Second List of accepted papers ICDEC 2026

Paper ID	Paper Title
256	APEX-Sort: An Adaptive Predictive Entropy-Guided Multiway Sorting Framework for Heterogeneous Data
262	SLO-Aware Predictive Autoscaling and Placement of Large Language Model Microservices on Heterogeneous Cloud Graphics Processing Units
265	SPAR-CD: Season and Persistence-Aware Environmental Change Detection from Multitemporal Satellite Images
266	RASD-Net: Real-Time Atmospheric Scattering Decomposition Network for Interpretable and Efficient Image Dehazing
270	PowerGuard AI: Intelligent Electricity Theft Detection Using LightGBM with Explainable AI
278	Experimental Evaluation of Ascon-AEAD128 for Lightweight and Secure IoT Communication an Attribute-Wise Comparison with ECC-Based AES-GCM
284	Two-Stream Convolutional Networks for Video Forgery Detection in Facial Videos
286	Workload-Adaptive I/O Scheduling for Mixed Read/Write Patterns on NVMe SSDs Using Real-Time eBPF Monitoring
289	A High-Speed and Area-Efficient MTCLCG Architecture Using Three-Operand Computation with Parallel prefix adder
292	Secrecy Performance Analysis of EH-Enabled Backscatter Communication With Tag Selection Schemes and Multiple Eavesdroppers Over Nakagami-m Fading Channels
296	Comparative Analysis of Classical Machine Learning Models for Mental Health Risk Classification Using Textual Data.
297	Network-Level KYC Enforcement in a Custom Avalanche Layer-1 Using Proof-of-Authority and the TxAllowList Precompile
298	Multi-Signal Update Validation for Byzantine-Resilient Federated Intrusion Detection
301	A Hybrid Neuro-Fuzzy Ensemble Learning Approach for Reliable Healthcare Data Classification in IoMT
302	Query Characteristics and Retrieval Strategies: A Proposed Model of Retrieval Effectiveness Across Query Types
303	An Intelligent Federated Deep Learning Approach for Detecting Diverse Attacks in IoMT Networks
304	Towards Data-Efficient Breast Cancer Ultrasound Diagnosis: An ImageNet-Pretrained DeiT-Small Framework
305	Conditional Diffusion-Based Minority Augmentation for Imbalanced WLAN Fingerprint Indoor Localization
306	Knowledge Distillation of a Vision Transformer for Lightweight Brain Tumor MRI Classification
307	Knowledge-Preserving Model Compression for Pneumonia Classification Using Teacher–Student Learning
308	Machine Learning-Based Early Fault Detection and Fail-Safe Decision Support for Run-to-Failure Turbofan Engines

309	Explainable Breast Cancer Detection from Infrared Thermograms Using DenseNet-121 and Grad-CAM
329	A Novel Adaptive Mirage Transformer-based Investigative Approach for Early Diagnose of Oral Squamous Cell Carcinoma
331	Parameter-Efficient Adaptation of a Compact Vision–Language Model for Medical Visual Question Answering
364	Portable Eye Pressure Monitoring with ML-Based Glaucoma Prediction
368	Automated System Based on Satellite Imagery to Detect Illegal Construction and Land Encroachment
370	Bio-Inspired Algorithms: A detailed revision and analysis
378	Low-Cost Decentralized Smart Air Purification and Monitoring System
379	Remaining Useful Life Prediction Under Missing Sensor Data Using Uncertainty Quantification
380	A Low-Cost Autonomous Campus Guide Robot with QR-Based Floor Selection, Semantic Point-of-Interest Navigation, and Conversational Interaction
390	Smart Skin Disease Classification Using XAI
391	AI CivicSense: YOLOv8-Based Photo Verification and SLA-Driven Escalation for Municipal Grievance Redressal