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CONFERENCE PROGRAM BOOKLET

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جامعة أبوظبي
Abu Dhabi University



IEEE
United Arab Emirates Section



Day 1: 18 April 2026 – Program Overview

Time	ROOM A (VIRTUAL)			
09:30-10:00	National Anthem			
	Welcome Speech by General Chair			
	Opening Speech by Conference Chair			
10:00-10:30	Plenary Session 1: Keynote Speaker			
VIRTUAL SESSIONS				
	ROOM A (Virtual)	ROOM B (Virtual)	ROOM C (Virtual)	ROOM D (Virtual)
10:30-12:00	Parallel Session 1A: Workshop on Operational AI Systems: MLOps, Applied Intelligence, and Governance (4)	Parallel Session 1B: Human-in-the-Loop & Collaborative AI Systems (6)	Parallel Session 1C: Cloud-Edge AI & Software-Defined Networking/Brain-Computer Interfaces & Cognitive Robotics (6)	Parallel Session 1D: AI in Autonomous Systems & Intelligent Transportation (6)
12:00-12:15	TEA BREAK			
12:15-13:45	Parallel Session 2A: Smart Grids, Renewable Energy & Power Systems (5)	Parallel Session 2B: Human-in-the-Loop & Collaborative AI Systems (6)	Parallel Session 2C: Cybersecurity, Metaverse & Generative AI Applications (6)	Parallel Session 2D: AI in Autonomous Systems & Intelligent Transportation (6)
13:45-14:00	LUNCH/TEA BREAK			
14:00-15:30	Parallel Session 3A: Smart Grids, Renewable Energy & Power Systems (5)	Parallel Session 3B: Intelligent Systems in Healthcare & Medicine (6)	Parallel Session 3C: Cybersecurity, Metaverse & Generative AI Applications (6)	Parallel Session 3D: AI in Autonomous Systems & Intelligent Transportation (5)
15:30-15:45	TEA BREAK			
15:45-17:30	Parallel Session 4A: Mixed Topics (8)	Parallel Session 4B: Intelligent Systems in Healthcare & Medicine (7)	Parallel Session 4C: Mixed Topics (8)	Parallel Session 4D: Cyber-Physical Security, Blockchain & Human Factors (7)

Day 2: 19 April 2026 – Program Overview

VIRTUAL SESSIONS				
	ROOM A (Virtual)	ROOM B (Virtual)	ROOM C (Virtual)	ROOM D (Virtual)
09:00-09:30	Plenary Session 2: Keynote Speaker			
09:30-11:15	Parallel Session 5A: Intelligent Systems in Healthcare & Medicine (7)	Parallel Session 5B: Human-Computer Interaction, UX & Immersive Technologies (AR/VR/MR) (7)	Parallel Session 5C: Explainable & Trustworthy AI with Digital Ethics (7)	Parallel Session 5D: Advanced Signal Processing & 6G Intelligent Communications (8)
11:15-11:30	TEA BREAK			
11:30-13:15	Parallel Session 6A: Intelligent Systems in Healthcare & Medicine (7)	Parallel Session 6B: Mixed Topics (7)	Parallel Session 6C: Explainable & Trustworthy AI with Digital Ethics (7)	Parallel Session 6D: Mixed Topics (7)
13:15-13:30	LUNCH/TEA BREAK			
13:30-15:15	Parallel Session 7A: Industry 4.0, Smart Manufacturing & Digital Twins (7)	Parallel Session 7B: Intelligent Control, Multi-Agent & Swarm Systems (7)	Parallel Session 7C: Explainable & Trustworthy AI with Digital Ethics (7)	Parallel Session 7D: Mixed Topics (8)
15:15-15:30	TEA BREAK			
15:30-17:00	Parallel Session 8A: Industry 4.0, Smart Manufacturing & Digital Twins (6)	Parallel Session 8B: Intelligent Control, Multi-Agent & Swarm Systems (6)	Parallel Session 8C: Human-Computer Interaction, UX & Immersive Technologies (AR/VR/MR) (6)	Parallel Session 8D: Distributed & Federated Learning (5)
CLOSING SESSION - ROOM A (VIRTUAL)				
17:15-17:30	Best Paper Announcement, Closing Remarks by Conference Chairs, Participants' Feedback and Q/A Session			


Day 1: 18 April 2026

PLENARY SESSION 0 & 1

Time	ROOM A (VIRTUAL)
09:30-10:00	National Anthem
	Welcome Speech by General Chair
	Opening Speech by Conference Chair
10:00-10:30	Plenary Session 1: Keynote Speaker

PARALLEL SESSIONS 1


Parallel Session 1A: Workshop on Operational AI Systems: MLOps, Applied Intelligence, and Governance Room A

Time	Authors (Presenter)	ID	Title
10:30-12:00	Chair Talk		
	Alsulaimani, Aysha; ALSulaimani, Asma; Elhadef, Mourad*	313	Toward Trustworthy Privacy-Preserving AI: Security, Ethics, and Governance Perspectives
	Alkhoori, Salama ; Khalil , Ashraf; Ismail, Heba*	352	Operationalizing Generative AI for Cybersecurity Incident Reporting: A Conceptual Operational AI and MLOps Framework for Regulated Healthcare Systems
	Aldahmani, Adhari ; Ismail, Heba*	365	A PDPL-Compliant Digital Transformation Framework for Nonprofit Public Institutions: A Case Study on Awqaf UAE
	Jambula, Satwik Reddy*; Malyala, Ravikanth Reddy; Pendyala, Srihari Kumar; Butteddi, Rajesh Kumar	385	Autonomous Financial Close: Controlled Intent-Based Orchestration for Cross-ERP Accrual Automation
12:00-12:15	TEA BREAK 		

Parallel Session 1B: Human-in-the-Loop & Collaborative AI Systems Room B

Time	Authors (Presenter)	ID	Title
10:30-12:00	Daria A. Gashnikova, Ivan D. Sidelnikov, Alla E. Brom	82	Predictive Lifecycle Management of High-Tech Products Using Machine Learning
	LI, ZIXIN*; Koike, Yasuharu	120	Engaged but Neurally Unprepared: Predictive Quiescence in HiL Automated Driving
	Ilyinov, Leonid; Gorkunov, Nikolay ; Gromozdov, Danila ; Sargsian, Ovannes ; Karpasov, Ilya; Gapanyuk, Yuriy*	155	Coupling of input and output signals of electrical equipment using an LLM agent
	Andoniou, Constantine*	198	The Cheating Crisis That Wasn't: AI, Academic Integrity, and the Evidence Gap
	Joshi, Jatin	328	Human-in-the-Loop AI Frameworks for Digital Bill Payment Adoption: Reducing Paper Dependency Through Trustworthy Cognitive Automation
	Pareek, Chandra Shekhar*	338	Guardrails and Safety Testing Framework for Large Language Models in Insurance Systems: Ensuring Compliance and Risk Mitigation
12:00-12:15	TEA BREAK 		

Parallel Session 1C: Cloud-Edge AI & Software-Defined Networking/Brain-Computer Interfaces & Cognitive Robotics
Room C

Time	Authors (Presenter)	ID	Title
10:30-12:00	LOPEZ, EDUARDO*; Bernad, Cristina; Roig, Pedro Juan; Alcaraz, Salvador; Gilly, Katja	283	Scientific Workflow Management Systems and Scheduling Strategies in the Edge-Cloud Continuum: A Brief Systematic Review
	Ganapathi, Arun*; Gupta, Mahima	321	Autonomous AI Agents for Self-Healing Cloud Infrastructure: A Survey with Critical Evaluation
	George, Abraham*	399	Leveraging the NVIDIA Robotics Ecosystem for Phased Physical AI Development
	Bai V, Ramani ; V M, Ashutosh ; R S, Abhinav; R, Abiram*; Sibi, Amrita	403	A Modular Retrieval-Augmented Architecture for Multilingual Voice-Based Intelligent Assistant
	Herzallah, Mousa*; Jalad, Amro; Aljaber, Hanan; Ujjainwala, Hussain; Herzallah, Joud	408	AI-Powered Neuroadaptive Interfaces: Using Wearable EEG-Based Brain-Computer Interfaces for Structural UI Adaptation
	V, Ramani Bai ; A S, Nafeesa *; Martin, Paul M; Deyo, Sona ; Bijoy, Sona Mary	478	TinyML-Based Adaptive Cache Optimization for Low-Power Embedded Systems
12:00-12:15	<p align="center">TEA BREAK</p> 		


Parallel Session 1D: AI in Autonomous Systems & Intelligent Transportation
Room D

Time	Authors (Presenter)	ID	Title
10:30-12:00	Dou, Linghan*	35	A Lightweight Real-Time RGB-LiDAR Fusion Network for Long-Range 3D Object Detection in Autonomous Driving
	Dou, Linghan*; Liu, Zijian; Varlamov, Oleg	36	An Explainable Autonomous Driving Decision-Making Method Based on the Mivar Expert System
	liu, zizhang*; Gong, Shengshuo; Varlamov, Олег олегович	47	NRLDRPM-A: Noise-Robust Lightweight Diagnosis Network for Railway Point Machines via Audio Signals
	Illarionova, Lilia; Loktev, Alexey; Loktev, Daniil*	76	Modeling the Propagation of Acoustic Disturbances from Motor Vehicles
	Volosova, Alexandra*; Xia, Tongtong	90	Multi-task Scene Object Detection and Trajectory Joint Prediction Model Based on BEVFormer-v2
	Selezneva, Maria; Neusypin, Konstantin; Surkova, Anastasiia*	109	Study of the Inertial Navigation System Error Estimation Accuracy for a Spacecraft Re-Entering the Atmosphere
12:00-12:15	<p align="center">TEA BREAK</p> 		

PARALLEL SESSIONS 2

Parallel Session 2A: Smart Grids, Renewable Energy & Power Systems

Room A


Time	Authors (Presenter)	ID	Title
12:15-13:45	Klochkov, Anatoly; Kichikova, Aleksandra*; Khayrullin, Rustam; Ershov, Denis	70	Study of deep-level recharge processes in semiconductors using deep-level optical relaxation spectroscopy and transient deep-level spectroscopy
	DU, Linxian*; Shen, Qijie; Wuerken, Enkaer; O.O., Varlamov	78	Algorithm for Safety Monitoring and Early Warning of Power Production Personnel Based on Mivar Expert System
	Arbab Khan, Muhammad; Asrari, Arash*	91	Coordination-Aware Digital Twin Intelligence for Detecting Retailer-Level False Data Injection Attacks in Electricity Markets
	Oleynikov, Sergey; Petrov, Ivan; Molchanov, Alexey; Sargsian, Ovannes; Ponomareva, Marina ; Gapanyuk, Yuriy*	157	Visual representation of the power plant network using a metagraph model
	Gromozdov, Danila; Sargsian, Ovannes; Ilyinov, Leonid; Klimov, Nikita; Nardid, Anatoly; Gapanyuk, Yuriy*	159	Structured knowledge extraction from power engineering texts using LLM
13:45-14:00	LUNCH/TEA BREAK 		

Parallel Session 2B: Human-in-the-Loop & Collaborative AI Systems


Room B

Time	Authors (Presenter)	ID	Title
12:15-13:45	Semenova, Maria*	356	Industrial implementation of computer vision system for PCBA quality control
	COMIA, LYSA*	400	Legal Knowledge Grounding with Retrieval-Augmented Generation: Evaluating LLMs on the Philippine Intellectual Property Code
	Joldić, Adil*; Bijedić, Nina; Gašpar, Dražena	418	Behavioral Evidence from Staged Multi-Criteria Disclosure: A Companion Human-Study Analysis of ML Model-Selection Deliberation in Educational QA
	Dioses, Isaac*	473	An Efficient Channel Attention-Enhanced Transfer Learning Framework with Progressive Fine-Tuning for Defective Soy Classification
	Dioses, Isaac*	474	A Hybrid NLP and Explainable Machine Learning Framework for Social-Linguistic Behavior Analysis in Digital Environments
	Dioses, Isaac*	479	A Machine Learning and NLP-Based Analysis of AI Tool Usage, Behavioral Patterns, and Sports Psychology Factors Among Criminology Students
13:45-14:00	LUNCH/TEA BREAK 		

Parallel Session 2C: Cybersecurity, Metaverse & Generative AI Applications
Room C

Time	Authors (Presenter)	ID	Title
12:15-13:45	Zamzam, Marwa*	124	CyberKahoot: A Gamified Cybersecurity Awareness Platform For Students
	Makhanenko, Nelli*; Trufanov, Nikita; Kravchenko, Oleg	139	Machine Learning Methods for Synthetic Speech Detection in the Russian Language
	Alketbi, Khuloud*; Mehmood, Abid	222	An Explainable AI Framework for Malicious Insider Threat Detection Using Random Forest and XGBoost Models on CERT r6.2
	Aravindakshan, Vipindas*	227	Proactive Defense of Cloud Architectures Against AI-Enabled Advanced Persistent Threats Threat Modeling and Architecture-Level Hardening
	Mohamed, Fatima*; Fasla, Hamda; Al-Qudah, Rabiah	255	A Hybrid Data and Model Centric Approach for Network Security Using Deep Learning
	Bhowmik, Jonak ; Ishraque, Tahsin ; Haque Dhruvo, Ahmed Faizul*; Qayum, Mohammad Abdul	272	AGENT-CORE: A Self-Correcting Multi-Domain Framework for Agentic Reasoning in 7B-8B Quantized Models
13:45-14:00	LUNCH/TEA BREAK 		


Parallel Session 2D: AI in Autonomous Systems & Intelligent Transportation
Room D

Time	Authors (Presenter)	ID	Title
12:15-13:45	Wang, Shiqi; Lu, Hui*; Cheng, Shi	112	Robustness Assessment for Image Classification Systems to Combined Common Corruptions Based on Decision Boundary Scenarios
	Naveen, Aarush; Mohammed, Fakruddin*; Banu, Roohi	161	Sim-to-Real Linear Reinforcement Learning with Hybrid PID Control for Straight-Line Motion on a Low-Cost Robot
	Pal, Praveen*	184	Agentic AI-Driven Cyber-Physical Defense Framework for Proactive Threat Anticipation in Mission-Critical Networks
	Shahid, Zain ; Ali, Sahibzada Muhammad; Zeeshan, Muhammad ; Khan, Bilal; Ullah, Zahid*; Gruosso, Giambattista	192	Machine Learning Enhanced Hybrid Power Flow Modelling for Bidirectional EVs Integration in Smart Grids
	Zhang, Lingyu; Li, Linna; Parvasi, Seyed Parsa; Lam, Jasmine Siu Lee*	245	A framework of ship-shore communication with the adoption of autonomous shipping
	Ayyoub, Sara; Wasma, Zayna; Hassan, Taimur; Ghazal, Mohammed ; Yousaf, Jawad*	285	Multi-Class Object Recognition in Autonomous Driving Using Radar Heatmaps and Lightweight Machine Learning
13:45-14:00	LUNCH/TEA BREAK 		

PARALLEL SESSIONS 3


Parallel Session 3A: Smart Grids, Renewable Energy & Power Systems

Room A


Time	Authors (Presenter)	ID	Title
14:00-15:30	Tao, Zhang; tian, Chi hao; lei, Han ; Bhatti, Mehdi Hassan; Sibtain, Daud*; Rafiq, Turab	160	Improved Regulation of Nonlinear Gas Turbine in Hybrid Power System using TP-FOPID Strategy
	Hannan, Abdul; Hussain, Yasir ; Ullah, Kaleem*; Khan, Muhammad Sarfraz ; Saleem, Haider; Azeem, Babar	223	Short-term Load Forecasting in Renewable Power Grids using a Hybrid Deep Learning Approach with Attention Mechanism
	Muhammad Ali, Sahibzada ; Hadi, Muhammad ; Usama, Fnu; Khan, Muhammad Sarfraz; Iqbal, Mansoor*; Ahmad, Shehzad	259	From Artificial to Quantum Intelligence: The Next Frontier of Low-Carbon Energy Systems
	Ali, Sahibzada Muhammad; Ehsan, Abdul Jabbar; Rahman, Abdur; Khan, Muhammad Sarfraz; Khan, Abdullah*; Ali, Syed Shahzaib	271	Quantum Computing–Enhanced Intelligence for Sustainable Power Systems: Toward Next-Generation Smart Grid Architectures
	Ahmad, Shehzad*; Faifer, Marco; Joseph, Epoupa Mengou	277	Techno-Economic Assessment of Hybrid Energy Storage System for Grid Resilience: A Case Study
15:30-15:45	TEA BREAK 		

Parallel Session 3B: Intelligent Systems in Healthcare & Medicine


Room B

Time	Authors (Presenter)	ID	Title
14:00-15:30	Malkov, Oleg K. ; Arkhipov, Artem V. ; Zalygin, Vyacheslav K. ; Skvortsova, Maria*	278	Hybrid Forecasting of Occlusal Changes in Deep Bite Correction Based on Digital Setup, 3D Models, and Design Factors
	Ramteke, Gunjan*	314	HCVTransFuse: A Dual-Task Transformer Architecture for Simultaneous Hepatitis C Stage Classification and Cirrhosis Risk Forecasting from Blood Biomarkers
	Ramteke, Gunjan*	315	HybridFibroNet: Dual-Branch CNN-Transformer Architecture for Joint Liver Fibrosis Staging and Etiology Classification from B-Mode Ultrasound Images
	Chama, Brian*	329	Intelligent Systems, Linguistic Bias, and Health Communication in Dubai: A Critical Study of AI Reliability Across Arabic and Gulf Dialects
	Patel, Dhanvin*	344	PSCAN-AI Object Detection Based Deep Learning Framework for Early Skin Disease Detection and Classification
15:30-15:45	Comia, Lysa*	401	A Handbook-Grounded Retrieval-Augmented Generation Chatbot for Family Planning: Comparative Evaluation of Qwen3-4B and Llama-3.1-8B
	TEA BREAK 		

Parallel Session 3C: Cybersecurity, Metaverse & Generative AI Applications
Room C

Time	Authors (Presenter)	ID	Title
14:00-15:30	Mohamed, Fatima*; Bhutta, Muhammad Nasir	290	AI-Integrated Honeypots for Cloud Security: A Survey and Conceptual Framework
	Yeng, Prosper; Haidar, Abdulhadi Mohammed*; Nweke, Livinus; Gebrie, Mattias; Elhadeif, Mourad	362	Evaluating Classical and Deep Learning Approaches for improving Honeypot-Informed Network Intrusion Detection
	Mahdi, Hawraa*	394	Protecting the privacy of medical images based on hybrid chaotic encryption
	Aljebori, Abdulrahman Ghazwan; Abu Saifan, Mohammad Ahmad; Najib, Said Samir; Mhanna, Ola Marwan; ELHADAD, Mohamed*	396	Deep Learning-Powered Intrusion Detection and Prevention System for Web-Based Attacks
	Jophin, Shany*; Subramanian R, Dr Raja	434	An Explainable Hybrid Self-Attention-Enhanced Deep Neural Network for Malware Detection
	Ortiz, Rachele Mae*; Calanda, Fredilyn	475	ThreatShield: Web-Based Diagnostic Tool for Detecting and Mitigating SQL Vulnerabilities on PHP Login Forms
15:30-15:45	<p align="center">TEA BREAK</p> 		

Parallel Session 3D: AI in Autonomous Systems & Intelligent Transportation
Room D

Time	Authors (Presenter)	ID	Title
14:00-15:30	Alkaabi, Nada Musabbeh; Ayyoub, Sara Hussam; Gilani, Syed Omer; Yousaf, Jawad*	299	Weighted Ensemble of Deep Architectures for SAR-Based Target Classification
	Yap, Wei Yim*; Feng, Hongxiang	304	A data-driven framework for analysing maritime disruptions
	Adamu, Yohannis; Negash, Biniam; Chaudhry, Shehzad*	305	Domain Adaptation of Geospatial Vision Transformers (ViT) for Climate Resilience in the Gulf: A Self-Supervised CV Approach
	Saleem, Aleema; Saud, Fatima; Ul Haq, Inzamam; Khurram, Dr. Muhammad*	416	An Integrated Vision-Based Automated Detection and Monitoring System for Out-Cabin ADAS in Intelligent Transportation Systems
	Abusirdaneh, Manar*; Al Aghbari, Zaher; Elsayed, Saber	417	Metaheuristic-Based UAV Charging Scheduling for Wireless Rechargeable Mobile IoT Networks in Disaster Response Applications
15:30-15:45	<p align="center">TEA BREAK</p> 		

PARALLEL SESSIONS 4

Parallel Session 4A: Mixed Topics

Room A

Time	Authors (Presenter)	ID	Title
15:45-17:30	Chippagiri, Srinivas; Kommi, Sowjanya*; Amaresam, Ravi Kumar	267	Performance Engineering Best Practices for Cloud-Native Distributed Systems
	Ali, Sahibzada Muhammad; Ahmad, Rayed Suhail ; Hannan, Abdul; . , Shafia; Khan, Muhammad Sarfraz; Ahmad, Shehzad*	289	A Deep Learning and Digital Twin Architecture for Intelligent Demand Response in Smart Grids
	Trigueros, Blas; Roig, Pedro Juan*; Alcaraz, Salvador; Gilly, Katja	293	Analytical Dimensions and Performance Evaluation of the Quantum Approximate Optimization Algorithm
	Roig, Pedro Juan*; Alcaraz, Salvador; Gilly, Katja; Bernad, Cristina; Trigueros, Blas	294	Matrix-based perspective to quantum multiplication
	Roig, Pedro Juan*; Alcaraz, Salvador; Gilly, Katja; Bernad, Cristina; Trigueros, Blas	295	A study on the key aspects of the BB84 protocol
	Fasla, Hamda; Mehmood, Abid*	309	Comparative Analysis of SVM and CNN for Web Application Attack Detection
	George, Manju; Bhatt, Sauhard*	332	Anomaly Detection in Pipeline Metrics: Employing AI to Detect Anomalies in CI/CD Pipeline Metrics
	Dioses, Isaac*	470	A Texture-Aware Multi-Stage Transfer Learning Framework Integrating 2D Gram-Based Feature Representation with Progressive Fine-Tuning for Guava Disease Management Farm Decision-Making

Parallel Session 4B: Intelligent Systems in Healthcare & Medicine

Room B

Time	Authors (Presenter)	ID	Title
15:45-17:30	Comia, Lysa*	406	Structure-Aware Retrieval-Augmented Generation for Regulatory Compliance: A Chatbot for the DOLE OSHS Handbook
	Jalad, Amro*; Abu Zahra, Mohammad; Aljaber, Hanan; Herzallah, Mousa	411	GuardBand AI: A Wearable Edge-Computing System for Real-Time Fall Detection and Behavioral Anomaly Monitoring in Elderly Patients
	Alshehhi, Abdulla*	415	An Intelligent Biomedical Retrieval Pipeline for Reducing Hallucination Risk in Retrieval Augmented Generation
	Ramteke, Gunjan*	430	Counterfactual-Guided Biomarker Targeting for Hepatitis C Risk Stratification: A Causal Inference Framework for Treatment Decision Support
	Ramteke, Gunjan*	431	Style-Decoupled Domain Adaptation for Liver Fibrosis Grading in Multi-Vendor Ultrasound Imaging
	Casimiro, Kim Shaira*; Acerado, Risty	463	A Predictive Model for Dengue Hotspot Identification Using GIS and Exploratory Data Analysis for Barangay-Level Health Decision Making
	Dioses, Isaac*	472	A Channel Attention and Spatial Attention-Driven Deep Learning Framework for Enhanced Lung Disease Classification

**Parallel Session 4C: Mixed Topics
Room C**

Time	Authors (Presenter)	ID	Title
15:45-17:30	Narasimhalu Mohanam, Balaji*	335	Context Drift Mitigation in Long-Horizon Agentic Workflows: A Memory-Augmented Retrieval Architecture for Enterprise Process Continuity
	Aggarwal, Anmol*	391	From Prediction to Generation: Decision Criteria for Selecting Traditional ML or Generative AI in Organizations
	Aggarwal, Anmol*	392	Operationalizing Generative AI in Product Management: A Lifecycle Framework
	Waheed, Rabia ; Ali, Sahibzada Muhammad; Ehsan, Abdul Jabbar; Ahmad, Rayed Suhail; Hannan, Abdul ; Khan, Abdullah*	404	Artificial Intelligence in Renewable Energy Systems: Tackling Intermittency and Storage Challenges
	Ali, Sahibzada Muhammad; Ehsan, Abdul Jabbar; Ahmad, Aadil Suhail ; Hadi, Muhammad; Khan, Muhammad Sarfraz; Ullah, Kaleem*	407	The Role of Artificial Intelligence in Achieving the United Nations Sustainable Energy Goals
	Gonzaga, Sean Henry*	410	Classification of Banana Leaf Diseases Through Instance Segmentation using YOLOv8
	Bai V, Ramani; Martin, Henry; Poly, Juliya; S, Malavika*; Abraham, Mariya	413	Intelligent Food Quality Monitoring and Predictive Shelf-Life Estimation Using IoT and Machine Learning
Rayarao, Seetaram Rao*; Mishra, Saraswati; Madineni, Subhashchandra; Yadav, Sahil; Meshram, Amit Kumar	420	A Scalable Knowledge Integration Framework for Large Language Models in Heterogeneous Enterprises	

**Parallel Session 4D: Cyber-Physical Security, Blockchain & Human Factors
Room D**

Time	Authors (Presenter)	ID	Title
15:45-17:30	Stoyanova, Krassimira*	101	Dynamic Coins Change in UTXO-Based Digital Assets using DEPSO
	Alshredah, Jenan*	104	Performance and Security Trade-offs Between Symmetric and Asymmetric Cryptography in Cloud Environments
	AlAmri, Elham ; AlHajri, Arwa ; AlAghbari, Azza ; Iqbal, Mian Muhammad Waseem*; Aman, Waqas	173	Facilitating Experimental Privacy Research with APT: The Android Privacy Tracker
	Anam, S. K. Sajid; Bhuiyan, Md. Mehenuf Hossain; Pramanik, Souvik; Haque Dhruvo, Ahmed Faizul*; Jahangir, Khushnur Binte ; Qayum, Mohammad Abdul	240	Blockchain Meets AI-Powered Oracles and decentralized storage: A Secure and Scalable Framework for Decentralized Credit Scoring
	F, Naaja*; Elhadeif, Mourad; Zarouk, Hajer; Jawish, Anas; Modugu, Kennedy	275	Cryptocurrency Money Laundering Techniques and AI-Driven Detection Approaches
	Alsuwaidi, Maitha*; Vashisht, Pallavi; Elhadeif, Mourad	318	Security Challenges in IoT and Edge Computing: A Layered Analysis of Threat Vectors
	Goncharenko, Daria*; Kravchenko, Oleg; Mizinov, Pavel; Egorov, Dobroslav; Konnova, Natalia	140	Artifact Synthesis in Biometric Robustness Assessment

Day 2: 19 April 2026

PLENARY SESSION 2

Plenary Session 4: Keynote Speaker


Room A

09:00-09:30 **Keynote Speaker** Title: *TBA*

PARALLEL SESSIONS 5


Parallel Session 5A: AI, Neural Networks, Deep Learning and Intelligent Systems

Room A

Time	Authors (Presenter)	ID	Title
09:30-11:15	Korobova, Natalia*; Chekmenev, Vladimir; Stepanov, Vasily; Shakurov, Alexey; Pushkarev, Aleksandr	52	Control System Architecture for a Cold Air Therapy Experimental Unit
	Dmitrievich, Kirill*	60	Development of the ResNet18 model for biometric identification based on palm vein pattern
	Kapravchuk, Vladislava*; Bykanov, Ilya; Ishkildin, Albert; Chibizov, Pavel; Briko, Andrey; Shchukin, Sergey	80	Investigation of the dependence of muscle contraction force on morphofunctional changes in forearm tissues
	Chibizov, Pavel*; Kapravchuk, Vladislava; Mazeina, Veronika; Briko, Andrey	83	Experimental system for transverse ultrasound mapping of anatomical structures of the forearm
	Li, Ekaterina*; Borde, Anna; Sarmin, Eduard; Parunin, Anton; Rura, Oleg; Nikita, Belikov	107	Temperature measurement in ultrasonic field using thermistors and thermocouples
	Habib, Milia*; Al Boudone, Moulham; Merhi, Zaher	122	AI-Powered Medical Assistant System for Disease Prediction and Clinical Note Structuring
	Maresca, Paolo*; Panaro, Iris	129	A Hierarchical Multi-Agent System for Dynamic Orchestration of Clinical Workflows
11:15-11:30	TEA BREAK 		


Parallel Session 5B: Human-Computer Interaction, UX & Immersive Technologies (AR/VR/MR)

Room B

Time	Authors (Presenter)	ID	Title
09:30-11:15	Milevich, Artem*; Ovchinnikov, Danila; Terekhov, Valery	40	Acceleration of visualization of point clouds in the PyQt6 application using VBO technology
	Zelinskii, Daniil*	57	Symmetry Restoration of LiDAR Tree Point Clouds
	Leser, Jack; Islam, Md Baharul *	93	SignGPT: Real-Time ASL Keyword Recognition with LLM-Guided Sentence Completion
	Baeva, Anna*	96	Dependence of labour productivity of ERP-system users on the cost of implementation of AI-agents into the support service
	Al-Shafaey, Fatimah; Al-Khamis, Najla; Alotaibi, Sarah; Al-Zaaqi, Sheikha; Al-Dawsari, Hadeel*	156	Towards an Intelligent Quran Memorization Framework Using Interactive and Personalization Technologies
	Islam, Md Baharul *	185	Feasibility Benchmarking of Saliency Detection for Assistive Stereo Video Retargeting in Wearable AR
	Kachbal, Ilham*; El Abdellaoui, Mohammed Yassine; Arhid, Khadija; Errafi, Imrane; EL Harmali, Mousaab; Samili, Abdelkhaleq; El Abdellaoui, Said	201	A Five-Stage Pose-Guided Virtual Try-On Framework for Traditional Gulf Abayas with SAM-Refined Segmentation
11:15-11:30	TEA BREAK 		


Parallel Session 5C: Explainable & Trustworthy AI with Digital Ethics

Room C

Time	Authors (Presenter)	ID	Title
09:30-11:15	Shen, Qiujie*	26	A Multi-Dimensional Feature Analysis and LLM-Enhanced Similarity Assessment Method For Mivar Decision Models
	Lishad, Md. Aurongojeb; Arafat, Md. Adnan; Haque Dhrubo, Ahmed Faizul*; Qayum, Mohammad Abdul	55	Explainable Stacking for Bangladesh CPI: Ridge-Meta Ensembles with SHAP/LIME
	Khoroshev, Egor*	64	Kolmogorov-Arnold Networks: Atomic Basis Implementation
	Khan, Effat Amin; Islam, Mosammat Shahana ; Alam, Sanjana; Haque Dhrubo, Ahmed Faizul*; Qayum, Mohammad Abdul	132	Measuring the Impact of Social Media on Human Productivity Using Sentiment, Emotion, and Explainability
	Barshin, Sergey*; Solopov, Aleksandr; Kiribaev, Timur; Borisochkin, Mikhail; Efimov, Nikita; Panyukova, Svetlana	137	AI-based Assistant for Studying an Electrical Engineering Course
	Al Hasnaine, Kazi Abdullah ; Sunny, Md. Asaduzzaman; Amin, Al; Abedin, Md. Jalal; Haque Dhrubo, Ahmed Faizul*; Qayum, Mohammad Abdul	142	Real-Synthetic Artwork Classification with Deep Transfer Learning: Benchmarking and Web Deployment
	Chowdhury, Meherin; Nafi, Akib Sadman; Shameem, Fahima ; Sakil, Sabbir Ahmed ; Haque Dhrubo, Ahmed Faizul*; Pramanik, Souvik; Qayum, Mohammad Abdul	165	Comparative Analysis of Transformer Models for Multi-Class Emotion Detection: A Cross-Dataset Study
11:15-11:30	TEA BREAK 		

Parallel Session 5D: Advanced Signal Processing & 6G Intelligent Communications


Room D

Time	Authors (Presenter)	ID	Title
09:30-11:15	Zelnitskiy, Nikita*; Suchkov, Victor	38	Development of a Moving Target Detection Algorithm for an Automotive Millimeter-Wave Radar Based on a Multi-scatterer Radar Scene Model
	Zelnitskiy, Nikita*; Suchkov, Victor; Dodenko, Ilya	39	Algorithm for calculating synthetic aperture radar images of ship targets based on polygonal and multipoint models
	Karakulin, Yury*	72	Investigation of ultra wideband spiral antenna receiving pattern from a radio source
	Uzdenov, Taulan*	103	Modeling an online machine learning service based on a queueing system
	Finoshin, Alexander*; Glushkov, Andrei	105	Noise Signal Processing Based on the Generative Model Method
	Andrest, Vladislav*	179	Automatic Detection of Micro-Relief Archaeological Features in Forested Areas from LiDAR Point Clouds
	Evdokimova, Julia*; Abdallah, Mohammad; Nassr, Mohammad; Anbar, Mohammad; Hammoud, Hala	221	A Hybrid SMI-MWF Approach for Enhanced Sidelobe Cancellation in Radar Systems
	Fedorov, Ivan*; Konovalov, Yaroslav	86	Computing Modified Meyer Wavelet Filters Using Newton's Method
11:15-11:30	TEA BREAK 		

PARALLEL SESSIONS 6


Parallel Session 6A: Intelligent Systems in Healthcare & Medicine

Room A

Time	Authors (Presenter)	ID	Title
11:30-13:15	Habib, Milia*; El Haffar, Azzam; Hamzeh, Abdel Rahman; Merhi, Zaher	158	High-Performance Brain Tumor Detection in MRI Using YOLOv12s: A Comparative Study
	Almazaydeh, Laiali; Almazaydeh, Laiali*	197	Machine Learning-Based Classification of Fetal Health Using Cardiotocography Data: An H2O and Power BI Approach
	Abdul Gaffar, Mohammed ; Alawida, Moatsum*	229	A Diffusion-Hyperchaotic Zero-Watermarking Framework for Secure Medical Image Protection
	Abdel Wahed, Mutaz*; Mohammad Aljawarneh, Nader; Almarashdi, Osama; Almarashdi, Feras	244	Agentic Automation in Healthcare Finance: A Next-Generation Model for Invoice Processing
	Sekeroglu, Boran; Ozturk, Lara*; Kaba, Serife; Ilhan, Ahmet ; Mirzaei, Omid	253	A Comprehensive Comparative Evaluation of Deep Learning Models for Breast Cancer Classification Using Ultrasound Imaging
	Simanta, Saif; Islam, Md Baharul *	256	Technology-Enabled ASD Detection: Modalities, Performance, and Clinical Readiness
	Alhebsi, Saif*; Al-Qudah, Rabiah	268	End-to-End Automated Data-Centric Pipeline with Adaptive Augmentation for Medical Image Classification
13:15-13:30	TEA BREAK /LUNCH BREAK/PRAAYER BREAK 		


Parallel Session 6B: Mixed Topics

Room B

Time	Authors (Presenter)	ID	Title
11:30-13:15	Antsifrov, Nikita*; Myshenkov, Konstantin	25	Evaluation of Software Lifecycle Models Based on Project Parameter Metrics
	Kurakov, Sergei; Samoylov, Vladimir; Yilmaz, Dilhan; Tikhomirov, Grigoriy*; Kotelnikov, Pavel	27	On the Application of the Method of Cold Gas-Dynamic Spraying in the Restoration of Monumental Metal Sculpture
	Okunev, Vyacheslav*	41	Comparative ATWS Analysis of the BN-800 Reactor, Fueled by UO _{1.8} -Pu ₄₀₇ and Nanopowder of UO _{1.8}
	Suchkov, Victor; Perov, Alexei; Tseytlin, Stepan*	45	Analysis of Target Classification Algorithms in a Polarimetric Inverse Synthetic Aperture Radar
	Sidorova, Svetlana*; Kiryanov, Sergey; Shcherbak, Ekaterina; Naumova, Anastasia; Kouptsov, Alexey; Artemyev, Ivan	46	Unified Neural-Network Model of the Geometry of Multicomponent Nanoscale Coatings and Structures
	Ivaannikova, Valeria*; Pushkarev, Aleksandr; Burkov, Ivan; Tsiganov, Dmitry; Zhidkov, Dmitry	53	Conceptual Design Improvements for a Prototype Decellularization and Freezing System
	Shati, Ibrahim*; Marimi, Rashed ; Gernaz, Mohamed ; Jernz, Riad	56	Integrated Green Energy Solutions Within 5G Networks: A Unified Approach to IoT Cybersecurity
13:15-13:30	TEA BREAK /LUNCH BREAK/PRAAYER BREAK 		


Parallel Session 6C: Explainable & Trustworthy AI with Digital Ethics

Room C

Time	Authors (Presenter)	ID	Title
11:30-13:15	Yasser, Eesha; CHAUDHRY, SHEHZAD*	176	A Schema-Enforced Evaluation Pipeline for LLM-Based Windows Security Log Classification
	Andoniou, Constantine*	203	404 Meaning Not Found: The Pedagogy of Error in AI-Enhanced Learning
	Rahman, Asifur ; Bin Azam, Rashed Ahammod ; Chowdhury, Israt Jahan ; Nasim Uddin, Nabil Mohammed ; Pramanik, Souvik; Haque Dhrubo, Ahmed Faizul*; Qayum, Mohammad Abdul	219	Comparative Evaluation of Deep Learning Architectures for Underwater Semantic Segmentation Using the SUIM Dataset
	Hossain, Walid; Wahid, Anabil ; Haque, Shifa; Haque Dhrubo, Ahmed Faizul*; Qayum, Mohammad Abdul	243	Real-Time Legal Auditing of LLM Interactions Using Retrieval Augmented Small Language Models
	EBADINEZHAD, SAHAR*; Adeshina , Olusegun Emmanuel	300	The Frontier of Multi-Modal Fusion: A Systematic Review of Knowledge Graph-Guided Generative Augmentation
	Penumarthi, Sai Venkata Ganesh*	306	AgileAgent-Orch: Governance-Aware Agentic Repository Migration within Scaled Agile AWS Pipelines
	Hossain, Mohammad ; Haque, N. M. Muntasirul ; Islam Sajib, Md Shakhawat; Haque Dhrubo, Ahmed Faizul*; Qayum, Mohammad Abdul	367	Detection and Classification of Peripheral Blood Cells in Microscopic Images using Deep Learning
13:15-13:30	TEA BREAK /LUNCH BREAK/PRAYER BREAK		
			

Parallel Session 6D: Mixed Topics


Room D

Time	Authors (Presenter)	ID	Title
11:30-13:15	Ghani, Najah*	58	Building an AI-Driven HR Strategy: A Framework for Organizational Transformation
	Kovalenko, Alexey*; Myshenkov, Konstantin	59	Web Service for University Navigation
	Gámez-Cartagena, Fernando Tomás; Roig, Pedro Juan*; Alcaraz, Salvador; Gilly, Katja; Bernad, Cristina	67	Time Series Forecasting via Machine Learning: A Comparative Perspective on Financial Markets and IP Network Traffic
	Khayrullin, Rustam; Nizhametdinov, Mansur*; Styazhkin, Vyacheslav; Chernenkiy, Mikhail	68	Probabilistic Analysis Application in Early Design of Multi-Component Technical Systems with Metrological Support
	Zakutin, Alexander; Yurova, Evgenia*; Kosolapov, Michael; Shkuratova, Lyudmila	73	Evaluation of Measurement Uncertainty for the Complex Effective Reflection Coefficient of Six-port Devices with Millimeter-Wave Instrumentation
	Zaben, Adil; Islam, Md Baharul *	85	Seasonally Robust Thermal Object Detection: A Modality-Aligned Approach
	Syrchina, Anna*; Kuleshov, Alexander	121	On the effect of the discreteness in the automatic control system of a small-sized indicator gyrostabilizer of an optical device on the image stabilization quality
13:15-13:30	TEA BREAK /LUNCH BREAK/PRAYER BREAK		
			

PARALLEL SESSIONS 7

Parallel Session 7A: Industry 4.0, Smart Manufacturing & Digital Twins

Room A

Time	Authors (Presenter)	ID	Title
13:30-15:15	Amirkhanyan, Liana*	43	Comparing machine learning and fuzzy-logic hybrid approaches for defect detection
	mahmoud, rami*; Gavriushin, Sergey	44	Fuzzy Logic-Based Predictive Maintenance for Industrial Chillers: System Development and Economic Analysis
	Volosova, Alexandra*; Derevyankina, Maria O.; Korchagina, Victoria A.	88	Realization of the danger detector within the framework of the digital twin of the vehicle
	Aronov, Pavel*; Galanin, Mikhail; Rodin, Aleksandr	100	Modeling of fuel pellets fracture using discrete crack method
	Meshcheryakova, Vera*	108	Machining accuracy automated assessment method for the CNC machines
	Parfenova, Daria*; Brom, Alla	119	Forecasting the technological level of industrial production based on machine learning
	Kopachevsky, Maxim*	130	A reproducible engineering and economic framework for evaluating digital twin projects at the asset level
15:15-15:30	TEA BREAK /LUNCH BREAK/PRAYER BREAK 		


Parallel Session 7B: Intelligent Control, Multi-Agent & Swarm Systems

Room B

Time	Authors (Presenter)	ID	Title
13:30-15:15	Gong, Shengshuo*	24	A Distributed Mivar Cooperative Decision-Making Model for Multi-Robot Task Allocation in Warehouses
	Markevich, Daniil; Vidmanov, Dmitry*	31	Reinforcement Learning for a Playground on the Aurora Mobile OS: An Example Using the MuJoCo Ant Framework
	Lobachev, Ivan; Nagornyy, Ivan; Maslennikov, Andrey*	48	LiDAR measurements simulation for a grid-based map
	Arutin, Victor*; Alifimtsev, Alexander	63	Independent cooperative multi-agent reinforcement learning
	Zhang, Che*; Terekhov, Valery; Zhai, Yiming	71	Aligning Global and Local Belief through Communication in Multi-Agent Reinforcement Learning
	Nikolakis, Nikolaos*; Catti, Paolo; Alexopoulos, Kosmas	75	Agentic AI for the proactive identification of unforeseen disruptions in manufacturing supply chains
	Volosova, Alexandra*; Musaev, Maxim. Sh.; Tyugova, Viktoria I.; Guryanov, Daniil O.	89	Using the Physarum polycephalum model to build and optimize transport networks in the Arctic
15:15-15:30	TEA BREAK /LUNCH BREAK/PRAYER BREAK 		


Parallel Session 7C: Explainable & Trustworthy AI with Digital Ethics

Room C

Time	Authors (Presenter)	ID	Title
13:30-15:15	Chiranjeevi Partha Saarathy, Sutharsan*; Riaz, Sadia	369	PETAI: Human–AI Teaming for Consent-First Personalized Education in Industry 4.0 using Multimodal, Low-Intrusion Signals
	Wu, Tianyu*; Zhang, Weizhi; Zhang, Xinxin	370	Explainable Wafer Defect Detection Using Spatial Graph Neural Networks with GNNExplainer Attribution
	Chiranjeevi Partha Saarathy, Sutharsan*; Riaz, Sadia	382	TRUSTED: A Unified Reference Architecture for Trustworthy AI Deployment in Education
	Bai V, Ramani*; Varghese, Jerin; Nair, Rakshit; Eldho, Sachin; Rajeev, Sreeraj	414	Neethi AI: An AI-Powered Multi-Agent System for Indian Legal Advisory
	Tamim, Abdulrahman*	451	Head Compensatability Is Architecture-Determined
	Agustin, John Lloyd*; Cayabyab, Gerald; Calanda, Fredilyn	461	An NLP-Based Framework for Analyzing Online Reviews to Assess Service Quality in Local Small and Medium Food and Service Businesses
	Dioses, Isaac*	462	A Multi-Modal Explainable AI Framework Integrating NLP Sentiment, Behavioral Feature Engineering, and Supply Chain Dynamics for Agri-Product Switching Analysis Among Filipino Gen Z Students
15:15-15:30	TEA BREAK /LUNCH BREAK/PRAYER BREAK		
			

Parallel Session 7D: Mixed Topics

Room D

Time	Authors (Presenter)	ID	Title
13:30-15:15	Suyunova, Malika*; Elov, Botir	177	Creating and Preparing an Uzbek-language Dataset for Aspect-Based Sentiment Analysis (ABSA)
	Gohil, Manvirsinh; Patel, Jenil; Datt, Rajan; Gupta, Rajesh*; Tanwar, Sudeep	213	Multilingual Agricultural Advisory System Using Fine-Tuned LLM-Driven Recommendation Models
	Jad Allah, Yara ; Alawida, Moatsum*; Shalash, Raned ; Alassem, Batool ; Alhiyari, Dina	230	VocalGuard: A Machine Learning–Based Framework for Real-Time Deepfake Voice Detection in Voice Authentication Systems
	Sana, Sawera; Khawaja, Sajid*; Khan, Asad; Akram, Muhammad Usman; Shaukat, Arslan	247	EdgeEvoFilter: Energy–Quality-Aware Reconfigurable Approximate Gaussian Filtering for Edge AI
	Awais, Malyka; Khawaja, Sajid*; Khan, Asad; Waris, Haroon; Ahmad, Shahbaz	248	Mind the Gaps: A Survey of Reusability and Interconnect Challenges in UVM-Based SoC Verification
	Abdullahu, Shkëmb *; Kadriu, Arbana; Piangerelli, Marco	261	A Comparative Evaluation of Multi-Face Recognition Pipelines on a Custom Dataset for IoT-Oriented Applications
	Pendyala, Srihari Kumar*; Malyala, Ravikanth Reddy; Jambula, Satwik; Butteddi, Rajesh Kumar	266	A Real-Time, High-Throughput Journal Integration Framework for Heterogeneous ERP Systems
	Felix, Karizza*; Acerado, Risty	471	A Predictive Model for Residential Property Valuation Using GIS and Machine Learning
15:15-15:30	TEA BREAK /LUNCH BREAK/PRAYER BREAK		
			

PARALLEL SESSIONS 8

Parallel Session 8A: Industry 4.0, Smart Manufacturing & Digital Twins Room A

Time	Authors (Presenter)	ID	Title
15:30-17:00	Kovalev, Andrew*; Kanev, Anton	131	Modified voxelization algorithm for obtaining tree crown approximation from single tree LiDAR dense cloud
	Al Shehadat, Moaaz ; Jemmali, Mahdi*; Hidri, Lotfi	254	Initialization Sensitivity of Simulated Annealing for Identical Parallel-Machine Scheduling with DeJong's Learning Effect
	Yeng, Prosper*; Abouezz, Abdullah; Diekuu, John-Bosco; Bettayeb, Meriem; Abdulmote, Abdulrahman Zakaria ; Salaas , Yumna	284	Comparative Machine Learning Models for Steel and Direct Reduced Iron Quality Prediction: A Systematic Review
	Narasimhalu Mohanam, Balaji*	334	BridgeAgent: A Graph-Aware Mediation Framework for Connecting Agentic AI to Legacy Enterprise Systems via Adaptive API Translation
	Baccari, Sihem; ELHADAD, Mohamed*	390	Digital Twin Applications for Connected and Autonomous Driving: A Survey
	Ivlicheva, Valeria; Kalvinskayte, Kira; Kuzina, Ksenia R. ; Skvortsova, Maria*	409	DETERMINING THE CONDITION OF CITY GREEN SPACES FROM PHOTOGRAPHS

Parallel Session 8B: Intelligent Control, Multi-Agent & Swarm Systems Room B

Time	Authors (Presenter)	ID	Title
15:30-17:00	Vasilevich, Yuriy*; Ivanovich, Gennady	114	Method for aggregating task batches based on the principle of trainable weighted optimism
	Peshkov, Dmitrii*; Gurenko, Vladimir	138	A Fuzzy Model for Adaptive Server Load Forecasting
	Ahmad, Bushra*	175	Radio Beacons Intensity-Based Algorithm for UAV Angular Vibration Estimation and Precision Landing on a Moving Platform
	abduljabbar, tamara*	232	Secure Multi-Agent AI Systems for Smart Cities Using Blockchain-Based Trust and Edge Intelligence
	Maheshwari, Taniya*; Jain, Saksham	280	Fitness-Guided Adaptive Dandelion Optimizer
	Tahir, Nura*; Zhang, Jie; Armstrong, Matthew	291	Deep Learning Soft Sensors for Real-Time Estimation of Product Compositions in a Heat-Integrated Distillation Column

Parallel Session 8C: Human-Computer Interaction, UX & Immersive Technologies (AR/VR/MR)

Room C

Time	Authors (Presenter)	ID	Title
15:30-17:00	Ray Filho, Dennis ; Islam, Md Baharul *	218	Jerk-Triggered Bone-Conducted Vibration for VR Cybersickness Mitigation
	EL Abdellaoui, mohammed-yassine*; Kachbal, Ilham; Mounir, Ilham; El Abdellaoui, Said	279	Inclusive Virtual Try-On Systems: Geometric and Generative Approaches for Diverse Garments
	Said, El Abdellaoui *; Kachbal, ilham; El Abdellaoui, Mohammed Yassine; Labrassi, Maryem; Arhid, Khadija	325	Virtual Try-On for Gulf Traditional Garments: A Culturally Aware Deep Learning Framework with Adaptive Mask Refinement
	Mushtaq, Arif*	363	Human – AI Interaction and User Experience: Integrating HCI Principles into AI System Design Education
	Subramanian, Dr.Ganesan*; Anna Jacob, Anju	372	Design and Experimental Evaluation of a Immersive Computer Vision-Based Gesture-Controlled LED Display System
	Balan, Anuvinda; Bernard, Lee; Islam, Md Baharul *	393	Augmented Reality for Corporate Sustainability Reporting: An Interactive Carbon Footprint System

Parallel Session 8D: Distributed & Federated Learning

Room D

Time	Authors (Presenter)	ID	Title
15:30-17:00	Zamzam, Marwa*; Elgendi, Nadeem	123	GAIA-FL-AGC: A Differential Privacy and Generative AI Approach to Robust Intrusion Detection in Federated Learning
	Vummaneni, Naga Sujitha*; Bobba, Sundeep	180	Breaking Down Silos: A Federated Approach to Collaborative Threat Detection Using Privacy-Preserving Machine Learning
	El-Dalahmeh, Qais*; Magableh, Muhamad Naser ; li, jie	209	Prompt Driven Legal Compliance Automation Using Large Language Models
	chugani, Hitesh*	340	FedRAG-FT: Drift-Aware Federated Fine-Tuning of Foundation Models for Reliable Retrieval-Augmented Generation
	Yeng, Prosper*; Abouezz, Abdullah ; Diekuu, John-Bosco; Elhadad, Mohamed	341	Federated Soft-Voting Intrusion Detection with Random Forest under IID and Non-IID Data

CLOSING SESSION

Closing Session – Closing Remarks by Conference Chairs

Room A

17:15-17:30	Best Paper Announcement
	Closing Remarks by Conference Chairs
	Participant Feedback We value your insights and would love to hear about your experience. Please share your feedback on the sessions, speakers, organization, and overall event. Your input is essential in helping us improve future conferences!
	Q/A Session

Thank you very much for your contributions.