

IEEE International Conference on Circuits, Control, Communication & Computing (I4C) 2026

Conference Presentation Schedule

Oral Paper Presentation Sessions Day 1: 10.09.2026 Time: 2.00pm to 4.30pm																																									
Track 1: Computing & Intelligent Systems Session 1 Venue: LHC 506	Track 1: Computing & Intelligent Systems Session 2 Venue: LHC 508																																								
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Track 1: Computing & Intelligent Systems
Session 3
Venue: LHC 513

Paper ID	Title
272	Hybrid Intelligent Web Application Firewall with Adaptive Zero-Rule Machine Learning Defence for Zero-Day Attack Detection
275	Design And Implementation of ML Integrated With Digital Twin Enabled Self-Healing Web Application
278	Multi-Platform Real-Time Semantic Analysis using Machine Learning and social media APIs
280	A Comprehensive Preprocessing Pipeline for Breast Ultrasound Images with DCGAN-Based Data Augmentation
288	SVEN: Proactive Latent-Space Privacy Sealing Against Unauthorized Multimodal AI Analysis
294	An Attention-Guided Explainable Image Classification Framework Using ResNet50 and Grad-CAM Based Feature-Guided Retraining
297	ADOS-Enhanced Recognition of Autism Spectrum Disorder Via Ensemble-Based Machine Learning Approach
300	LLM Guided Cross Domain Inpainting
318	Heart Disease Risk Classification Using Retinal Fundus Images: A Comparative Analysis of Deep Learning Models
320	Depression Screening from Facial Dynamics in Clinical Interviews Using Lightweight Temporal Modeling

Track 1: Computing & Intelligent Systems
Session 4
Venue: LHC 514

Paper ID	Title
323	Deep learning Approaches for Machine Quality Assurance
324	Digital Twin-Based 3D Reconstruction of the Human Lungs from 2D Medical Imaging Data for Disease Prediction and Monitoring
336	Smart Vision: AI-Powered Signboard Reader for the Visually Impaired
345	Nonlinear PTA-Age Risk Modeling for Explainable Presbycusis Severity Classification
350	Real-Time Facial Emotion Detection System Using Deep Learning
351	Intelligent Storage Area Networks: A Comprehensive Framework for LLM-Assisted Performance Analysis and AI-Based Threat Detection
355	Galaxy Morphology Classification Using Lightweight ViT-Tiny with Projection Learning
362	A Hybrid Knowledge Graph-Based Model and Fuzzy Inference for Diabetes Risk Prediction
377	An Efficient Deep Learning Framework for Brain Tumor Classification

Track 1: Computing & Intelligent Systems
Session 5
Venue: LHC 515

Paper ID	Title
378	MindSense AI: A Real-Time Multimodal Framework for Student Attention Monitoring Using Computer Vision
387	Analysis and Prediction of Crime Against Women in India Using a Machine Learning Approach
388	TinyKannada: Edge AI Framework for Offline Kannada NLP on Resource-Constrained Android Devices
400	Automated Maize Leaf Disease Detection and Severity Analysis
411	Hybrid Approach for Identifying Vehicle Insurance Fraud Using Data Balancing and Deep Learning Techniques with Explainable AI
430	Light Weight Predictive Scheduling In Cloud Computing Using Machine Learning Model
435	PediaSense: A Smart Multi-Sensor AI Wearable for Real-Time Toddler Health Monitoring and Predictive Risk Analysis
440	A Proposed Synchronized Four-Layer Offline Intelligent Tutoring Framework Using Small Language Models for Pre-University Education
462	FinShield: Unified GraphSAGE Framework for Financial Anomaly Detection

Track 2,3: Communication System/ Circuits
Session 1
Venue: LHC 516

Paper ID	Title
56	Secrecy Analysis of MAR-Assisted Cooperative NOMA System with Optimal Power Allocation
57	Optimizing Power Allocation in PRS-Based Cooperative NOMA: Capacity and Outage Analysis
188	Design and Modelling of a Silicon On Insulator Surface Plasmon Resonance Waveguide Biosensor
313	A Safety-Oriented Vision-Based Lane Departure Warning System with AUTOSAR-Aligned Modular Design and 3D Deviation Visualization
408	5.8 GHz Textile Antenna for Wireless Body Area Networks
417	SafeGuard AI: A Custom Deep Learning and IoT Wearable System for Real-Time Personal Safety and Assault Detection in Remote Environment
683	Design of Three bit Coded Metasurface antenna for Near field and Far field applications
655	CORDIC based Multiply and Accumulate Units using Lower OR Adders
656	Implementation of Low-power 4-bit Magnitude Comparator using Mixed Logic
836	Ad hoc On-Demand Distance Vector Delay-Driven: A Delay-Centric Routing Protocol for Low-Latency Drone Communication Systems

Oral Paper Presentation Sessions**Day2-11.09.2026**

Time: 10.00am to 12.30pm

**Track 1: Computing & Intelligent Systems
Session 6
Venue: LHC 506**

Paper ID	Title
397	EdgeShield: Communication-Drift-Aware Behavioral Identity Verification for Industrial IoT Edge Devices
399	An Explainable Confidence-Aware Deep Learning Framework for Reliable Pneumonia Diagnosis from Chest X-ray Images
481	Multi- signal Ranking for Unified Framework for Cross- Platform Product Recommendation
491	Evaluation of YOLOv8, R-CNN, and RF-DETR for Real-Time Personal Protective Equipment Compliance Monitoring in Industrial Environments
494	A Vehicle Driver Alertness System
508	Blockchain-Based Academic Certificate Verification Using OCR and Gemini API
522	Violence Detection System using SlowFast Deep Learning Architecture and YOLOv8
529	A Multimodal Smart Farming System for Early Crop Disease Detection and Continuous Field Monitoring
547	NDN-Based Efficient Data Forwarding and Hierarchical Naming for Self-Driving Systems Communication

**Track 1,4: Computing & Intelligent Systems /
Control Systems
Session 7
Venue: LHC 508**

Paper ID	Title
557	An Efficient Visual Product Retrieval System Based on Vision Transformers, DBSCAN, and Principal Component Analysis
576	Design of an Efficient SoC Power Estimation with Machine Learning
586	Integrated Multi-Hazard Monitoring and Vehicle-Conflict Warning System for Landslide-Prone Roads
634	DR-AHEA: A Secure Password Authentication Framework with Peppering and Honeyword-Based Breach Detection
641	Low-Dose CT Image Reconstruction Using U-Net Deep Learning with Gaussian Noise Simulation
651	Temporal Assertion-Based Verification and Coverage Analysis of a 4-Core MESI Cache Coherence Protocol
662	spinal cord injury detection and analysis using machine learning algorithm
680	Sensor Fusion on Embedded Platform for Holonomic Indoor Robot Navigation
162	System Identification of Continuous Stirred Tank Reactor using Block-Structured Models

Track 1: Computing & Intelligent Systems
Session 8
Venue: LHC 514

Paper ID	Title
686	AlertAid: A Hybrid Reliability-Context Framework for Adaptive Alert Management in Security Operations
673	Marine Plastic Waste Detection on Surface Water Using YOLOv8 Deep Learning Architecture
711	VisIR-FuseNet Architecture for Drone Detection and Tracking
735	Segmentation-Oriented Hybrid CNN-Transformer Framework for Thyroid Nodule Detection in Ultrasound Images
750	Dual Key Encrypted QR Code System
757	AI-Driven Traffic Classification, Intelligent Load Balancing, and Self-Healing Mechanisms in SDN
767	ForeSightX: An Adaptive Hybrid Time-Series Framework for Cross-Domain Urban Forecasting in a Smart City
772	A Closed-Loop Learning and Confidence-Aware Knowledge Graph for Alzheimer's Advisory System
796	DeepStego: A Novel Multi-Modal Statistical Framework for Detecting Malware Payloads Hidden in Deep Neural Networks

Track 1: Computing & Intelligent Systems
Session 9
Venue: LHC 515

Paper ID	Title
804	An Explainable Retrieval-Augmented Generation Framework for Intelligent Multi-Document Question Answering, Summarization, and Comparison
809	Hybrid CNN-Transformer Architecture for Retinal Multi-Disease Detection
821	Runtime Precision-Adaptive MAC Array Architecture for Energy-Efficient Edge AI Accelerators
857	Quantum-Enhanced Ordinal Deep Learning for Automated Kellgren-Lawrence Grading of Knee Osteoarthritis
864	A Hybrid Intrusion Detection System Integrating Network Traffic Analysis and Host-Based Behavioral Monitoring Using Machine Learning
880	Inventory Control under Simultaneous Demand and Supply Shocks: A PPO-LSTM Reinforcement Learning Approach
898	Robust Authentication of AI-Generated Text Using Statistical Methods
909	A Comparative Study of Graph Neural Network Architectures for Ethereum Phishing Detection: Homogeneous vs. Heterogeneous Graph Representations
913	Breast DCE-MRI Radiomic Based Indices for Classifying Neoadjuvant Chemotherapy Treatment Response Using a Multicenter Dataset

Track 3,4: Circuits/Control Systems
Session 2
Venue: LHC 516

Paper ID	Title
114	Design and Simulation of a 7-Level Multilevel Inverter with Buck-Boost Converter
338	Ultra-Low Power FinFET based Differential Amplifier for Energy-Constrained Applications
339	Design of an Ultra-Low Power FinFET based Schmitt trigger for IoT Sensor Node
375	Deep learning based Cyber-attack detection using Metapath Aggregated Graph Neural Network with Intelligent Threat Analysis for Critical Nodes
376	Edge-Based Lightweight Vision Models for Classification of Macronutrient Deficiencies in Multispectral Maize Leaves
398	Design and Implementation of a Optimized RLS-NR and RLS-GS for ECG Signal Enhancement using FPGA
448	A Resource-Aware Fixed-Point FPGA Architecture for Distilled Financial Direction Classification
495	Hazard Detection Sensitivity Metric for Hybrid Assertion and Coverage-Driven Verification of a 5-Stage RISC-V Pipeline
538	Low-Power SRAM for Energy-Constrained Applications Using Stacking Techniques
610	Multi-Abstraction Evaluation of Baseline and Optimized 4-Bit Comparator Designs from Custom CMOS to Post-Layout Signoff
918	A Novel Performance Evaluation Framework for Light Passenger Vehicles Using Power-to-Weight Ratio Optimization Metrics