Learning Approaches	Etkin Ekin Karadağ, Pelin Canbay, Hayri Sever
Static Analysis of Vulnerabilities That AI-Based Code Assistants May Introduce	Mehmet Ali Mengüllüoğlu, Zeynep Nisanur Tatar, Yusuf Maral, Harun Ulaş, MUHAMMET BAYKARA
Multi-Agent OSINT System: Strategic Planning and Graph-Based Verification	Berkay Hasret, Ali Türk, Dilan Çiçek, Hasan Zekeriya Şimşek, MUHAMMET BAYKARA
Artificial Intelligence in Smart Cities: Politics of Urban Intelligence	Lamyaa Moulad
Kolmogorov-Arnold Networks for Elephant and Mice Flow Management in Software-Defined Networks	Ahmet Tamer, Ümit Demir, Emirhan Gündoğdu, Mert Kaan Kindar, Ahmed Eltayeb Mohamed Eltayeb, MUHAMMET BAYKARA
Loomina: Autonomous Evaluation Architecture In LLM-Based User Interface Generation	Volkan Bekçili, Salih Eren Çavuşoğlu, Berzan Baran, Fatih Karadağ, Salih Dursun, MUHAMMET BAYKARA

Title	Author(s)
Explainable Pediatric Lung Capacity Prediction Using Category Embeddings and Mixture Density Networks	Burçak Asal
A Temporal Convolutional Deep Learning Framework for Robust Physiological Signal Restoration in Rural Telehealth Systems	Sana Isam Tayeb , Taiba Mohammed Jalal, Anas Khalid Ibraheem, Ghaith Zeyad Azeez, Samaher Khalil Mohammed, Susan Fawzi Khadhem Al-sudani , Waddah Shash, Ali Abdul Jabbar Rahim, Ahmed Hisham Selman
Benchmarking Large Language Models for Java Code Smell Detection	Erfan Baghchehdan Ghadimi, Durmuş Özkan Şahin, Sercan Demirci, Doğan Yıldız
LLM-Supported SRS Quality Assessment and IEEE-Compliant Improvement System	ERDEM EREN, ARDA YEŞİLÇAYIR, MUHAMMET BAYKARA
Evaluation of Synthetic Panoramic Images by Dental Professionals, Students and AI models	Merter Hami KARACAN, Sait Can YÜCEBAŞ
Decentralized Machine Learning in Healthcare: Federated Learning for IoMT and Beyond	Fahadi Mugigayi, Hacer Karacan, Adam A. Alli, Abdhine Ben Ali, Lenear Amagove Mwondi
Cyber Resilience in Africa's Industrial IoT: A Data-Driven Assessment of Critical Infrastructure Vulnerabilities in Sub-Saharan Economies	Abdhine Ben Ali, Fahadi Mugigayi
Mapping the Research Landscape of Large Language Models in Network Intrusion Detection	Recep Arslan, Turgut Özseven
Comparative Evaluation of ViT, DeiT and ConViT Models for Skin Lesion Classification on the ISIC2019 Dataset Under Identical Fine-Tuning Conditions	Emirhan Aydın, Mahir Kaya
Comparative Analysis of Vision Transformer Models for Diabetic Retinopathy Grading	Serdar Asarkaya, Mahir Kaya

ISADES2026 Technical Program

Time (GMT+3)	Friday, June 19, 2026		
9:00 AM - 10:30 AM	Opening Ceremony, Welcome Remarks and Protocol Speeches		
10:30 AM - 11:00 AM	Coffee Break		
11:00 AM - 12:00 PM	Keynote Speaker Dr. Mayur Kumar Chhipa		
12:00 PM - 12:30 PM	Group Photo		
12:30 PM - 1:30 PM	Lunch		
1:30 PM - 3:30 PM	SESSION 1.1 Chair: Adam Alli		
	In-Person - HALL 1		
1:30 PM - 3:30 PM	VSESSION 1.1 Chair: Muhammed Çelik	VSESSION 1.2 Chair: Abdulkadr Taufik	VSESSION 1.3 Chair: Imaam Badamas
	Virtual - VROOM1	Virtual - VROOM2	Virtual - VROOM3
3:30 PM - 4:00 PM	Coffee Break		
4:00 PM - 6:00 PM	VSESSION 2.1 Chair: Muhammed Çelik	VSESSION 2.2 Chair: Abdulkadr Taufik	VSESSION 2.3 Chair: Imaam Badamas
	Virtual - VROOM1	Virtual - VROOM2	Virtual - VROOM3

Time (GMT+3)	Saturday, June 20, 2026		
9:00 AM - 10:30 AM	VSESSION 3.1 Chair: Muhammed Çelik	VSESSION 3.2 Chair: Abdal Kasule	VSESSION 3.3 Chair: Kalinaki Kassim
	Virtual - VROOM1	Virtual - VROOM2	Virtual - VROOM3
10:30 AM - 11:00 AM	Coffee Break		
11:00 AM - 12:30 PM	VSESSION 4.1 Chair: Muhammed Çelik	VSESSION 4.2 Chair: Abdal Kasule	VSESSION 4.3 Chair: Kalinaki Kassim
	Virtual - VROOM1	Virtual - VROOM2	Virtual - VROOM3
12:30 PM - 1:30 PM	Lunch		
1:30 PM - 3:30 PM	VSESSION 5.1 Chair: Muhammed Çelik	VSESSION 5.2 Chair: Abdal Kasule	VSESSION 5.3 Chair: Kalinaki Kassim
	Virtual - VROOM1	Virtual - VROOM2	Virtual - VROOM3
3:30 PM - 4:00 PM	Coffee Break		
4:00 PM - 6:00 PM	VSESSION 6.1 Chair: Muhammed Çelik	VSESSION 6.2 Chair: Abdulkadr Taufik	VSESSION 6.3 Chair: Imaam Badamas
	Virtual - VROOM1	Virtual - VROOM2	Virtual - VROOM3
6:00 PM - 6:30 PM	Coffee Break		
6:30 PM - 8:00 PM	VSESSION 7.1 Chair: Muhammed Çelik		
	Virtual - VROOM1		

Opening Ceremony	
Date: Friday, June 19, 2026	Time (GMT+3): 9:00 AM - 10:30 AM
Welcome Address by Conference Chair Protocol Speeches Introduction of the Conference	

KEYNOTE SPEAKER	HALL 1
Date: Friday, June 19, 2026	Time (GMT+3): 9:00 AM - 10:30 AM
<i>AI-Driven Photonic Integrated Circuits for Next-Generation Data Centers and 6G Communications</i> Dr. Mayur Kumar Chhipa <i>ISBAT University, Kampala, Uganda, East Africa</i> <i>Vice Chair, IEEE Uganda Section</i> <i>Counselor, IEEE ISBAT University Student Branch</i>	

SESSION 1.1	HALL: HALL 1
Date: Friday, June 19, 2026	Time (GMT+3): 1:30 PM - 3:30 PM
Chair: Adam Alli	Presentation Format: IN-PERSON
120 - A Machine Learning Plant Disease Detection Model: A Case of Cocoa Plant	Fahim Musa Ssenyonjo
121 - XAI-IDS: An Explainable Deep Learning Framework for Transparent and Trustworthy Intrusion Detection in Medical Internet of Things Networks	Mabaruka Baba Kabir, Badamasi Imam Ya'u , Fatima Zambuk Umar, Adam A. Alli, Musa Wakili Adamu, Yasin Magombe
144 - A Hybrid Convolutional Neural Network-Gated Recurrent Unit Model for Fake News Detection on Social Media	Monday Simon, Badamasi Imam Ya'u , Abdussalam Ya'u Gital, Yasin Magombe, Adam A. Alli, Maryam Maishanu
158 - A Simulation-Based Evaluation of an IoT and AI Framework for Optimizing Energy Efficiency at the Islamic University in Uganda	Abbas Shuaibu , Badamasi Imam Ya'u, Yasin Magombe, Adam A. Alli, Bwambale Rashid Ramadhan, Mohammed Kabir Dauda
165 - IoT and AI-Based Energy Management in University Campuses: A Review	Abbas Shuaibu , Badamasi Imam Ya'u, Yasin Magombe, Bwambale Rashid Ramadhan, Adam A. Alli, Abubakar Umar
197 - Porosity Analysis of PA6/CA Nanofiber Membranes for Filtration Applications: A Comparative Study of Experimental and Image Processing-Based Automated Image Segmentation Methods	İsmail TİYEK, Ömer ÖNAL , Mehmet Baran KALIN, Mustafa YAZICI, ÖZKAN İNİK, Nesrin KORKMAZ
221 - Human Engagement and Multimedia Content: A Predictive Study Based on Self-Reported Affective and Experiential Variables	Antonio Di Tecco, Nambobi Mutwalibi, Chongomweru Halimu

VSESSION 1.1	HALL: VROOM 1
Date: Friday, June 19, 2026	Time (GMT+3): 1:30 PM - 3:30 PM
Chair: Muhammed Çelik	Presentation Format: VIRTUAL
54 - Blockchain-Enabled Cybersecurity for Renewable Energy Systems: Architecture and Performance Evaluation	Abadal-Salam T. Hussain , Atyaf Hossam Al-Din Ahmed, Mohammed Mosleh Salman, Aaraf Harith Abdul Wahhab, Ahmed Ghalib Ibraheem, Ahmed Majeed Hussein, Fahad Adham Abdulsalam, Taha Almulaisi, Taha Mahmoud Al-Naimi
56 - Securing IoT-Enabled Renewable Energy Infrastructures Using Advanced Intrusion Detection Systems	Abadal-Salam T. Hussain , Ahlam Sabbar Uraibi, Reem Ziad Shoulek , Saif Hasan Mohammed, Wed Laith Khalil, Qasim Shakr Mahmood AL.FALAH, Taiba Mohammed Jalal, Marwa M. Ismaeel, Taha Almulaisi
60 - Adversarial Machine Learning Attacks and Defense Mechanisms in Renewable Energy System	Marwa M. Ismaeel, Mohanad Mohammed Rashid, Kawakib Sabri Hadith, Basil Mohammed Mohi Aldeen , Ali Adil Razzaq, Safa Khalid Alwitry, Ibrahim Khalil Ibrahim, Ahmed Dheyaa Radhi , Faris Hassan Taha
61 - Cybersecurity Risk Assessment of Smart Renewable Grids Using Data Analytics and Simulation	Nissan Sabbar Thmail , Sinan Q. Salih , Ahmed Sattar Aboud, Faez Hlail Srayyih, Faisal Ghazi Faisal, Rana Qasim Ameen, Safa Khalid Alwitry, Ahmed Dheyaa Radhi , Faris Hassan Taha
132 - Transformer-Based Adaptive Decision Fusion for Non-Paired Multimodal Emotion Recognition	Maryam Kamal Ahmed , Mohamed Aktham Ahmed
58 - A Hybrid Approach for Road Damage Detection and Precise Boundary Segmentation Using YOLOv12 and Segment Anything Model (SAM)	Maryam Kareem Ali , Armaneesa Naaman Hasoon
17 - Automated Periodontitis Segmentation in Dental Images Using Dual-Source Training, UNet++, and a Composite Boundary-Topology Loss	Sarmad Maqsood, Toimur Hasan, Ali Amini, Muhammad Abdullah Sarwar , Gabrielé Birbalaitė, Albertas Kriaučiūnas, Rytis Maskeliūnas
93 - Adaptive Multi-UAV Swarm Coordination for Disaster Relief Operations Using Dueling Deep Q-Networks with Prioritised Experience Replay	Yousif Hardan Sulaiman , Hind Wadoud Farman, Samir Shalal Farhan, Maryam Thamer Khaleel, Taqiya Hassan Issa, Khalid Rokan Awad, Mostafa Abdulsalam Alhayaly, Ahmed Abdulsalam Alhayaly, Mohammed Abdulsalam Alhayaly

VSESSION 1.2	HALL: VROOM 2
Date: Friday, June 19, 2026	Time (GMT+3): 1:30 PM - 3:30 PM
Chair: Abdulkadr Taufik	Presentation Format: VIRTUAL
45 - A Comparative Analysis of Open-Source Recommender System Libraries	Aslı Altıparmak , Zeynep Batmaz
188 - Classification of Breast Cancer Histopathology Images with Hybrid Deep Learning Architecture Based on Local Tissue and Global Context Fusion	Aysegul OZKAN-TEPE , Mahir KAYA
147 - A Sandboxed Reproducibility Workbench for Metaheuristic Comparison on Extensible Graph-Theoretical Problems	EGE ERBERK USLU, MIRAY KOL , Zuleyha Akusta Dagdeviren, ORHAN DAGDEVIREN
149 - Distributed Edge Inference for LLMs and DNNs: An Assessment of Optimization Techniques, Coverage Gaps, and Research Directions	EGE ERBERK USLU , ORHAN DAGDEVIREN
48 - GranCATProtoPool and GranCATEdgeFormer: Efficient Prototype-Based and Edge-Aware Architectures for 3D Point Cloud Classification	Furkan Sefa Demirci , Remzi Yıldırım
123 - Quantum Artificial Intelligence Architectures and Applications	Remzi Yıldırım, Furkan Sefa Demirci
150 - Introducing Ranking Stabilization Epoch for Early Model Selection in Kidney Stone Detection from CT Images	ZELİHA AÇIKGÖZ , ÖZKAN İNİK
201 - Corporate Case Study: Evaluation of ML and LLM-Based Approaches	ERVA ALP, BÜŞRA TURAL, ZEYNEP DESTAN

VSESSION 1.3	HALL: VROOM 3
Date: Friday, June 19, 2026	Time (GMT+3): 1:30 PM - 3:30 PM
Chair: Imaam Badamas	Presentation Format: VIRTUAL
22 - A Techno-Economic Approach for Optimizing the Tilt Angle and Orientation of Grid-Connected Photovoltaic Systems	Stoyan Bozhkov, Ivelina Metodieva , Ivelina Takeva-Beberova
181 - A Cloud-Native and Multi-Tenant Device Management Architecture for Android POS Ecosystems	Busra OZDENIZCI KOSE, Semih DALGIC, Vedat COSKUN , Sedat MARANGOZ
182 - A Secure Fiscal Memory Architecture for Next-Generation POS Devices	Busra OZDENIZCI KOSE, Murat CANDAN, Vedat COSKUN , Murat YALCIN
46 - Synergistic Defense: Improving Accuracy through Automated Deception and Profiling in Networks	Rachel John Robinson
134 - SLIS: An Integrated AI-Driven Smart Library Intelligence System Using RFID, BERT, LSTM, and CNN for Automated Circulation, Personalized Recommendation, and Predictive Collection Management	Sinan Abdullah Harjan , Hossam Alaa Al-Din Abdulrazzaq, Arkan Mutar Ahmed Hasan, Faisal Ghazi Faisal, Ibrahim Khalil Ibrahim, Wisam H. Ali Al-Anezi, Saadaldeen Rashid Ahmed , Faisal Ghaniwi Jamar, Najat Kamel Zghair
70 - Comparative Analysis of Governance Influencing Threat Regulations in Political Power Structures	Omar T. ALSAEGH , Rania Mohssen, Batool Nafea Mahmood , Salsal Sadek Kanaan, Karrar Jaafar Kadhim , Faisal Ghazi Faisal, Sinan Raheem Jasim , Ahmed Majeed Hussein, Ali Hamid Abed
52 - A Hybrid CNN-LSTM Intrusion Detection Framework for Multi-Attack Cyber Threat Detection in Distributed Renewable Energy SCADA Systems	Shouket A. Ahmed , Noor Haider Shakir, Salsal Sadek Kanaan, Ghada Saad Raheem , Safa'a Hamid Turkey Al Rashid , Mohammed E. Seno , Safa Khalid Alwitry, Ahmed Dheyaa Radhi , Sarah O. Al-Tahir
65 - Anomaly Detection in Renewable Energy SCADA Systems Using Explainable AI Techniques	Shouket A. Ahmed , Marwa Raad Bash Agha, Zainab Ali Abbood , Alaa Hasan Salih, Maher Abdulateef Arif , Anas D. Sallibi, Ahmed Majeed Hussein, Sari Khdhaer Mukhlif, Taha Almulaishi

VSESSION 2.1	HALL: VROOM 1
Date: Friday, June 19, 2026	Time (GMT+3): 4:00 PM - 6:00 PM
Chair: Muhammed Çelik	Presentation Format: VIRTUAL
62 - Federated Learning-Based Cybersecurity Framework for Renewable Energy Networks	Faris Hassan Taha , Mohammed Moayad Ahmed, Mohammed Abd Ahmed, Jalal Jabbar Aleiwi Al-Majidi, Ahmed Abbas Faraj Noor Arbic , Mohammed Mansoor Nafea, Safa Khalid Alwitry, Sinan Q. Salih , Ahmed Dheyaa Radhi
63 - An Intelligent Deep Learning Framework for Cyberattack Detection and Resilience Enhancement in Smart Renewable Energy Grids	Ali Mustafa, Huda Safi Jari, Nada Saddam Jebur, Ali Abdul Zahra Faraj, Murooj Mohammed Sattar, Rawan Thaer Jumaa, Alaa S. Jameel , Faris Hassan Taha , Taha Almulaishi
11 - Enhancing Consumer Decision-Making via Experimental Data-Driven Functional Display in Outdoor Apparel Marketing	Hongru Hou , Xiaohui Li
12 - A Knowledge Graph-Based Recommendation System for Sustainable Material Selection in Eco-Friendly Product Design	Muran Huang
177 - Machine Learning-Driven Identification of Optimal Manufacturing Process Chains for Individualized Microsystems: A Random Forest Approach with Integrated Knowledge Base	Faruk Civelek
13 - A Multi-Criteria Evaluation Model of Emotional Experience in Ceramic Intangible Cultural Heritage Tourism	Meiyue Liu
14 - Modeling the Impact of Multisensory Stimulation on Human Emotional and Cognitive Responses under an Artificial Intelligence Framework	Jin Wu
15 - Numerical Study on Mechanical Behavior and Fatigue Life of Flexible Electronic Systems Under High-Curvature Cyclic Bending	Yalin Li
91 - Predicting Employee Attrition Using Machine Learning Techniques to Retain Talent	Amer Jubair Rashid , Noor Abdulrazzaq Hussen, Nihad Mahmoud Salal, Nahla Qassim Mohammed, Siham Kamel Mohammed, Amin Jawad Khudhair AL_Nidawi, Ahmed Majeed Ghareeb, Wesam Ali Husien, Ali Saad Assaad

VSESSION 2.2	HALL: VROOM 2
Date: Friday, June 19, 2026	Time (GMT+3): 4:00 PM - 6:00 PM
Chair: Abdulkadr Taufik	Presentation Format: VIRTUAL
49 - A Cybersecurity Framework for Smart Grid Renewable Energy Systems: Detection, Analysis, and Mitigation	Taha Mahmoud Al-Naimi , Hasnaa F Khalid, Amna Khaled Khalaf, Avan Majid Mohammed, Sabah F. Abdulhussein, Safa Khalid Alwitry, Qutaiba Nazar Jasim, Shouket A. Ahmed , Ahmed Dheyaa Radhi
50 - AI-Driven Intrusion Detection in Renewable Energy Networks: A Smart Grid Security Approach	Sarah O. Al-Tahir, Farah Imad Abdulkarim, Hussam Asper, Abdolkader M. Khaled, Ali Hamid Abed, Sara Hamid Diab, Wisam H. Ali Al-Anezi, Shouket A. Ahmed , Taha Almulaisi
206 - Uncertainty Quantification for Robotic Visual Perception: A Focused Review	Arya Saboury , Kamil Dimililer
131 - Early Stabilization of Model Performance Ranking in CNNs and Optimal Epoch Determination	Emirhan AYDIN , ÖZKAN İNİK, Mahir KAYA
88 - Integrating Large Language Models into Cybersecurity: Prompt-Based Code Analysis	Emre Akkaya, Yusuf Mutlu, Hakan Dalkılıç
154 - Artificial intelligence and the tourist experience in smart destinations in Morocco: role of trust, personalization and digital inclusion	Maha Daraaoui , Hind Benouakrim
67 - A Systematic Review of Generative Artificial Intelligence for Personalized Storytelling in Early Childhood Education	Maryam Taha , Majid Ali

VSESSION 2.3	HALL: VROOM 3
Date: Friday, June 19, 2026	Time (GMT+3): 4:00 PM - 6:00 PM
Chair: Imaam Badamas	Presentation Format: VIRTUAL
24 - Digital Intelligence Transformation and ESG Performance: An AI-Driven Internal Control Evaluation Framework	Mengyuan Xia , Yan Li
18 - Physics-Guided Multi-Stage Gradient Boosting for Battery State of Health Estimation	Mücahit Kutal , Birol Arifoğlu
214 - Data-Driven Power Prediction of a Holonomic Mobile Robot Using Trajectory and Control Data	Nihan Ozoglu , Kamil Dimililer
195 - Deep Learning-Based Blood Cell Classification: A Comparison of the ResNet50, EfficientNetB0, and MobileNetV2 Models	Nurhayat Doğan , ÖZKAN İNİK
152 - The Effect of the Label Smoothing Parameter on the Performance of a Lightweight Convolutional Neural Network-Based Model in Skin Lesion Classification	OKAN GUDER , YASEMIN CETIN-KAYA
26 - Embodied Intelligent Agents for Adaptive Logistics Scheduling in Power Equipment Supply Networks	Chaoxia Gao , Shucheng Qi
16 - Model Training with PEFT Low-Rank Adaptation (LoRA) and Alternative Strategies	ZEYNEP DESTAN, ERVA ALP
226 - Multi-Class Author Recognition for Turkish Texts Using Transformer-Based Large Language Models and Hybrid Deep Learning Approaches	Etkin Ekin Karadağ , Pelin Canbay, Hayri Sever
94 - AI-Powered Feedback System for Improving English Writing Skills	Sanger Lateef Omar , Sheelan Shakir Kadir , Istabrq Noori Mahmood, Rafal Waleed Khalid, Zahraa Qahtan Mohamed Salih, Samara Ahmed Muhammad, Fatima Kamel Aref, Azar Adil Miro

VSESSION 3.1		HALL: VROOM 1
Date: Saturday, June 20, 2026		Time (GMT+3): 9:00 AM - 10:30 AM
Chair: Muhammed Çelik		Presentation Format: VIRTUAL
51 - Cyber Threat Detection in Solar and Wind Energy Systems Using Machine Learning Techniques	Sari Khdaer Mukhlif, Wurood Faris Ahmed, Sabaa Omar Abdullah, Shihab A. Shawkat, Ali Hamid Abed, Wisam H. Ali Al-Anezi, Anmar Balasim Kadhim, Shouket A. Ahmed , Taha Almulaisi	
64 - Hybrid Meta-Heuristic Optimization and Machine Learning Approach for Power Quality Improvement in Multilevel Inverter-Based Renewable Energy Systems	Faris Hassan Taha , Mais Adnan Mohammed, Hamid Abdulqader Hamad, Muhammed Yarub Adnan , Mohammed Sameer Salih Mahdi, Saadaldeen Rashid Ahmed , Safa Khalid Alwitry, Ali Mustafa, Omer K. Ahmed	
153 - Ultimate Parallel CBAM-CNN: A Lightweight Parameter-Efficient Architecture for BloodMNIST Blood Cell Classification	Ali Erdi Candar , ÖZKAN İNİK	
203 - A Rank-Stability and Regret Analysis Framework for Early Lightweight CNN Architecture Selection on MedMNIST Medical Image Classification Tasks	Ali Erdi Candar , ÖZKAN İNİK	
216 - A Machine Learning Framework for Constitutional Delay Prediction and Governance Analytics	Ali Anwer Ismael , Nian Abdulla Mohammed, Maryam H. Ali, Faiez Thanoon Jaseem, Ali Musa Hussein, Mayada Ahmed Hanoon, Sameer Algburi	
136 - AI-based Judicial Decision Analysis for Legislative Influence: A Knowledge Graph Approach	Aram Karim Ali , Hanan Ali Ibrahim, Emad Tariq Allawi, Shaker Jameel Sachit, Marwah Khalid Ahmed, Nadheer Mahmoud Ameen Altai	
VSESSION 3.2		HALL: VROOM 2
Date: Saturday, June 20, 2026		Time (GMT+3): 9:00 AM - 10:30 AM
Chair: Abdal Kasule		Presentation Format: VIRTUAL
8 - Decision-Support AI for Radar Networks with Limited Communication Bandwidth	Ali Berkol , İdil Gökçe Demirtaş, Sadık Önal	
9 - Image-Based Power Quality Disturbance Classification Using a Parameter-Efficient Convolutional Neural Network	Abdullah Aksoy , Enes Yiğit, Mehmet Hakan Demir, Mustafa İnci, Abdullah Çalışkan	
110 - Why Data Structure Matters for Quantum Machine Learning in Healthcare?	Tevfik Metin, Atakan Yılmaz , Enes Furkan Kaya, Emine Gülmez, MUHAMMET BAYKARA	
233 - Explainable Pediatric Lung Capacity Prediction Using Category Embeddings and Mixture Density Networks	Burçak Asal	
228 - Multi-Agent OSINT System: Strategic Planning and Graph-Based Verification	Berkay Hasret , Ali Türk, Dilan Çiçek, Hasan Zekeriya Şimşek, MUHAMMET BAYKARA	
199 - Source-Code-Aware RAG for Autonomous Technical Documentation Generation	Berkay Sabuncu , Said Hamza Turan, Muhammed Şahver Değer, Oğuz Ayaz, MUHAMMET BAYKARA	
VSESSION 3.3		HALL: VROOM 3
Date: Saturday, June 20, 2026		Time (GMT+3): 9:00 AM - 10:30 AM
Chair: Kalinaki Kassim		Presentation Format: VIRTUAL
193 - RAG-Based Knowledge Retrieval Architecture for Medical Web Platforms	Bara Fedallah , ÖZKAN İNİK	
178 - Multi-Sphere SVDD for Vanilla Autoencoder: A Process-Control View on Granularity	Cecil Joseph , Martin T. Schorrardt, Michael Breuß	
172 - A Comparative Analysis of Machine Learning Algorithms for Diabetes Prediction using Artificial Health Indicators	Bolarinwa Saheed TUNDE , Pinar OZTURK, Nihan Ozoglu, Kamil Dimililer	
169 - Deep Learning Framework for ECG-Based Coronary Artery Disease (Ischemia) Detection in Primary Care	Vihara Ching , Thisal Fernando, Ayes Shrinath, Ravindu Karunaratne, Thilini Jayalath, Hansi De Silva	
33 - Systematic Research and Evaluation of Physics-Informed Quantum Machine Learning for Solving High-Dimensional Schrödinger Equations	Weihaio Kong	
211 - Explainable AI-Driven Cryptocurrency Forecasting Framework for Decentralized Exchange Markets	Darya Harbi Ibrahim , Wesam Ali Husien, Abdulrazzaq Jebur Abed , Sara Kahtan Dawood , Sama Falah Abdulkarim, Muhannad Khalifa Obed, Khalid Rokan Awad, Sinan Abdullah Harjan, Sameer Algburi	

VSESSION 4.1		HALL: VROOM 1
Date: Saturday, June 20, 2026		Time (GMT+3): 11:00 AM - 12:30 PM
Chair: Muhammed Çelik		Presentation Format: VIRTUAL
82 - Detecting Deception In Legal Contracts Using NLP: A Case Study On Marriage Disclosure Laws	Ali Anwer Ismael , Jinan Makram Ahmed, Israa Zeidan Khalaf, Shamil Abdulsattar Jali, Ali Zaidan Yousif, Sarab Hamid Hayder, Ahmed Kari Hossam, Noor Abdullah Luaibi	
234 - A Temporal Convolutional Deep Learning Framework for Robust Physiological Signal Restoration in Rural Telehealth Systems	Sana Isam Tayeb , Taiba Mohammed Jalal, Anas Khalid Ibraheem, Ghaith Zeyad Azeez, Samaher Khalil Mohammed, Susan Fawzi Khadhem Al-sudani , Waddah Shash, Ali Abdul Jabbar Rahim, Ahmed Hisham Selman	
140 - Does Compression Hurt or Help? A Zero-Shot Benchmark of Five Vision-Language Models on Medicinal Leaf Images	Doğan Dalkıran, Taha Erkan , Kenan Yılmaz, Hüseyin Deniz, Fatma Kara, MUHAMMET BAYKARA	
190 - Optoelectronic Sensor Fusion and AI-Based Visual Measurement for High-Precision Industrial Inspection	Yuting Pan	
198 - Instrumentation-Aware Bearing Fault Diagnosis and Severity Assessment Using Envelope Spectrum Features and Heterogeneous Stacking Ensemble Learning	Zeynep Sude Yıldız , Kürşat İnce, Mustafa Özsoy	
180 - A Zero-Knowledge Proof-Based Pool Architecture for Privacy-Preserving Digital Asset Transfers Using Social Identity	Vedat COSKUN , Sertac ANADOLLU, Busra OZDENIZCI KOSE	
VSESSION 4.2		HALL: VROOM 2
Date: Saturday, June 20, 2026		Time (GMT+3): 11:00 AM - 12:30 PM
Chair: Abdal Kasule		Presentation Format: VIRTUAL
133 - A Cognitive-Adaptive Artificial Intelligence Framework for Smart Account Management	Yasameen Ghassan Yaseen , Jagarkhin Abdullah Ali, Firas Farhan Taha, Arkan Mutar Ahmed Hasan, Dhuha Khaleel Ibrahim, Bashar Qasim Tuaib, Athraa.N. Abd	
212 - An Interpretable XGBoost Framework for Salary Prediction and Education Impact Analysis	Sirvan Aminzadeh , Karam Sabri Hamis, Husamulddin Sabah Azeez Alfaisali, Thamer Kadhıim Abdul-Ridha, Muhamad Kashish Eali, Mahmood Hussein Ali , Islam Mohamed Mahmood, Muhannad Khalifa Obed, Sameer Algburi	
23 - Human-AI Collaborative Design Decision Framework for Spatial Art	Tingting Zhao , Zhenchuan Liu	
229 - Artificial Intelligence in Smart Cities: Politics of Urban Intelligence	Lamyaa Moulad	
215 - KG-ESG: Explainable Real-Time ESG News Intelligence with Knowledge Graphs and GraphRAG	Omar Mohammed Hassan NASSAR , Fahimeh Jafari, David KING	
148 - User Acceptance of AI Photo Editing on Platform X: A Technology Acceptance Model (TAM) Approach.	Mahaning Wijaya, Kresna Andrakusuma , Muhammad Haykal, Maulana Hidayat	
81 - Smart Pricing Vulnerabilities-Based Demand Forecasting in Intelligent Power Distribution Systems	Rangin Sabah Hasan, Mohammed Shahooth Hamadi, Zakia Abdalnmem Qoja, Thamer Saad Badr, Saif Amir Talib, Sinan Raheem Jasim, Khalid Rokan Awad, Ahmed.F. Salih, Ibrahim Khalil Ibrahim	

VSESSION 4.3		HALL: VROOM 3
Date: Saturday, June 20, 2026		Time (GMT+3): 11:00 AM - 12:30 PM
Chair: Kalinaki Kassim		Presentation Format: VIRTUAL
84 - Leveraging Artificial Intelligence in International Legal Regulation to Predict Climate Change and Its Impact on Food Security	Majida Ali Mala Sadiqi , Ahmed Abdullah Al-Madi, Shahrbar Abdulqader Mahmood, Hiya Emaduldeen Saeed, Ishraq Abdul-Sattar Mahmood, Dina Waleed Hameed, Jalal Jabbar Aleiwi Al-Majidi, Qutaiba Nazar Jasim	
111 - Autoencoder-Based 3D Point Cloud Classification of Roman Architecture under Data Scarcity	Martin Schorrardt , Rahul Ramakrishnan, Michael Breuß, Dominik Lengyel	
151 - Fake News Detection using BERT with Linguistic and Structural Handcrafted Features	Sabah Khalaf Suleeman , Mohamed Aktham Ahmed	
204 - An AI-Driven Workforce-Aware Framework for Emergency Admission and Delay Prediction in NHS Emergency Care	Saieef Sarower SUNNY , Fahimeh Jafari, Emefa AMOAKO	
122 - Artificial Intelligence (AI) – Enhanced Cyber Resilience in Critical Power Infrastructure: A Hybrid Predictive and Reactive Detection Architecture for SCADA/IIoT Environments	Ghiulnar-Yelda Cherim , Cristina-Gabriela Saracin, Octavian-Mihai Ghita, Adrian-Alin Toader	
109 - Enhancing Cryptographic Pseudo-Random Number Generation with Generative Adversarial Networks and Post-Processing Techniques	Hasan Alparslan Fidan , Gökhan Dalkılıç	
VSESSION 5.1		HALL: VROOM 1
Date: Saturday, June 20, 2026		Time (GMT+3): 1:30 PM - 3:30 PM
Chair: Muhammed Çelik		Presentation Format: VIRTUAL
161 - Breast Cancer Classification Using BPNN and RBFNN Based Artificial Intelligence Models	Eyyüp Can CELİK , Oluwaseun OLAWALE-AKINTOLA, Kamil Dimililer	
236 - LLM-Supported SRS Quality Assessment and IEEE-Compliant Improvement System	ERDEM EREN , ARDA YEŞİLÇAYIR, MUHAMMET BAYKARA	
196 - Multi-Label Emotion Classification Based on Plutchik's Wheel of Emotions	Feray Erdal , Hayri Sever, Sait Can YÜCEBAŞ	
245 - Mapping the Research Landscape of Large Language Models in Network Intrusion Detection	Recep Arslan , Turgut Özseven	
232 - Loomina: Autonomous Evaluation Architecture In LLM-Based User Interface Generation	Volkan Bekçili, Salih Eren Çavuşoğlu , Berzan Baran, Fatih Karadağ, Salih Dursun, MUHAMMET BAYKARA	
187 - Statistical-Based Design Optimization of a Permanent Magnet Synchronous Servo Steering Actuator for an Autonomous Vehicle	Sami ARSLAN , Mustafa Özsoy, Lütfi ULUSOY	
126 - Optimizing MobileNetV2 for Low-Latency Heart Sound Classification on Resource-Constrained Mobile Devices	Süleyman KENAR , Umut AYDEMİR	
200 - A Novel LLM-Generated Turkish Spam Email Dataset for Cybersecurity Research and Comparative Evaluation of BERTurk and Machine Learning Algorithms	Emine EROL , ÖZKAN İNİK	

VSESSION 5.2		HALL: VROOM 2
Date: Saturday, June 20, 2026		Time (GMT+3): 1:30 PM - 3:30 PM
Chair: Abdal Kasule		Presentation Format: VIRTUAL
98 - Study Using Machine Learning Model and Simulation Technique to Optimise Type Two Diabetes Risk Assessment	Ali Jbaeer Dawood, Ahmed Hisham Selman , Susan Fawzi Khadhem Al-sudani , Muhannad Ali Hussein Al-Jalusi, Zain Knaj, Ali Abdul Jabbar Rahim, Mohanad Mohammed Rashid, Sameer Algburi, Basheer Husamaldeen Alhayaly	
217 - SplitNN-FL: A Privacy-Preserving Hybrid Framework for Distributed Medical Diagnosis	Hussein Mansour, Ahmed Mohammed Khairi Khairi , Thamer Sadi Ali, Afrah.Mahdi Hadi, Adnan Hassan , Mohammed Abdulsalam Alhayaly, Ahmed Hisham Selman, Susan Fawzi Khadhem Al-sudani	
163 - An Explainable Fuzzy Decision-Support Framework for Preliminary Dermatological Risk Stratification Based on ABCDE Skin Lesion Criteria	Fatemeh Mirekhtiary , Seren Başaran, Serap Maden	
183 - GPU-Parallel Binary Tree Token Merging for Efficient Large Language Model Inference	Ibrahim Taha ŞANLI , Ali AKDAĞ	
145 - 'Convergence Analysis of the Online Heavy Ball Kaczmarz Method under Measurement Noise'	Jiali Bei	
219 - MARS: A Machine Learning-Based Flight Condition Recognition and Maneuver Reporting Framework for Helicopter Predictive Maintenance	Ibrahim Bugra SAN, Omer Hasan GULSOY , Serdar SOLAK, Onur OKUMUS	
171 - A Multimodal Data Fusion Approach for Early Mental Health Risk Detection in College Students Using Logistic Regression and Random Forest	Pinar OZTURK , Oluwaseun OLAWALE-AKINTOLA, Kamil Dimililer	
112 - A Decentralised Multi-Agent Reinforcement Learning Framework for Fault-Tolerant Swarm Coordination Under Partial Observability	Rana Hassam Ahmed , Meher Sultana, Muhammad Imran, Naseer Ahmad, Muhammad Danish Rasheed	
VSESSION 5.3		HALL: VROOM 3
Date: Saturday, June 20, 2026		Time (GMT+3): 1:30 PM - 3:30 PM
Chair: Kalinaki Kassim		Presentation Format: VIRTUAL
207 - AI-Enabled Personalised Storytelling for Autism: A Data-Driven Longitudinal Study of Behavioural Outcomes	Sami Samiee, Amir Salar Sharifi, Fahimeh Jafari, Talha Ijaz , Fatemeh Fozveh, Rajan Gaihre, Samaneh Azad, Puspita Goswami	
205 - A Comparative Analysis of Machine Translation Tools for Technical and UI Texts	Yusuf Afsar , Talha Eren Bilikci, Ramazan Aker, Mustafa Calbak, Semsettin Arslan, MUHAMMET BAYKARA	
162 - Leakage-Aware Hybrid Machine Learning and Metaheuristic Optimization for Drug Addiction Relapse Prediction Using Iraqi Clinical Records	Nabaa Ali Mahdi , Sarah Saadoon Jasim, Ammar Yahya Daeeif	
189 - An Empirical Study on Digital Intelligence Capability, Artificial Intelligence Adoption, and Sustainable Competitive Advantage of Enterprises in Emerging Economies	Naijiao Li , Li Li, Mingxue Chen	
240 - Cyber Resilience in Africa's Industrial IoT: A Data-Driven Assessment of Critical Infrastructure Vulnerabilities in Sub-Saharan Economies	Abdhine Ben Ali , Fahadi Mugigayi	
117 - Botnet Communication Pattern Detection in IoT Environments Using Transformer-Based Autoencoders	Abdulkareem Dawah Abbas , Saad Khalil Al-Qassab, Muayad Hadeed Mohammed , Shihab A. Shawkat, Anmar Flayyih Hasan, Nibras Jasim Mohammed, Ahmed Abdulsalam Alhayaly, Saadaldeen Rashid Ahmed , Yaqub Yusuf Taha	
79 - Imbalance-Aware Credit Default Risk Estimation for Peer-to-Peer Digital Lending Platforms via Dual-Level XGBoost Optimization with Focal Loss and Explainable AI	Talib Abdulhadi Ahmed, Ali Shihab Ahmed, Mohammed Abd Ahmed, Salsal Sadek Kanaan, Samir Shalal Farhan, Faez Hlail Srayyih , Khalid Rokaan Awad, Muhannad Khamis Abed, Adil M. Salman	
238 - Decentralized Machine Learning in Healthcare: Federated Learning for IoMT and Beyond	Fahadi Mugigayi , Hacer Karacan, Adam A. Alli, Abdhine Ben Ali, Lenear Amagove Mwondi	

VSESSION 6.1	HALL: VROOM 1
Date: Saturday, June 20, 2026	Time (GMT+3): 4:00 PM - 6:00 PM
Chair: Muhammed Çelik	Presentation Format: VIRTUAL
97 - Robust Intrusion Detection Using Machine Learning Techniques for Improved Network Security	Mohanad Mohammed Rashid, Mohammed Thakir Mahmood , Suhaib Wissam Maddah, Shahad Fouad Abdulhussein, Sabah Hamoodi Nasef, Ahmed Nadim Ghaffori, Sana Isam Tayeb, Iqbal Abdulbaqi Muhammad
102 - Machine Learning in Robotic-Assisted Surgery: A Systematic Review and Multi-Task Intelligence Framework	Mohammed Thakir Mahmood , Mohammed Abdul Malek Al Saadi, Mohammed Hussein Qasim, Salah Mahdi Saleh Alkhafaji, Mustafa Aqeel Basil, Ahmed Sedeeq Baker, Saadaldeen Rashid Ahmed
32 - Machine Vision-Based Positioning and Grasping System for Industrial Robots in Automatic Production Lines	Xiaoqing Liu
89 - Dynamic Ambiguity-Weighted Label Distribution Learning for Lung Nodule Malignancy Score Estimation from CT Images	Yagmur Konuksever , Elif Soya, Ozkan Doganay, Zuleyha Akusta Dagdeviren
86 - Can Human Preference Redefine AI Testing? A Side- by-Side Evaluation Platform for Large Language Models	Yaprak Aslan , Asiye Kaymak, Ebrar Sena Mangan, Ömer Faruk Selçuk, MUHAMMET BAYKARA
30 - Construction of MFGM-Lactoferrin Nanocarriers and Their Absorption Characteristics in Caco-2 Cells	Yingqi Zhang
191 - Dynamic Margin Expansion for Object Detection in Adverse Weather Across Different Object Types	Mert Can Yücedağ , Muhammed Furkan Alkan, Nuhser Atala, MUHAMMET BAYKARA
237 - Evaluation of Synthetic Panoramic Images by Dental Professionals, Students and AI models	Merter Hami KARACAN , Sait Can YÜCEBAŞ

VSESSION 6.2	HALL: VROOM 2
Date: Saturday, June 20, 2026	Time (GMT+3): 4:00 PM - 6:00 PM
Chair: Abdulkadr Taufik	Presentation Format: VIRTUAL
113 - Computer Use Beyond Clicks	Kağan Arıbaş , Nisa Apaydın, Hüseyin Güngör, Süreyya Demirtaş, MUHAMMET BAYKARA
164 - A Comparative Analysis of Logistic Regression and K-Nearest Neighbors for Multi-Class Health Risk Prediction Using Wearable Device Data	Houssam Mohamed , Kamil Dimililer
222 - Next-Generation Renewable Electricity Market Design Using Hybrid Resilience Optimization	Abdullah Ali Khlaif , Mohsen Ali Arabi, Maryam Bahaa El-Din Babat, Ohood Waleed Abdulrahman Algareh, Dania A. Sadoon, Faisal Ghazi Faisal, Ahmed.F. Salih, Sinan Raheem Jasim, Mostafa Abdulsalam Alhayaly
231 - Kolmogorov-Arnold Networks for Elephant and Mice Flow Management in Software-Defined Networks	Ahmet Tamer, Ümit Demir, Emirhan Gündoğdu, Mert Kaan Kindar, Ahmed Eltayeb Mohamed Eltayeb , MUHAMMET BAYKARA
77 - Packet Stream Classification in Experimental 6G Networks Using Sparse Convolutional Neural Networks	Aymen Dheyaa Khaleel , Mohammed Thakir Mahmood, Wasal S AL-Bash AL-Azzawi, Ali Majid Mustafa, Sundus Ahmed Mohamed, Adyar Kamel Nghimesh, Ahmed Majeed Hussein
59 - A Review Article On Discovering Human Cancers Using Deep Learning Techniques	Muna Y. Salah , Majid Ali, Ahmed S Abdullah
76 - Intrusion Behavior Profiling in Smart Grid Infrastructure Using Swin Transformer Architecture	Munther Naif Thiyab , Mohammed Sabah Ali, Najim Abood Hamudi, Adel A Abbas, Zedhan Kareem Hassan, Ahmed Majeed Hussein, Rania Mohssen, Basheer Husamaldeen Alhayaly

VSESSION 6.3	HALL: VROOM 3
Date: Saturday, June 20, 2026	Time (GMT+3): 4:00 PM - 6:00 PM
Chair: Imaam Badamas	Presentation Format: VIRTUAL
96 - MLA-Net: A Multimodal Machine Learning Framework for Early Cancer Detection, Subtype Classification, and Personalized Oncology	Duha Husein Mohamed Jawad , Maha Zuhair Ahmed, Mohammed F. Aljawad, Sajjad Ghalib Ibrahim, Kazem Abd Shahtool, Marwa K. Farhan, Alhasan Salih Ibrahim, Hadeel Hossam El-Din Ahmed, Diaa Fawzi Hassan
107 - The Influence of Human-Generated Prompts on Generative AI Bias and Its Impact on User Decision-Making	Afifah Syahza Putri, Nadhifa Azka Khairani, Neysa Sabrina , Mahaning Wijaya
208 - Convolutional Neural Networks for Skin Disease Analysis and Treatment Decision Support System	Kerem Selçuk, İbrahim Taşkıran, Mhd Hadi Said Alkaddour , Aybüke Türk, MUHAMMET BAYKARA
170 - QLoRA Fine-Tuning and Retrieval-Augmented Generation for Turkish Medical Question Answering: An Evaluation of Corpus Mismatch and Clinical Safety	Enes Eren SUZGEN , Muhammet Emin SAHİN, Mehmet BAKIR, Cagri ARISOY, Esra GUNGOR ULUTAS, Recep Batuhan GUNAY, Gulbahar YILDIZ, Hasan ULUTAS
235 - Benchmarking Large Language Models for Java Code Smell Detection	Erfan Baghchehdan Ghadimi , Durmuş Özkan Şahin, Sercan Demirci, Doğan Yıldız
223 - Hybrid CNN-BiLSTM approach for Deepfake Voice Detection	Ibrahim Missaoui , Mohamed Hamed, Zied Lachiri
227 - Static Analysis of Vulnerabilities That AI-Based Code Assistants May Introduce	Mehmet Ali Mengüllüoğlu , Zeynep Nisanur Tatar, Yusuf Maral, Harun Ulaş, MUHAMMET BAYKARA
176 - CNN Ranking Analysis Framework for Selecting Partial Training Epoch in NAS	Nurullah Öztürk , ÖZKAN İNİK, Ali AKDAĞ
VSESSION 7.1	HALL: VROOM 1
Date: Saturday, June 20, 2026	Time (GMT+3): 6:30 PM - 8:00 PM
Chair: Muhammed Çelik	Presentation Format: VIRTUAL
202 - Embodied AI Framework for Self-Adaptive Decision Reliability in Autonomous Engineering Environments	Sayor Aaron , Ashif Newaz, SAJJAT HOSSAIN ABIR, Md. Mushfiquir Rahman, Nazmul Ahosan, Md. Monir Hossain
138 - A Deep Autoencoder-Based Intrusion Detection Framework for Enhancing Security in IoT Networks	Shams Salem , Hayri Sever
213 - An Intelligent Multi-Modal Ensemble Framework for Financial Distress Prediction	Ali Usama Al-Hayaly, Karwan Ismael Abdulrahman, Adel Kitab Nassif, Zainab Mustafa Ahmed, Mohamed Ibrahim Khalaf, Sarah Hameed Mohammed , Faez Hlail Srayyih, Faisal Ghazi Faisal, Sameer Algburi
247 - Comparative Analysis of Vision Transformer Models for Diabetic Retinopathy Grading	Serdar Asarkaya , Mahir Kaya
25 - Research on Social Media Sentiment Divergence and ChiNext Index Volatility—Evidence from Eastmoney Stock Forum Comments	Duo Cao
246 - Comparative Evaluation of ViT, DeiT and ConViT Models for Skin Lesion Classification on the ISIC2019 Dataset Under Identical Fine-Tuning Conditions	Emirhan Aydın , Mahir Kaya